

Landscaping & Turf

Sep. 2020 v1.0

Product Catalog



Products appearing in this catalogue may be covered by one or more of the following US Patent Nos. 7644735, 7410108 and other U.S. patents pending or corresponding issued or pending foreign patents. All rights are reserved. You are specifically prohibited and not allowed to reproduce, copy, duplicate, manufacture, supply, sell, hire, distribute or adapt all or any part of this publication including any packaging. Netafim™, are trademarks of Netafim™ Ltd., registered in the U.S. and other countries. We endeavor to provide accurate, quality and detailed information. However we cannot accept liability for your reliance on the provided information and you are advised to independently seek professional advice from Netafim™ and/or its authorized representatives. There is no undertaking by us that the provided information or any part thereof is accurate, complete or up to date. Mention of third-party products is for informational purposes only and constitutes neither an endorsement nor a recommendation. Netafim™ assumes no responsibility with regard to the performance or use of these products. In no event shall Netafim™ be liable for any indirect, incidental, special or consequential damages.

IRRIGATING PRODUCTS

→ DRIPLINES

Netafim's Advancements in Drip Technology	09
UnitechLine™ AS	10
UnitechLine™ AS XR	12
TechLine™ CV	14
TechLine™ CV XR	16
BioLine™ AS	18
TechNet™	20
TechNet™ AS	22
TechNet™ AS XR	24
LandLine™ 12 & 16	26
LandLine™ 8	28
TechFlow Junior	30
BioNet™	32
Bio TechNet™	34
NetBow™	36
DripLine™ identifiers	38

→ PIPES

PE Pipes	40
Blank Driplines	43
Irrigation PE Tubes & Micro-Tubes	45

→ CONNECTORS

BARB HWD CONNECTORS	48
Barb Reducing Connectors	52
8 mm Barb for 6.4 mm ID Driplines	53
5 mm Barb for 3 mm ID Driplines	53

→ ACCESSORIES

Pressure Regulators	55
Pressure Indicator	61
Dr. Zip Adapter	62

TOOLS

Spikes	64
Stakes	65
Hand Tools	66

→ MICRO-SPRINKLERS

SuperNet™ Jet	70
SuperNet™ SR & SRD	74
SuperNet™ SSR	79
VibroNet™ SD	81

SYSTEM CONTROL

→ VALVES

MANUAL VALVES

True Union Ball Valves	84
Dual Union Ball Valves	91

ELECTRIC CONTROL VALVES

AquaNet™ AC/DC Electric Valve	95
AquaPro™	97
80 Series Control Valves	99
ii.ri™ Bluetooth Solenoids	101

AIR VALVES

Combination Air Valves	103
Vacuum Breaker Kinetic Air Valves	105

→ WATER METERS

MECHANICAL METERS

Multi-Jet™	108
Woltman Type	110

ULTRASONIC METERS

Octave™	113
Sonata™	115

HYDROMETERS

Model KD	117
Model BM	119
Ultraf	121

→ FILTERS

DISC FILTERS

Manual Disc Filters ¾", 1", 1½"	124
Manual Disc Filters 2", 3"	126
Manual Disc Filters 2", 3" Leader	128
Manual Disc Filters 2" Dual Lite, Twin Lite	130
Manual Disc Filters 3", 4" Super Angle	132
Manual Disc Filters 4", 6" Super Leader	134
2" SpinKlin Compact Disc Filter	136
2" SpinKlin Disc Filter	138
3" SpinKlin Apollo Disc Filter	140

SCREEN FILTERS

ScreenGuard™ Manual Screen Filters	142
ScreenGuard™ Semi-Auto Screen Filters	144
ScreenGuard™ Automatic Screen Filters	145

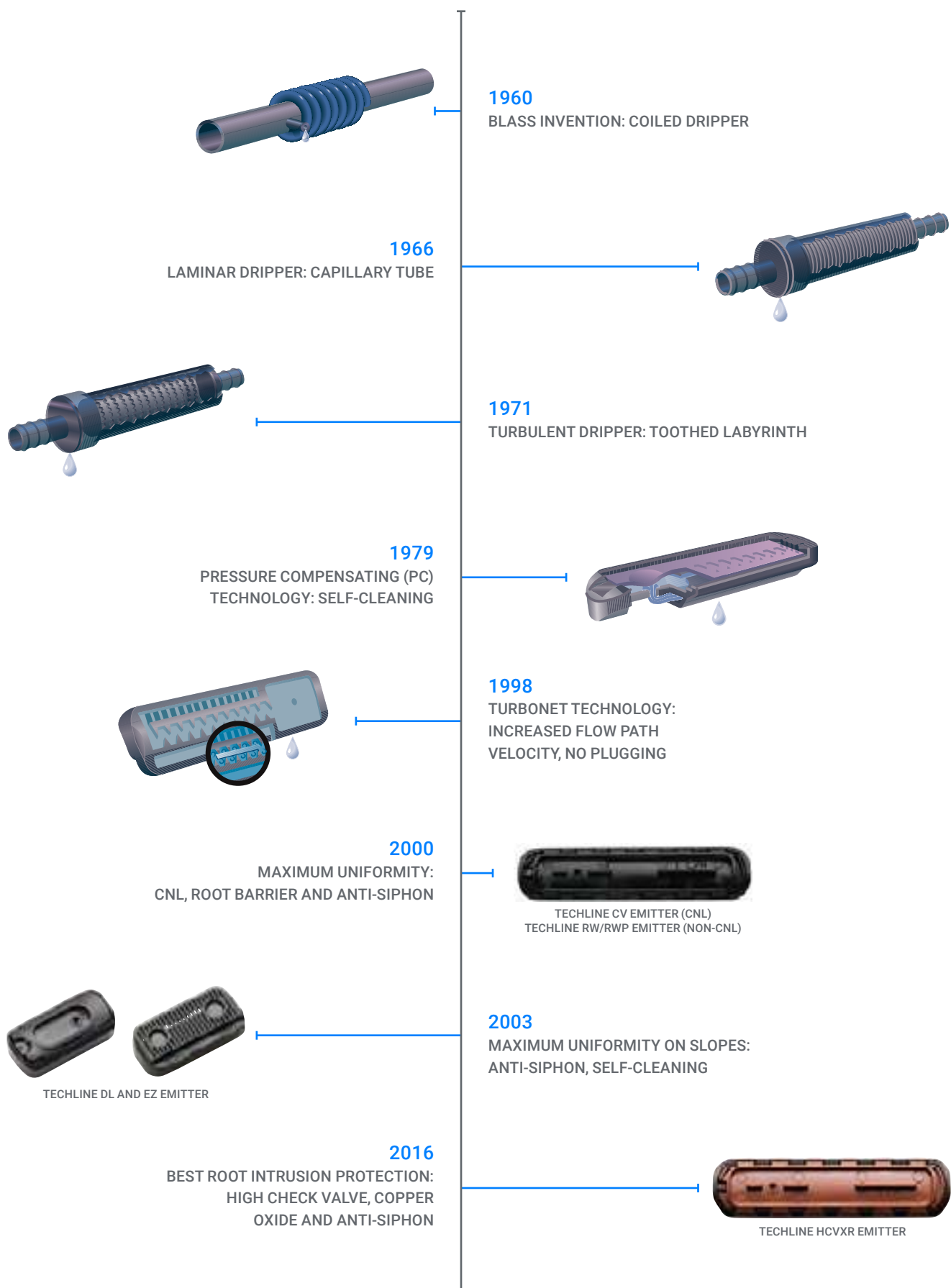
→ HEAD CONTROL

NetGarden™	149
------------------	-----



/ Driplines

Netafim's Advancements in Drip Technology



UniTechline™ AS

Integral pressure-compensated, continuously self-flushing, anti-siphon mechanism dripper, dripline colored brown for landscape application.



Pressure
Compensated



Anti-Siphon
Mechanism



Self-Flushing
Mechanism

/ Benefits & Features

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Anti-Siphon mechanism

Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications

Continuously self flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation.

Wide filtration area

Makes UniTechline™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

Physical root barrier

Better protection against root intrusion without reliance on chemicals

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Brown color coded

For easy identification for landscape applications

/ Specifications & Recommendations

- Broad choice of drippers flow rates: 1.0, 1.6, 2.3, 3.5 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing available upon request)
- Pressure-compensated range: 0.5-4.0 bar
- Anti-Siphon mechanism
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400 m

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT * X	RECOMMENDED FILTRATION (MICRON)/(MESH)
1.0	0.5 – 4.0	0.83 X 0.74 X 40	130	1.0	0	130/120
1.6	0.5 – 4.0	1.07 X 0.79 X 40	130	1.6	0	200/80
2.3	0.5 – 4.0	1.26 X 0.95 X 40	130	2.3	0	200/80
3.5	0.5 – 4.0	1.59 X 1.10 X 40	150	3.5	0	200/80

* Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16010	14.20	1.00	16.20	3.5	1.3
16012	14.20	1.20	16.60	4.0	1.3
17012	14.60	1.20	17.00	4.0	1.1

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 20 FEET CONTAINER (UNITS)	TOTAL IN A 20 FEET CONTAINER (M)
16010	50	0.20 TO 1.00	2.4	1440	72000	720	36000
	100		4.6	960	96000	480	48000
	200		9.2	480	96000	240	48000
	400		23.0	352	140800	176	70400
16012	50	0.20 TO 1.00	2.9	1440	72000	720	36000
	100		5.9	960	96000	480	48000
	200		11.7	480	96000	240	48000
	400		23.5	352	140800	176	70400
17012	50	0.20 TO 1.00	3.2	1440	72000	720	36000
	100		6.5	960	96000	480	48000
	200		12.5	480	96000	240	48000
	400		24.9	352	140800	176	70400

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

UniTechline™ AS XR

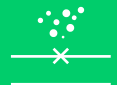
Integral pressure-compensated, continuously self-flushing, anti-siphon mechanism with improved resistance to root intrusion dripper, dripline colored brown for landscape applications.



Root Intrusion
Protection



Pressure-
Compensated



Anti-Siphon
Mechanism

/ Benefits & Features

Physical root barrier

Drippers are protected against root intrusion better than all other options, utilizing a patented root inhibitor within the dripper cover that prevents root intrusion into the dripper labyrinth. Better protection against root intrusion without reliance on chemicals. Long lasting protection due to non migrating active ingredients embedded in the dripper cover

Pressure-compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Anti-Siphon mechanism

Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications

Continuously self-flushing

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes UniTechline™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency. The water is drawn into the dripper from the stream center, preventing the entrance of sediments into the drippers.

Brown color coded

For easy identification for landscape applications

/ Specifications & Recommendations

- Broad choice of drippers flow rates: 1.0, 1.6, 2.3, 3.5 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing available upon request)
- Pressure-compensated range: 0.5-4.0 bar
- Anti-Siphon mechanism
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400 m

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT * X	RECOMMENDED FILTRATION (MICRON)/(MESH)
1.0	0.5 – 4.0	0.83 X 0.74 X 40	130	1.0	0	130/120
1.6	0.5 – 4.0	1.07 X 0.79 X 40	130	1.6	0	200/80
2.3	0.5 – 4.0	1.26 X 0.95 X 40	130	2.3	0	200/80
3.5	0.5 – 4.0	1.59 X 1.10 X 40	150	3.5	0	200/80

* Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16012	14.20	1.20	16.60	4.0	1.3

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 20 FEET CONTAINER (UNITS)	TOTAL IN A 20 FEET CONTAINER (M)
16012	50	0.20 TO 1.00	2.9	1440	72000	720	36000
	100		5.9	960	96000	480	48000
	200		11.7	480	96000	240	48000
	400		23.5	352	140800	176	70400

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

Techline™ CV

Integral pressure-compensated, continuously self-flushing, anti-siphon and anti-drain mechanism dripper, dripline colored brown for landscape applications.



Pressure-Compensated



Anti-Drain Mechanism



Self-Flushing Mechanism

/ Benefits & Features

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100%

Anti-Siphon mechanism

Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications

Anti-Drain (CV) mechanism

Eliminates drainage and refill effect, and improves efficiency in pulse irrigation

Continuously self flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes Techline™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

Physical root barrier

Better protection against root intrusion without reliance on chemicals

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Brown color coded

For easy identification for landscape applications

/ Specifications & Recommendations

- Broad choice of drippers flow rates: 1.0, 1.6, 2.3, 3.5 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing available upon request)
- Pressure-compensated range: 1.0-4.0 bar
- Anti-Siphon mechanism
- Anti-Drain mechanism, shut-off pressure 0.14 bar
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400 m

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH- ENTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT * X	RECOMMENDED FILTRATION (MICRON)/(MESH)
1.0	1.0 – 4.0	0.83 X 0.74 X 40	130	1.0	0	130/120
1.6	1.0 – 4.0	1.07 X 0.79 X 40	130	1.6	0	200/80
2.3	1.0 – 4.0	1.26 X 0.95 X 40	130	2.3	0	200/80
3.5	1.0 – 4.0	1.59 X 1.10 X 40	150	3.5	0	200/80

*Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16012	14.20	1.20	16.60	4.0	1.3

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16012	50	0.20 TO 1.00	2.9	1440	72000	720	36000
	100		5.9	960	96000	480	48000
	200		11.7	480	96000	240	48000
	400		23.5	352	140800	176	70400

* The average coil weight declared in the above table is based on average calculated weight.

Techline™ CV XR

Integral pressure-compensated, continuously self-flushing, anti-siphon and anti-drain mechanism with improved resistance to root intrusion dripper, dripline colored brown for landscape applications.



Root Intrusion
Protection



Pressure-
Compensated



Anti-Drain
Mechanism

/ Benefits & Features

Physical root barrier

Drippers are protected against root intrusion better than all other options, utilizing a patented root inhibitor within the dripper cover that prevents root intrusion into the dripper labyrinth. Better protection against root intrusion without reliance on chemicals. Long lasting protection due to non migrating active ingredients embedded in the dripper cover

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Anti-Siphon mechanism

Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications

Anti-Drain (CV) mechanism

Eliminates drainage and refill effect, and improves efficiency in pulse irrigation

Continuously self-flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes Techline™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Brown color coded

For easy identification for landscape applications

/ Specifications & Recommendations

- Broad choice of drippers flow rates: 1.0, 1.6, 2.3, 3.5 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing available upon request)
- Pressure-compensated range: 1.0-4.0 bar
- Anti-Siphon mechanism
- Anti-Drain mechanism, shut-off pressure 0.14 bar
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400 m

→ DRIPPERS TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16012	14.20	1.20	16.60	4.0	1.3

*Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16012	50	0.20 TO 1.00	2.9	1440	72000	720	36000
	100		5.9	960	96000	480	48000
	200		11.7	480	96000	240	48000
	400		23.5	352	140800	176	70400

→ DRIPPERS TECHNICAL DATA (ON BUNDLED COIL)

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH- ENTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT * X	RECOMMENDED FILTRATION (MICRON)/(MESH)
1.0	1.0 – 4.0	0.83 X 0.74 X 40	130	1.0	0	130/120
1.6	1.0 – 4.0	1.07 X 0.79 X 40	130	1.6	0	200/80
2.3	1.0 – 4.0	1.26 X 0.95 X 40	130	2.3	0	200/80
3.5	1.0 – 4.0	1.59 X 1.10 X 40	150	3.5	0	200/80

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

Bioline™ AS

Integral pressure-compensated, continuously self-flushing, anti-siphon mechanism dripper, dripline colored purple for landscape applications using non-potable water.



Pressure
Compensated



Anti-Siphon
Mechanism



Self-Flushing
Mechanism

/ Benefits & Features

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Anti-Siphon mechanism

Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications

Continuously self flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes Bioline™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

Physical root barrier

Better protection against root intrusion without reliance on chemicals

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Purple color coded

For easy identification for warning against the use of non-potable water. It means that the water is being reused and is not fit to drink (non-potable)

/ Specifications & Recommendations

- Purple-colored dripline warns against the use of non-potable water
- Broad choice of drippers flow rates: 1.0, 1.6, 2.3, 3.5 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing models available upon request)
- Pressure-compensated range: 0.5-4.0 bar
- Anti-Siphon mechanism
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400 m

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT * X	RECOMMENDED FILTRATION (MICRON)/(MESH)
1.0	0.5 – 4.0	0.83 X 0.74 X 40	130	1.0	0	130/120
1.6	0.5 – 4.0	1.07 X 0.79 X 40	130	1.6	0	200/80
2.3	0.5 – 4.0	1.26 X 0.95 X 40	130	2.3	0	200/80
3.5	0.5 – 4.0	1.59 X 1.10 X 40	150	3.5	0	200/80

*Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16010	14.20	1.00	16.20	3.5	1.3
16012	14.20	1.20	16.60	4.0	1.3
17012	14.60	1.20	17.00	4.0	1.1

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16010	50	0.20 TO 1.00	2.4	1440	72000	720	36000
	100		4.6	960	96000	480	48000
	200		9.2	480	96000	240	48000
	400		23.0	352	140800	176	70400
16012	50	0.20 TO 1.00	2.9	1440	72000	720	36000
	100		5.9	960	96000	480	48000
	200		11.7	480	96000	240	48000
	400		23.5	352	140800	176	70400
17012	50	0.20 TO 1.00	3.2	1440	72000	720	36000
	100		6.5	960	96000	480	48000
	200		12.5	480	96000	240	48000
	400		24.9	352	140800	176	70400

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

TechNet™

Integral pressure-compensated, continuously self-flushing mechanism dripper, dripline colored brown for landscape applications.



Pressure-Compensated



Drainage Mechanism



Self-Flushing Mechanism

/ Benefits & Features

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Drainage mechanism

The dripper integrates a drainage mechanism that drains water from the pipe at the end of the irrigation cycle, to allow easier recoiling of the dripline at the end of the crop cycle

Continuously self flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes TechNet™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

Physical root barrier

Better protection against root intrusion without reliance on chemicals

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Brown color coded

For easy identification for landscape applications

/ Specifications & Recommendations

- Broad choice of drippers flow rates: 1.0, 1.6, 2.0, 3.0 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing available upon request)
- Pressure-compensated range: 0.4-3.0 bar
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400/500 m

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-ENGTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT * X
1.0	0.4 - 3.0	0.61 X 0.60 X 8	39	1.0	0
1.6	0.4 - 3.0	0.76 X 0.73 X 8	39	1.6	0
2.0	0.4 - 3.0	0.84 X 0.80 X 8	39	2.0	0
3.0	0.4 - 3.0	1.02 X 0.88 X 8	39	3.0	0

*Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16 120	14.20	1.20	16.60	4.0	0.72
16 100	14.20	1.00	16.20	3.5	0.72

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16120	50	0.20 TO 1.00	2.7	1440	72000	720	36000
	100		5.5	960	96000	480	48000
	200		11.0	480	96000	240	48000
	400		22.0	352	140800	176	70400
16100	50	0.20 TO 1.00	3.2	1440	72000	720	36000
	100		6.5	960	96000	480	48000
	200		12.5	480	96000	240	48000
	500		24.9	352	176000	176	88000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

TechNet™ AS

Integral pressure-compensated, continuously self-flushing, anti-siphon mechanism dripper, dripline colored brown for landscape applications.



Pressure-Compensated



Anti-Siphon Mechanism



Self-Flushing Mechanism

/ Benefits & Features

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Anti-Siphon mechanism

Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications

Continuously self flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes TechNet™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Brown color coded

For easy identification for landscape applications

/ Specifications & Recommendations

- Broad choice of drippers flow rates: 1.0, 1.6, 2.0, 3.0 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing available upon request)
- Pressure-compensated range: 0.4-3.0 bar
- Anti-Siphon mechanism
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400/500 m

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT * X
1.0	0.4 - 3.0	0.61 X 0.60 X 8	42	1.0	0
1.6	0.4 - 3.0	0.76 X 0.73 X 8	42	1.6	0
2.0	0.4 - 3.0	0.84 X 0.80 X 8	42	2.0	0
3.0	0.4 - 3.0	1.02 X 0.88 X 8	42	3.0	0

*Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16120	14.20	1.20	16.60	4.0	0.72
16100	14.20	1.00	16.20	3.5	0.72

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 20 FEET CONTAINER (UNITS)	TOTAL IN A 20 FEET CONTAINER (M)
16120	50	0.20 TO 1.00	2.7	1440	72000	720	36000
	100		5.5	960	96000	480	48000
	200		11.0	480	96000	240	48000
	400		22.0	352	140800	176	70400
16100	50	0.20 TO 1.00	3.2	1440	72000	720	36000
	100		6.5	960	96000	480	48000
	200		12.5	480	96000	240	48000
	500		24.9	352	176000	176	88000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

TechNet™ AS XR

Integral pressure-compensated, continuously self-flushing, anti-siphon mechanism with improved resistance to root intrusion dripper, dripline colored brown for landscape applications.



Root intrusion
Protection



Pressure-
Compensated



Anti-Siphon
Mechanism

/ Benefits & Features

Physical root barrier

Drippers are protected against root intrusion better than all other options, utilizing a patented root inhibitor within the dripper cover that prevents root intrusion into the dripper labyrinth. Better protection against root intrusion without reliance on chemicals. Long lasting protection due to non migrating active ingredients embedded in the dripper cover

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Anti-Siphon mechanism

Prevents contaminants from being drawn into the dripper, making it ideal for sub surface applications

Continuously self flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes TechNet™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Brown color coded

For easy identification for landscape applications

/ Specifications & Recommendations

- Broad choice of drippers flow rates: 1.0, 1.6, 2.0, 3.0 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing available upon request)
- Pressure-compensated range: 0.4-3.0 bar
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400, 500 m

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-ENGTH (MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT * X
1.0	0.4 - 3.0	0.61 X 0.60 X 8	39	1.0	0
1.6	0.4 - 3.0	0.76 X 0.73 X 8	39	1.6	0
2.0	0.4 - 3.0	0.84 X 0.80 X 8	39	2.0	0
3.0	0.4 - 3.0	1.02 X 0.88 X 8	39	3.0	0

*Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16120	14.20	1.20	16.60	4.0	0.72
16100	14.20	1.00	16.20	3.5	0.72

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16120	50	0.20 TO 1.00	2.7	1440	72000	720	36000
	100		5.5	960	96000	480	48000
	200		11.0	480	96000	240	48000
	400		22.0	352	140800	176	70400
16100	50	0.20 TO 1.00	3.2	1440	72000	720	36000
	100		6.5	960	96000	480	48000
	200		12.5	480	96000	240	48000
	500		24.9	352	176000	176	88000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

Landline™ 12 and 16

Integral non pressure-compensated, high clogging resistance dripper, dripline colored brown for landscape applications.



High Clogging Resistance



Self-Cleaning Labyrinth



Wide Filtration Area

/ Benefits & Features

High clogging resistance

Even with poor quality water, with self cleaning labyrinth that flushes debris, throughout operation

Wide filtration area

Ensures optimal performance even under harsh water conditions, preventing the entrance of sediments into the drippers

TurboNet™

Labyrinth ensures wide water passages, large deep and wide cross section that improves clogging resistance

Brown color coded

For easy identification for landscape applications

/ Specifications & Recommendations

- Dripper flow rates: 1.0, 2.0, 3.0, 4.0 l/h (nominal flow rate at 1.0 bar pressure)
- Maximum operation pressure: 3.5 bar
- Recommended filtration: 130 micron / 120 mesh
- Landline™ 12, ID = 10.2 mm
- Landline™ 16, ID = 14.2 mm
- Tubing flexibility adapts to any shape of planting area
- UV-resistant dripline
- Long lasting reliability and durability

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	MAXIMUM WORKING PRESSURE** (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT X
1.00	3.5	0.60 X 0.74 X 65	45	0.347	0.46
2.00	3.5	0.76 X 1.03 X 65	51	0.693	0.46
3.00	3.5	0.90 X 1.20 X 65	51	1.040	0.46
4.00	3.5	0.94 X 1.28 X 33	51	1.387	0.46

*Flow rate at 1.0 bar pressure

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
LANDLINE™ 12	10.30	1.00	12.30	3.5	0.7
LANDLINE™ 16	14.20	1.00	16.20	3.5	0.4

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 20 FEET CONTAINER (UNITS)	TOTAL IN A 20 FEET CONTAINER (M)
LANDLINE™ 12	25	0.20 TO 1.00	1.0	3800	95000	1900	47500
	50		2.1	2800	140000	1400	70000
	100		4.1	2000	200000	1000	100000
LANDLINE™ 16	25	0.20 TO 1.00	1.2	1920	48000	960	24000
	50		2.3	1440	72000	720	36000
	100		4.6	900	90000	450	45000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

Landline™ 8

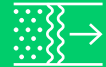
Small diameter, integral non pressure-compensated, high clogging resistance dripper, dripline colored brown for landscape applications.



High Clogging Resistance



Self-Cleaning Labyrinth



Wide Filtration Area

/ Benefits & Features

High clogging resistance

Even with poor quality water, with self cleaning labyrinth that flushes debris, throughout operation

Wide filtration area

Ensures optimal performance even under harsh water conditions, preventing the entrance of sediments into the drippers

TurboNet™

Labyrinth ensures wide water passages, large deep and wide cross section that improves clogging resistance

Brown color coded

For easy identification for landscape applications.

/ Specifications & Recommendations

- Dripper flow rates: 2.0 l/h (nominal flow rate at 1.0 bar pressure)
- Maximum operation pressure: 4.0 bar
- Recommended filtration: 130 micron / 120 mesh
- Use Landline™ 8 mm fittings
- Tubing flexibility adapts to any shape of planting area
- UV-resistant dripline
- Long lasting reliability and durability

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	MAX. WORKING PRESSURE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT X
2.0	4.0	0.63 X 0.73 X 22	22	0.647	0.49

*Nominal flow rate at 1.0 bar pressure

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
LANDLINE™ 8	6.30	0.80	7.90	4.0	2.0

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

WALL THICKNESS (MM)	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)
0.80	30	0.15 TO 0.50	0.6
	50	0.15 TO 0.50	1.0
	100	0.15 TO 0.50	2.0

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

TechFlow™ Junior

Compact on line pressure-compensated, continuously self-flushing dripper for landscape applications.



Pressure-Compensated



Compact Size



Anti-Siphon Mechanism

Benefits & Features

Pressure compensated

Compact size on line Pressure-compensated dripper delivering precise and equal amounts of water over a broad pressure range, and ensuring 100% uniformity of water and nutrient distribution along the laterals

Anti-Siphon mechanism

Anti-Siphon mechanism prevents contaminants from being drawn into the dripper

Continuously self flushing mechanism

Flushes debris throughout operation, while ensuring constant dripper operation even in challenging water qualities

Optimal CNL mode

All drippers turn on and off at the same time, maximizing balance of application. System holds back up to 1.2 m of water (elevation change). No low emitter drainage, great on slopes. Delivers more precise watering

In-line model

Special model, fit 4 mm micro-tube as distribution tube. Dripper with dual barb, inlet and outlet for in line installation

PCJ SP (self-piercing) dripper

Requiring no pre punching when installed on pipes class 2.5 and 4.0. The number of drippers can be raised to increase water quantity supply and meet the tree's growth rate requirements

Specifications & Recommendations

- Flow rates: 2.0, 4.0, 8.0 l/h
- Pressure compensating range: 0.7 to 4.0 bar
- Anti-Siphon mechanism
- Optional, in line model
- Optional, CNL feature: Anti-Drain mechanism, shut-off pressure: 0.12 bar
- Optional, SP feature (self-piercing)
- Recommended filtration: 130 micron / 120 mesh

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-LENGTH (MM)	FILTRATION AREA (MM²)	CONSTANT K	EXPONENT * X
2.0	0.7 - 4.0	0.98 X 0.79 X 35	2.0	2.0	0
4.0	0.7 - 4.0	1.32 X 0.92 X 35	2.0	4.0	0
8.0	0.7 - 4.0	1.60 X 1.08 X 35	2.0	8.0	0

*Within working pressure range

BioNet™

Integral pressure-compensated, continuously self-flushing, mechanism dripper, dripline colored purple for landscape applications using non-potable water.



Pressure-Compensated



Drainage Mechanism



Self-Flushing Mechanism

/ Benefits & Features

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Drainage mechanism

The dripper integrates a drainage mechanism that drains water from the pipe at the end of the irrigation cycle, to allow easier recoiling of the dripline at the end of the crop cycle

Continuously self flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes BioNet™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

Physical root barrier

Better protection against root intrusion without reliance on chemicals

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Purple color coded

For easy identification for warning against the use of non-potable water. It means that the water is being reused and is not fit to drink (non-potable)

/ Specifications & Recommendations

- Purple-colored dripline warns against the use of non-potable water.
- Broad choice of drippers flow rates: 1.0, 1.6, 2.0, 3.0 l/h.
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing models available upon request).
- Pressure-compensated range: 0.4-3.0 bar.
- Recommended filtration: 130 micron / 120 mesh.
- Coil length: 50, 100, 200, 400 m.

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-ENGTH (MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT * X
1.0	0.4 - 3.0	0.61 X 0.60 X 8	39	1.0	0
1.6	0.4 - 3.0	0.76 X 0.73 X 8	39	1.6	0
2.0	0.4 - 3.0	0.84 X 0.80 X 8	39	2.0	0
3.0	0.4 - 3.0	1.02 X 0.88 X 8	39	3.0	0

*Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16120	14.20	1.20	16.60	4.0	0.72
16100	14.20	1.00	16.20	3.5	0.72

→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16120	50	0.20 TO 1.00	2.7	1440	72000	720	36000
	100		5.5	960	96000	480	48000
	200		11.0	480	96000	240	48000
	400		22.0	352	140800	176	70400
16100	50	0.20 TO 1.00	3.2	1440	72000	720	36000
	100		6.5	960	96000	480	48000
	200		12.5	480	96000	240	48000
	500		24.9	352	176000	176	88000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

Bio TechNet™

Integral pressure-compensated, continuously self-flushing, mechanism dripper, for landscape applications using non-potable water.



Pressure-Compensated



Drainage Mechanism



Self-Flushing Mechanism

/ Benefits & Features

Pressure compensated

Precise and equal amounts of water delivered over a broad pressure range, ensuring 100% uniformity of water and nutrient distribution along the laterals

Drainage mechanism

The dripper integrates a drainage mechanism that drains water from the pipe at the end of the irrigation cycle, to allow easier recoiling of the dripline at the end of the crop cycle

Continuously self flushing mechanism

Flushes debris, throughout operation, while ensuring constant dripper operation

Wide filtration area

Makes TechNet™ highly resistant to clogging with poor quality water, thus increasing filtration efficiency

Physical root barrier

Better protection against root intrusion without reliance on chemicals

TurboNet™

Labyrinth ensures wide water passages, to increase flushing efficiency

Brown color coded

For easy identification for landscape applications with two purple stripes for warning against the use of non-potable water

/ Specifications & Recommendations

- Two purple stripes for easy identification for warning against the use of non-potable water
It means that the water is being reused and is not fit to drink (non-potable)
- Broad choice of drippers flow rates: 1.0, 1.6, 2.0, 3.0 l/h
- Dripper spacing's: 0.3, 0.4, 0.5, 1.0 m (other dripper spacing models available upon request)
- Pressure-compensated range: 0.4-3.0 bar
- Recommended filtration: 130 micron / 120 mesh
- Coil length: 50, 100, 200, 400 m

→ DRIPPERS TECHNICAL DATA

FLOW RATE* (L/H)	WORKING PRESSURE RANGE (BAR)	WATER PASSAGES DIMENSIONS WIDTH-DEPTH-ENGTH (MM)	FILTRATION AREA (MM ²)	CONSTANT K	EXPONENT * X
1.0	0.4 - 3.0	0.61 X 0.60 X 8	39	1.0	0
1.6	0.4 - 3.0	0.76 X 0.73 X 8	39	1.6	0
2.0	0.4 - 3.0	0.84 X 0.80 X 8	39	2.0	0
3.0	0.4 - 3.0	1.02 X 0.88 X 8	39	3.0	0

*Within working pressure range

→ DRIPLINES TECHNICAL DATA

MODEL	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	MAX. WORKING PRESSURE (BAR)	KD
16120	14.20	1.20	16.60	4.0	0.72
16100	14.20	1.00	16.20	3.5	0.72

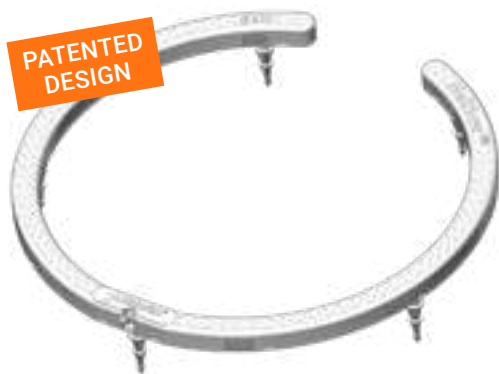
→ DRIPLINES PACKAGE DATA (ON BUNDLED COIL)

MODEL	COIL LENGTH (M)	DISTANCE BETWEEN DRIPPERS (M)	AVERAGE* COIL WEIGHT (KG)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)	COILS IN A 40 FEET CONTAINER (UNITS)	TOTAL IN A 40 FEET CONTAINER (M)
16120	50	0.20 TO 1.00	2.7	1440	72000	720	36000
	100		5.5	960	96000	480	48000
	200		11.0	480	96000	240	48000
	400		22.0	352	140800	176	70400
16100	50	0.20 TO 1.00	3.2	1440	72000	720	36000
	100		6.5	960	96000	480	48000
	200		12.5	480	96000	240	48000
	500		24.9	352	176000	176	88000

* Calculated weight average. For further details see "Average Coil Weight Disclaimer".

NetBow™

An innovative user friendly container irrigation multi outlet dripper arc with high clogging resistance and superb water distribution.



Superb
Uniformity



High Clogging
Resistance



User
Friendly

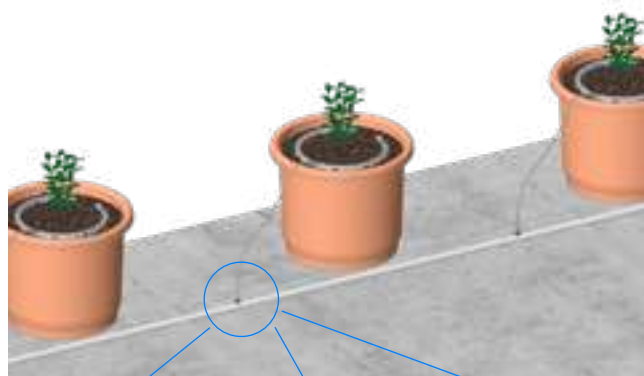
Benefits & Features

- ✓ High clogging resistance by associating Netafim proven Typhoon™ drippers
- ✓ Superb uniformity with 8 dripping outlets
- ✓ Easy to place in the container & to connect the micro tube
- ✓ Surface wetting that distributes the water uniformly in the container substrate
- ✓ The NetBow™ is patented by U.S. Design App. No. 29/709,373 and other countries
- ✓ Options of connecting to diverse of hub drippers like: PCJ , PC, or Uniram™ with Dr. Zip™

Specs. & Recommendations

- Compatible with 20-40 liters (5-10 gallon) containers
- Diameter: 250mm (10 inches)
- Flow Rate: 8 dripping outlets with flow of 2.0 l/h 0.53 GPH each at 1.0 bar (14.5 PSI)
- The flow from each dripping outlet will be determined by the hub dripper, based on the pressure developed in the NetBow inlet
 - We recommend that the flow of the hub dripper to be 2-8 l/h. If your flow is out of this determined range please follow Netafim guidelines for online drippers design
- Superb Chemical and UV resistance for extended durability
- Colored light gray for improved light reflection
- Max. operating pressure 4.0 bars (58.0 PSI)

→ CONNECTION TYPES



CONNECTION TO
PCJ ONLINE DRIPPER



CONNECTION TO
PC ONLINE DRIPPER



CONNECTION
TO UNIRAM™

→ PACKAGING DATA

PRODUCT ILLUSTRATION	PRODUCT NAME	DESCRIPTION	QTY. PER BOX (UNITS)	BOX SIZES L X W X H (CM)	BOX WEIGHT (KG)	BOXES PER PALLET	CATALOG NUMBER
	NETBOW™	NETBOW 25CM/10" 8 OUTLETS BARB GR.60/CAR	60	32 X 26.5 X 56	5.22	24	77470-000106
		NETBOW 25CM/10" 8 OUTLETS BARB GRAY	10	32 X 26.5 X 10	1	108	77470-000107

→ SPARE PARTS

PRODUCT ILLUSTRATION	SPARE PART NAME	DESCRIPTION	CATALOG NUMBER
	NETBOW™ - BASE	NETBOW™ 25CM/10" BASE	77470-000101
	NETBOW™ - COVER	NETBOW™ 25CM/10" COVER	77470-000102
	NETBOW™ - SPIKES	NETBOW™ SPIKE	77470-000103
	NETBOW™ - PLUG 8	END PLUG 8MM	77470-000104
	NETBOW™ - T 8X5X8	TEE 8X5X8 MM	77470-000105
	MICRODRIP™ PIPE	MICRODRIP 8 2.00L/H 0.08M 0.32M	18500-000008

→ COMPLEMENTARY PRODUCTS

The NetBow™ can be connected by micro-tube to Netafim online drippers that have a barb outlet, or to Dr. Zip integral dripperlines , with one of the following Netafim™ adapters (to be ordered separately):

PRODUCT ILLUSTRATION	PRODUCT NAME	PRODUCT DESCRIPTION	FUNCTIONALITY	UNITS/LENGTH	CATALOG NUMBER
	ELBOW ADAPTER BARB 3 X 5	INLET: FEMALE PRESS-FIT COLORED BLACK	FOR CORRECT CUSTOMIZED INSTALLATION	1 UNIT	32000-002520
				50 UNITS/BAG	32000-002525
				100 UNITS/BAG	
	ELBOW ADAPTER BARB 3 X 5	INLET: FEMALE PRESS-FIT COLORED GRAY	FOR CORRECT CUSTOMIZED INSTALLATION	1 UNIT	32000-002526
				50 UNITS/BAG	
				100 UNITS/BAG	
	MICRO-TUBE ADAPTER 3 X 5	OUTLET: BARB 3 X 5 INLET: PRESS-FIT	TO CONNECT A DRIPPER NIPPLE OUTLET TO A MICRO-TUBE 3 X 5	1 UNIT	32000-001950
				50 UNITS/BAG	
				100 UNITS/BAG	
	MICRO-TUBE ADAPTER 3 X 5	OUTLET: BARB 3 X 5 INLET: PRESS-FIT COLORED BROWN	TO CONNECT A DRIPPER NIPPLE OUTLET TO A MICRO-TUBE 3 X 5	1 UNIT	32000-002000
				50 UNITS/BAG	32000-002010
				100 UNITS/BAG	32000-002020
	SOFT PE MICRO-TUBE 3X5	SOFT PE MICRO TUBE BI-LAYER GRAY OUTSIDE BLACK INSIDE	TO CONNECT THE NETBOW TO THE HUB DRIPPER	100M LENGTH	40005-000202
				200M LENGTH	40005-000201
				500M LENGTH	40005-000200

→ RELATED ASSEMBLIES

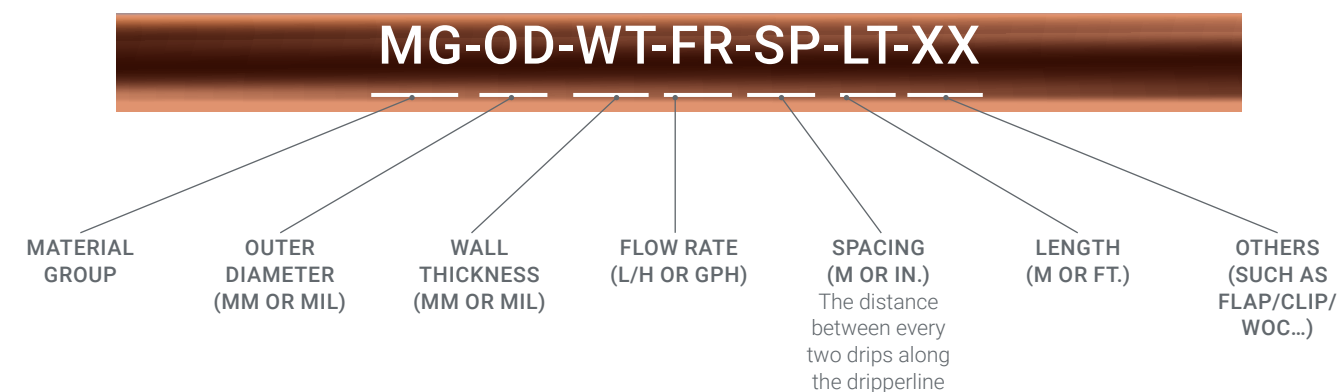
PRODUCT NAME	PRODUCT DESCRIPTION	FUNCTIONALITY	UNITS*	CATALOG NUMBER
SR W/OD MEL-FPF SSG-0.60M	PRESS FIT ELBOW ADAPTER GRAY + 60CM SSG MICROTUBE	TO CONNECT PRESS FIT HUB DRIPPER TO NetBow™ BARB	1 UNIT	40200-043275
SR W/O ADADAPTOR 5MM SSG-0.60M	STRAIGHT ADAPTER BLACK + 60CM SSG MICROTUBE	TO CONNECT PRESS FIT HUB DRIPPER TO NetBow™ BARB	1 UNIT	40200-043276
SR PCJH-4LH-BRB W/ OM SSG-0.60M	PCJ HCNL 4 L/H + 60CM SSG MICROTUBE	PCJ + MICRO TUBE TO CONNECT PE PIPE TO NetBow™ BARB	1 UNIT	40200-046499

* The catalog number is in units but orders will be in boxes of 500 units

DripLine™ Identifiers

Each dripperline has several main characteristics that define it. The product description must contain those characteristics in order to deliver the most basic and essential information about the product .

Netafim™ uses the following method to name products:



→ EXAMPLE (METRIC UNIT)

DRIPNET PC 12125 1.0L/H 0.15M 1000M

→ COIL STICKER



For your convenience, you can find the main characteristics that define the product also on the product packaging.

→ COIL STICKER EXAMPLE

Product description in capital letters

Product size in mm

Flowrate @ 1.0 bar in NPC, and at PC pressure in PC.

DRIPNET PC 16200 REGULATED WWW.NETAFIM.COM	ORDER 10079978/122		
	I.D	W.T	
	15.5MM	0.50MM	
	Flow Rate	Spacing	Length
	1.00L/H	0.20M	800M
	MAX. PRESSURE	PRODUCTION YEAR	
	2.2BAR	2018	
PLANT ADDRESS / MADE IN	13925-003900		
Magal D.N Hefer 3884500, Israel			

/ Pipes

PE PIPES

Polyethylene pipes, tubes and micro-tubes for use in agricultural irrigation systems, water delivery systems, sprinkler and micro-sprinkler stands, assembly dripper sets, and automation application.



Superb
Quality



High Durability



ISO 8779
Certified

Benefits & Features

- ✓ All pipes are manufactured with UV and oxidation protection, making them durable to solar radiation without significant damage for many years
- ✓ Microorganisms or fungi do not attack PE pipes, either internally or externally
- ✓ PE pipes are resistant to saline water, acid or alkaline solutions (excluding highly concentrated solutions) and to most substances employed in agricultural applications
- ✓ Available in standard coil lengths, large diameter reels or pipe rods, to meet specific requirements
- ✓ Made with quality low or medium density polyethylene resin, especially formulated to resist cracking and kinking, and to ensure long-term reliability
- ✓ Precision manufacturing to ensure the uniformity of internal diameter and wall thickness

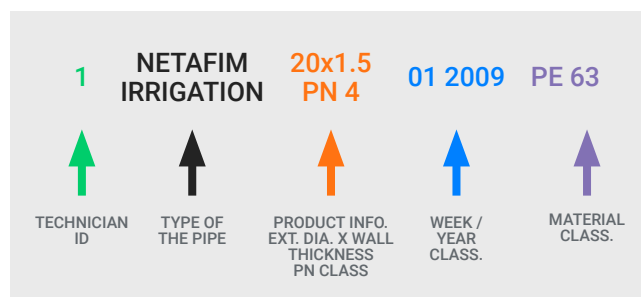
Specifications & Recommendations

- Standard irrigation pipes, produced according to Israeli Standard SI 8779 that fits the International Standard ISO 8779
- Tubes and Micro-tubes 3x5, 4x6.5, 6x8 and 9x12 mm, produced according to Netafim™ quality standards for drippers, sprinkler and micro-sprinkler stands
- Micro-tubes 8 mm, produced according to Netafim™ quality standards for hydraulic command and automation systems

→ MARKING

Each pipe can be identified by its external diameter and by its class (2.5, 4, 5 or 6 bar). On each 1 meter of the pipe there is a mark that represents the following:

→ STANDARD IRRIGATION PIPES





STANDARD IRRIGATION PE PIPES TILE COILS

MODEL	PIPE OD (MM)	PN (CLASS)	MAX. WORKING PRESSURE (BAR)	MIN. WALL THICKNESS* (MM)	I.D (MM)	MATERIAL CLASS.	TIE COILS PIPE LENGTH				
							25 METER	50 METER	100 METER	200 METER	400 METER
16/4	16	4	4	1	14.0	PE40	40500-004110	40500-004210	40500-004310	40500-004410	40500-004510
20/4	20	4	4	1.2	17.6	PE40	40500-004810	40500-004910	40500-005010	40500-005110	40500-005130
25/4	25	4	4	1.5	22.0	PE40	40500-005510	40500-005610	40500-005710	40500-005910	
32/4	32	4	4	1.3	29.4	PE63	40500-006205	40500-006310	40500-006410		
32/4 SOFT	32	4	4	2.4	27.2	PE32			40500-006430		
32/6	32	6	6	2.0	28.0	PE63		40500-010610	40500-010710		
40/4	40	4	4	1.6	36.8	PE63		40500-006700	40500-006900	40500-007000	N/A
40/4 SOFT	40	4	4	3.0	34.0	PE32			40500-007400		N/A
40/5	40	5	5	1.9	36.2	PE63			40500-007450		N/A
40/6	40	6	6	1.6	36.8	PE100		40550-004639	40550-004640		N/A
50/4	50	4	4	2.0	46.0	PE63		40500-007600	40500-007800		N/A
50/4 SOFT	50	4	4	3.7	42.6	PE32		40500-008200	40500-008300		N/A
50/5	50	5	5	2.4	45.2	PE63			40500-008380		N/A
50/6	50	6	6	2.0	46.0	PE100		40550-004649	40550-004650		N/A
63/4	63	4	4	2.5	58.0	PE63		40500-008500	40500-008700		N/A
63/5	63	5	5	3.0	57.0	PE63		40500-008770	40500-008780		N/A
63/6	63	6	6	3.0	57.0	PE80		40550-010189	40550-010190		N/A
75/4	75	4	4	2.9	69.2	PE63			40500-009100		N/A
75/5	75	5	5	3.6	67.8	PE63		40500-009230	40500-009270	40500-009280	N/A
75/6	75	6	6	2.0	71.0	PE80		40550-010194	40550-010195		N/A
90/6	90	6	6	3.5	83.0	PE100		40550-006500	40550-006550	40500-012550**	N/A

Missing catalog numbers available upon request

* At water temperatures up to 35° C

** PE63



STANDARD IRRIGATION PE PIPES STRETCHED WRAPPED COILS

MODEL	PIPE OD (MM)	PN (CLASS)	MAX. WORKING PRESSURE (BAR)	MIN. WALL THICKNESS* (MM)	I.D (MM)	MATERIAL CLASS.	TIE COILS PIPE LENGTH				
							25 METER	50 METER	100 METER	200 METER	400 METER
16/4	16	4	4	1.0	14.0	PE40		40500-004200	40500-004300	40500-004400	
20/4	20	4	4	1.2	17.6	PE40		40500-004900	40500-005000	40500-005100	
25/4	25	4	4	1.5	22.0	PE40	40500-005000	40500-005600	40500-005700		N/A
32/4	32	4	4	1.3	29.4	PE63	40500-005500			N/A	N/A
32/4 SOFT	32	4	4	2.4	27.2	PE32					

Missing catalog numbers available upon request

* At water temperatures up to 35° C



STANDARD IRRIGATION PE PIPES ROD PIPES

MODEL	PIPE OD (MM)	PN (CLASS)	MAX. WORKING PRESSURE (BAR)	MIN. WALL THICKNESS* (MM)	I.D (MM)	MATERIAL CLASSIFICATION	ROD PIPES LENGTH	
							5.85 METER	11.85 METER
20/4	20	4	4	1.2	17.6	PE40	40500-004710	
25/4	25	4	4	1.5	22.0	PE40	40500-005410	
32/4	32	4	4	1.3	29.4	PE63	40500-006210	40500-006220
40/4	40	4	4	1.6	36.8	PE63	40500-006710	40500-006720
50/4	50	4	4	2.0	46.0	PE63	40500-007510	40500-007520
63/4	63	4	4	2.5	58.0	PE63	40500-008420	40500-008420
63/6	63	6	6	3.0	57.0	PE80	40550-006470	

Missing catalog numbers available upon request, * At water temperatures up to 35° C



STANDARD IRRIGATION PE PIPES COILED ON METAL DRUMS

MODEL	PIPE OD (MM)	PN (CLASS)	MAX. WORKING PRESSURE (BAR)	MIN. WALL THICKNESS* (MM)	I.D (MM)	MATERIAL CLASSIFICATION	BIG COILS PIPES LENGTH	
							METERS	
16/4	16	4	4	1.0	14.0	PE40	7000	40500-004600
20/4	20	4	4	1.2	17.6	PE40	4500	40500-005300
25/4	25	4	4	1.5	22.0	PE40	2700	40500-006000
32/4	32	4	4	1.4	29.1	PE63	1800	40500-006500
40/4	40	4	4	1.7	36.5	PE63	1100	40500-007050
40/4 SOFT	40S	4	4	3.0	34.0	PE32		
50/4 SOFT	50	4	4	3.7	42.6	PE32	700	40500-008350
50/5	50	5	5	2.4	45.2	PE63	700	40500-008390
50/6	50	6	6	2.0	46.0	PE100	700	40550-006450

Missing catalog numbers available upon request, * At water temperatures up to 35° C



STANDARD IRRIGATION PE PIPES COLORED GRAY

MODEL	PIPE OD (MM)	PN (CLASS)	MAX. WORKING PRESSURE (BAR)	MIN. WALL THICKNESS* (MM)	I.D (MM)	MATERIAL CLASS.	TIE COILS LENGTH			
							50 METER	100 METER	200 METER	400 METER
16/4	16	4	4	1.0	14.0	PE40		40500-004320	40500-004420	
20/4	20	4	4	1.2	17.6	PE40		40500-005050	40500-005150	
25/4	25	4	4	1.5	22.0	PE40		40500-005720	40500-005920	
32/4	32	4	4	1.3	29.4	PE63	40500-006320	40500-006420		
40/4	40	4	4	1.6	36.8	PE63	40500-006740	40500-006920		N/A
50/4	50	4	4	2.0	46.0	PE63		40500-007820		N/A

Missing catalog numbers available upon request, * At water temperatures up to 35° C



STANDARD IRRIGATION PE PIPES COLORED PURPLE

MODEL	PIPE OD (MM)	PN (CLASS)	MAX. WORKING PRESSURE (BAR)	MIN. WALL THICKNESS* (MM)	I.D (MM)	MATERIAL CLASS.	TIE COILS PIPE LENGTH
							100 METER
16/4	16	4	4	1.0	14.0	PE40	40560 000800
20/4	20	4	4	1.2	17.6	PE40	
25/4	25	4	4	1.5	22.0	PE40	40560 001050
32/4	32	4	4	1.3	29.4	PE63	40560 001150
32/6	32	6	6	2.0	28.0	PE63	40560-001660
40/4	40	4	4	1.6	36.8	PE63	40560 001250
50/4	50	4	4	2.0	46.0	PE63	40560 001350
50/6	50	6	6	2.0	46.0	PE100	40560-001700
63/4	63	4	4	2.5	58.0	PE63	40560 001450
63/6	63	6	6	3.0	57.0	PE80	40560-001800
75/6	75	6	6	2.0	71.0	PE80	40560-001900
90/6	90	6	6	3.5	83.0	PE100	40560-002000

Missing catalog numbers available upon request, * At water temperatures up to 35° C

→ TECHNICAL AND LOGISTICAL INFORMATION

BLANK DRIPLINES ON BUNDLED COILS	INSIDE DIAMETER (MM)	WALL THICKNESS (MM)	OUTSIDE DIAMETER (MM)	METER / COIL	TOTAL COILS IN A 40 FEET CONTAINER	COILS WEIGHT (KG) AVERAGE	MAXIMUM WORKING PRESSURE
12010	10.6	1	12.6	400	352	12.7	4.0
				600	370	19.0	
16010	14.2	1	16.2	25	1920	1.5	3.50
				50	1440	2.8	
				100	960	4.5	
				200	480	9.0	
				300	352	13.5	
				500	352	22.3	
16012	14.2	1.2	16.6	25	1920	1.4	4.0
				50	1440	2.8	
				100	960	5.5	
				200	480	11.0	
				300	352	16.5	
				400	352	21.8	
17012	14.6	1.2	17	25	1920	1.5	4.0
				50	1440	2.9	
				100	960	5.7	
				200	480	11.2	
				300	352	17.3	
				400	352	22.5	
20010	17.5	1	19.5	100	960	5.5	3.50
				200	480	11.0	
				300	330	16.5	
20012	17.5	1.2	19.9	100	960	6.7	4.0
				200	480	13.3	
				300	330	19.9	



BLANK PE DRIPLINES - BLACK

	100 (M)	200 (M)	300 (M)	400 (M)
12010				
16012	19950-001000		19950-001100	19950-001200
16010	19950-001400	19950-001410		
17012	19950-004600	19950-004700		19950-004900
20012		19950-008300	19950-008400	N/A
20010			19950-008700	N/A



BLANK PE DRIPLINES - BRIGHT WHITE SKIN*

	25 (M)	50 (M)	300 (M)	305 (M)	405 (M)
16012	19950-000600	19950-000605			19950-000610
20012	19950-000700	19950-000705	19950-000706		



BLANK PE DRIPLINES - BROWN SKIN*

	25 (M)	50 (M)	100 (M)	200 (M)	500 (M)
16012	19950-002700	19950-002720	19950-002740		
16010			19950-003400	19950-003500	19950-003600
17012			19950-006800		

* All colored blank PE driplines produced in bi-layer structure
Missing catalog numbers available upon request



BLANK PE DRIPLINES - DARK BROWN SKIN*

	25 (M)	50 (M)	100 (M)
12010	19950-000910	19950-000920	19950-000930
16012	19950-003100	19950-003120	



BLANK PE DRIPLINES - PURPLE SKIN*

	200 (M)	300 (M)	400 (M)
16010	19950-003970		
17012			
20012			



BLANK PE DRIPLINES - LIGHT GRAY SKIN*

	300 (M)	400 (M)	500 (M)
16012			
16010			19950-003700
17012			
20012		N/A	N/A

IRRIGATION PE TUBES & MICRO-TUBES



NETAFIM'S MICRO-TUBES 5X3 MODEL HAVE BEEN IMPROVED. ALL LIGHT GRAY COLORED MICRO-TUBES WILL BE PRODUCED IN BI-LAYER STRUCTURE –

- Light Gray colored – Outer layer (Skin layer)
- Black colored – Inner layer (Main layer)

Using the bi-layer technology in the production of Netafim micro-tubes solves the problem of product opaqueness, prevent algae's development and avoids drippers clogging. The use of Carbon Black in the inner layer gives much better UV resistance than the single-layer product.



IRRIGATION PE TUBES & MICRO-TUBES TIE COILS

MODEL	PIPE OD (MM)	PIPE ID (MM)	MAX. WORKING PRESSURE (BAR)	MATERIAL CLASS.	COLOR	TIE COILS LENGTH			
						100 METER	200 METER	500 METER	1,000 METER
3 X 5	5.0	3.3	4	SPE	BLACK	40000-002000	40000-002100	40000-002200	40000-002250
3 X 5	5.0	3.3	4	SPE	GRAY**	40005-000202	40005-000201	40005-000200	40005-000203
3 X 5	5.0	3.3	4	SSPE	BLACK	40000-002050		40000-002220	
3 X 5	5.0	3.3	4	SSPE	GRAY**	40005-000102	40005-000103	40005-000101	40005-000104
4 X 6.5	6.5	4.0	4	SPE	BLACK	40000-004700	40000-004800	40000-004900	
4 X 6.5	6.5	4.0	4	SSPE	BLACK	40000-004840			
4 X 6.5	6.5	4.0	4	SSPE	GRAY		40000-004850	40000-004950	
6 X 8	8.0	5.5	4	SPE	BLACK	40000-006510		40000-006580	
9 X 12	12.0	8.7	4	SPE	BLACK	40000-005530			

Missing catalog numbers available upon request, * At water temperatures up to 35° C | ** All Gray colored 3 X 5 micro-tubes produced in bi-layer structure

IRRIGATION PE TUBES & MICRO-TUBES CUT PIECES

MODEL	PIPE OD (MM)	PIPE ID (MM)	MAX. WORKING PRESSURE (BAR)	MATERIAL CLASS.	COLOR	CUT PIECES PIPE LENGTH (METER)								
						0.15	0.30	0.40	0.50	0.60	0.90	1.00	1.20	1.50
3 X 5	5.0	3.3	4	SPE	BLACK		40000-002500			40000-002800	40000-003000	40000-003030		40000-003065
3 X 5	5.0	3.3	4	SPE	GRAY**			40005-000206	40005-000205	40005-000204		40000-003032		
3 X 5	5.0	3.3	4	SSPE	BLACK					40000-002815	40000-003015	40000-003040		
3 X 5	5.0	3.3	4	SSPE	GRAY**		40000-002540	40005-000105	40005-000106	40000-002810	40000-003020	40005-000107		40000-003080
4 X 6.5	6.5	4.0	4	SPE	BLACK		40000-005040			40000-005100	40000-005170	40000-005220	40000-005260	40000-005340
4 X 6.5	6.5	4.0	4	SSPE	BLACK	40000-005015								
4 X 6.5	6.5	4.0	4	SSPE	GRAY	40000-005020	40000-005070			40000-005120	40000-005190	40000-005290	40000-005280	40000-005360
6 X 8	8.0	5.5	4	SPE	BLACK					40000-006160		40000-006210	40000-006260	40000-006310
9 X 12	12.0	8.7	4	SPE	BLACK					40000-005460	40000-005480	40000-005490	40000-005510	40000-005520

Missing catalog numbers available upon request, * At water temperatures up to 35° C | Cut pieces micro-tubes can be supplied in any required length between 0.15 and 2.50 m.

** All Gray colored 3 X 5 micro-tubes produced in bi-layer structure



IRRIGATION PE TUBES & MICRO-TUBES TIE COILS

MODEL	PIPE OD (MM)	PIPE ID (MM)	MAX. WORKING PRESSURE (BAR)	MATERIAL CLASSIFICATION	COLOR	TIE COILS PIPE LENGTH			
						100 METER	200 METER	500 METER	1000 METER
8	8.0	5.5	10	PE	BLACK	40000-012500	40000-012600	40000-012700	
8	8.0	5.5	10	PE	BLACK+1 STRIPE BLUE	40000-012800	40000-013300	40000-013800	
8	8.0	5.5	10	PE	BLACK+1 STRIPE GREEN	40000-012900	40000-013400	40000-013900	
8	8.0	5.5	10	PE	BLACK+1 STRIPE RED	40000-013000	40000-013500	40000-014000	
8	8.0	5.5	10	PE	BLACK+1 STRIPE WHITE	40000-013100	40000-013600	40000-014100	
8	8.0	5.5	10	PE	BLACK+1 STRIPE YELLOW	40000-013200	40000-013700	40000-014200	
8	8.0	5.5	10	PE	BLACK+2 STRIPES BLUE	40000-014300		40000-015300	40000-014350
8	8.0	5.5	10	PE	BLACK+2 STRIPES GREEN		40000-014900	40000-015400	40000-014450
8	8.0	5.5	10	PE	BLACK+2 STRIPES RED	40000-014500	40000-015000	40000-015500	40000-014550
8	8.0	5.5	10	PE	BLACK+2 STRIPES WHITE	40000-014600		40000-015600	40000-014650
8	8.0	5.5	10	PE	BLACK+2 STRIPES YELLOW	40000-014700		40000-015700	
8	8.0	5.5	10	PE	BLACK+3 STRIPES BLUE			40000-016800	
8	8.0	5.5	10	PE	BLACK+3 STRIPES GREEN			40000-016900	
8	8.0	5.5	10	PE	BLACK+3 STRIPES RED		40000-016500	40000-017000	
8	8.0	5.5	10	PE	BLACK+3 STRIPES WHITE		40000-016600	40000-017100	
8	8.0	5.5	10	PE	BLACK+3 STRIPES YELLOW				
8	8.0	5.5	10	PE	BLACK+4 STRIPES BLUE				
8	8.0	5.5	10	PE	BLACK+4 STRIPES GREEN				
8	8.0	5.5	10	PE	BLACK+4 STRIPES RED				
8	8.0	5.5	10	PE	BLACK+4 STRIPES WHITE				
8	8.0	5.5	10	PE	BLACK+4 STRIPES YELLOW				

Missing catalog numbers available upon request, * At water temperatures up to 35° C

/ Connectors

BARB

HWD CONNECTORS

Suitable for heavy-walled driplines, our user-friendly and reliable barb connectors prevent leakage for a full range of surface and subsurface drip irrigation installations.



Resistant



Durable



Reliable

/ Benefits & Features

- ✓ Wide array of reuse, recoiling and subsurface for comprehensive application coverage
- ✓ Simple design for easy installation and operation, as well as greater labor savings
- ✓ UV, chemical-resistant polymer body for extended durability
- ✓ Versatile structure for easy installation and minimal maintenance



/ Specifications & Recommendations

→ In Heavy walled driplines 0.9, 1.0 and 1.2 mm

→ TECHNICAL DATA

CONNECTORS FOR HWD	DRIPLINE	
	INTERNAL DIAMETER (MM)	WALL THICKNESS (MM)
BARB		
12	10.2	1.0 - 1.2
16	14.2	0.9 - 1.2
17	14.6	1.2
20	17.5	1.0 - 1.2
25	22.00	1.5

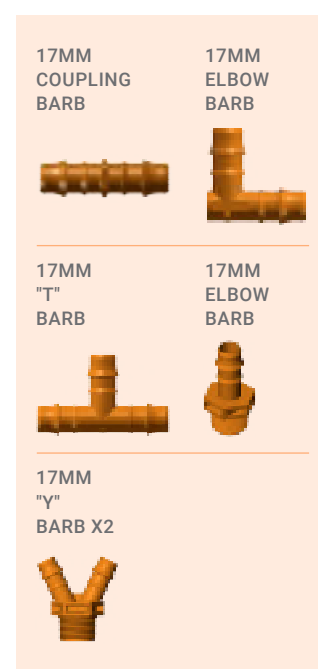
CONNECTORS FOR HWD	DRIPLINE	
	INTERNAL DIAMETER (MM)	WALL THICKNESS (MM)
BARB FOR MINING (PURPLE)		
12	10.2	1.0 - 1.2
16	14.2	0.9 - 1.2
17	14.6	1.2
18	15.5	1.1
20	17.5	1.0 - 1.2

→ CATALOG NUMBERS

		12MM	16MM	17MM	20MM	25MM
COUPLING BARB						
	1 UNIT	32500-002200	32500-010700	32500-003800	32500-060000	32500-021500
	50 UNITS/BAG	32500-002220	32500-010720	32500-003810	32500-060025	-
	100 UNITS/BAG	32500-002230	32500-010730	32500-003820	32500-060030	-
ELBOW BARB						
	1 UNIT	32500-003200	32500-012500	32500-005900	32500-010000	32500-022600
	50 UNITS/BAG	32500-003220	32500-012520	32500-005920	32500-010020	-
	100 UNITS/BAG	32500-003230	32500-012530	32500-005940	32500-010030	-
"T" BARB X x X x X						
	1 UNIT	32500-002500	32500-011300	32500-050700	32500-008400	32500-023700
	50 UNITS/BAG	32500-002520	32500-011320	32500-050712	32500-008420	-
	100 UNITS/BAG	32500-002530	32500-011330	32500-050713	32500-008430	-
STRAIGHT BARB MTH ½"						
	1 UNIT	32500-002300	32500-010900	32500-004400	32500-008000	32500-014801
	50 UNITS/BAG	32500-002306	32500-010920	32500-004430	32500-008020	-
	100 UNITS/BAG	-	-	32500-004440	32500-008030	-
STRAIGHT BARB MTH ¾"						
	1 UNIT	32500-002400	32500-011000	32500-004490	32500-008100	32500-014825
	50 UNITS/BAG	32500-002420	32500-011020	32500-004492	32500-008120	-
	100 UNITS/BAG	-	32500-011030	32500-004493	32500-008130	-
ELBOW BARB MTH ½"						
	1 UNIT	32500-003300	32500-012700	32500-006000	32500-014500	32500-022650
	50 UNITS/BAG	32500-003320	32500-012720	32500-006020	32500-014515	-
	100 UNITS/BAG	-	32500-012730	32500-006030	-	-
ELBOW BARB MTH ¾"						
	1 UNIT	32500-003400	32500-012800	32500-006100	32500-010100	32500-022700
	50 UNITS/BAG	32500-003420	32500-012820	32500-006120	32500-010110	-
	100 UNITS/BAG	32500-003430	32500-012830	32500-006130	-	-
"Y" BARB X2 MTH ½"						
	1 UNIT	-	-	32500-004460	-	-
	50 UNITS/BAG	-	-	-	-	-
	100 UNITS/BAG	-	-	32500-004475	-	-
"Y" BARB X2 MTH ¾"						
	1 UNIT	32500-002800	32500-011200	32500-004600	32500-008300	-
	50 UNITS/BAG	32500-002810	32500-011220	32500-004620	32500-008320	-
	100 UNITS/BAG	-	32500-011230	32500-004630	32500-008330	-
"W" BARB X3 MTH ¾"						
	1 UNIT	32500-002820	32500-012400	32500-005200	32500-009000	-
	50 UNITS/BAG	32500-002840	32500-012425	32500-005220	32500-009020	-
	100 UNITS/BAG	-	32500-012430	32500-005230	32500-009030	-

	ID MM	WALL THICKNESS		FITS NETAFIM™ DRIPLINES
		MM	MIL	
12 MM	10.2	1.0	39	12010
16 MM	14.2	0.9	35	16009
		1.0	39	16010
		1.2	47	16012
17 MM	14.6	1.2	47	17012
20 MM	17.5	1.0	39	20012
		1.2	47	20012
25 MM	22	1.5		25/4*

* To fit Netafim PE pipes



		12MM	16MM	17MM	20MM	25MM
--	--	------	------	------	------	------

"T" BARB X2 MTH ½"

	1 UNIT	32500-002310	32500-011600	32500-004450	32500-014550	32500-023790
	50 UNITS/BAG	32500-002320	32500-011620	-	-	-
	100 UNITS/BAG	32500-002330	-	-	-	-

"T" BARB X2 MTH ¾"

	1 UNIT	-	32500-011800	32500-004800	32500-008800	32500-023800
	50 UNITS/BAG	-	32500-011820	32500-004820	32500-008820	-
	100 UNITS/BAG	-	-	32500-004830	32500-008830	-

"CROSS" BARB 17 X 17 X 17 X 17

	1 UNIT	-	-	32500-006300	-	-
	50 UNITS/BAG	-	-	32500-006320	-	-
	100 UNITS/BAG	-	-	32500-006330	-	-

"8" LINE END

	1 UNIT	32500-003500	32500-013000	32500-013000	32500-014400	-
	50 UNITS/BAG	32500-003520	32500-013020	32500-013020	32500-014420	-
	100 UNITS/BAG	32500-003530	32500-013030	32500-013030	32500-014430	-

BARB THREADED LOOSE FEMALE ¾"

	1 UNIT	-	32500-011100	-	32500-008270	-
	50 UNITS/BAG	-	-	-	-	-
	100 UNITS/BAG	-	-	-	-	-

"T" BARB X2 FTH ½"

	1 UNIT	-	-	32500-005050	-	-
	50 UNITS/BAG	-	-	32500-005520	-	-
	100 UNITS/BAG	-	-	32500-005530	-	-

"T" BARB X2 FTH ¾"

	1 UNIT	-	32500-011700	32500-004700	32500-008900	-
	50 UNITS/BAG	-	32500-011720	32500-004720	32500-008920	-
	100 UNITS/BAG	-	-	32500-004730	32500-008930	-

"T" BARB X2 FTH 1"

	1 UNIT	-	-	32500-005500	32500-009400	-
	50 UNITS/BAG	-	-	32500-005520	32500-009420	-
	100 UNITS/BAG	-	-	32500-005530	32500-009430	-

BARB X3 FTH ¾"

	1 UNIT	32500-002900	32500-011900	32500-005100	32500-009100	-
	50 UNITS/BAG	32500-002920	32500-011920	32500-005120	32500-009120	-
	100 UNITS/BAG	-	-	32500-005130	32500-009130	-

BARB X3 FTH 1"

	1 UNIT	-	-	32500-005600	32500-009500	-
	50 UNITS/BAG	-	-	32500-005610	32500-009520	-
	100 UNITS/BAG	-	-	32500-005620	32500-009530	-

	ID MM	WALL THICKNESS		FITS NETAFIM™ DRIPLINES
		MM	MIL	
12 MM	10.2	1.0	39	12010
16 MM	14.2	0.9	35	16009
		1.0	39	16010
		1.2	47	16012
17 MM	14.6	1.2	47	17012
20 MM	17.5	1.0	39	20012
		1.2	47	20012
25 MM	22	1.5		25/4*

* To fit Netafim PE pipes

17MM
"T"
BARB X2



17MM
"T"
BARB X3



		12MM	16MM	17MM	20MM	25MM
--	--	------	------	------	------	------

BARB X4 FTH ¾"

	1 UNIT	32500-003000	32500-012100	32500-005300	32500-009200	-
	50 UNITS/BAG	32500-003020	32500-012120	32500-005320	32500-009220	-
	100 UNITS/BAG	-	-	32500-005330	32500-009230	-

BARB X4 FTH 1"

	1 UNIT	-	-	32500-005700	32500-009600	-
	50 UNITS/BAG	-	-	32500-005710	32500-009620	-
	100 UNITS/BAG	-	-	-	32500-009630	-

BARB X6 FTH ¾"

	1 UNIT	32500-003100	32500-012300	32500-005400	32500-009300	-
	50 UNITS/BAG	32500-003120	32500-012320	32500-005420	32500-009320	-
	100 UNITS/BAG	32500-003130	-	32500-005430	32500-009330	-

BARB X6 FTH 1"

	1 UNIT	-	-	32500-005800	32500-009800	-
	50 UNITS/BAG	-	-	32500-005810	32500-009820	-
	100 UNITS/BAG	-	-	-	32500-009830	-

	ID MM	WALL THICKNESS		FITS NETAFIM™ DRIPLINES
		MM	MIL	
12 MM	10.2	1.0	39	12010
16 MM	14.2	0.9	35	16009
		1.0	39	16010
		1.2	47	16012
17 MM	14.6	1.2	47	17012
20 MM	17.5	1.0	39	20012
		1.2	47	20012
25 MM	22	1.5		25/4*

* To fit Netafim PE pipes

17MM
BARB X4



17MM
BARB X 6



→ REDUCING CONNECTORS

	12MM	16MM	17MM	20MM	25MM
--	------	------	------	------	------

REDUCING COUPLING 12MM TO X

	1 UNIT	-	32500-010800	32500-004100	32500-007800	-
	50 UNITS/BAG	-	32500-010820	32500-004120	32500-007830	-
	100 UNITS/BAG	-	32500-010830	-	-	-

REDUCING COUPLING 16MM TO X

	1 UNIT	-	-	32500-004250	32500-007900	-
	50 UNITS/BAG	-	-	32500-004260	32500-007920	-
	100 UNITS/BAG	-	-	32500-004270	32500-007930	-

REDUCING COUPLING 17MM TO X

	1 UNIT	-	-	-	32500-004300	-
	50 UNITS/BAG	-	-	-	32500-004315	-
	100 UNITS/BAG	-	-	-	32500-004330	-

REDUCING COUPLING 20MM TO X

	1 UNIT	-	-	-	-	32500-014830
	50 UNITS/BAG	-	-	-	-	-
	100 UNITS/BAG	-	-	-	-	-

"T" BARB /RING CONNECTOR (BODY & 2 FLAT RINGS) FLAT RING 16 X 2 BARB 17

	1 UNIT	-	-	32500-018900	-	-
	50 UNITS/BAG	-	-	-	-	-
	100 UNITS/BAG	-	-	-	-	-

	12-16-12	16-12-16	16-20-16	17-16-17	20-12-20	20-16-20	25-20-25
--	----------	----------	----------	----------	----------	----------	----------

REDUCING "T" BARB X2

	1 UNIT	32500-002600	32500-011400	32500-011500	32500-005000	32500-008500	32500-008600	32500-014850
	50 UNITS/BAG	32500-002620	32500-011420	32500-011520	32500-005020	-	32500-008610	-
	100 UNITS/BAG	32500-002630	-	-	-	-	32500-008620	-

	ID MM	WALL THICKNESS		FITS NETAFIM™ DRIPLINES
		MM	MIL	
12 MM	10.2	1.0	39	12010
16 MM	14.2	0.9	35	16009
		1.0	39	16010
		1.2	47	16012
17 MM	14.6	1.2	47	17012
20 MM	17.5	1.0	39	20012
		1.2	47	20012
25 MM	22	1.5		25/4*

* To fit Netafim PE pipes

→ 8MM BARB CONNECTORS FOR 6.4MM ID DRIPLINES (BROWN)

ID MM	WALL THICKNESS		FITS NETAFIM™ DRIPLINES
	MM	MIL	
6.3	0.8	32	MICRODRIP 8

Recommended hole: 3 mm

COUPLING BARB 8 X 8 (BROWN)

	1 UNIT	32500-002000
	50 UNITS/BAG	32500-002020
	100 UNITS/BAG	32500-002030

ELBOW BARB 8 X 8 (BROWN)

	1 UNIT	32500-001900
	50 UNITS/BAG	32500-001915
	100 UNITS/BAG	32500-001920

"T" BARB 8 X 8 X 8

	1 UNIT	32500-002100
	50 UNITS/BAG	32500-002115
	100 UNITS/BAG	32500-002120

PRESS - FIT 8 - BARB / MALE (BROWN)

	1 UNIT	32500-040000
	50 UNITS/BAG	-
	100 UNITS/BAG	-

PRESS - FIT 8 - BARB / FEMALE (BROWN)

	1 UNIT	32500-040100
	50 UNITS/BAG	
	100 UNITS/BAG	

→ 5MM BARB CONNECTORS FOR 3.0MM ID MICRO-TUBES

ID MM	WALL THICKNESS		FITS NETAFIM™ DRIPLINES
	MM	MIL	
3.2	0.8	32	3X5 BLANK MICRO-TUBE

*To connect a PE pipe to a micro-tube 3 x 5 or to a manifold

"T" BARB 5 X 5 X 5 / (BLACK)

	1 UNIT	32500-001500
	50 UNITS/BAG	32500-001520
	100 UNITS/BAG	32500-001530
	1000 UNITS/BAG	32500-001540

"T" BARB 5 X 5 X 5 / (BROWN)

	1 UNIT	32500-001600
	50 UNITS/BAG	32500-001620
	100 UNITS/BAG	-
	1000 UNITS/BAG	-

"T" 5 BARB TH 5 X 2 / (BLACK)

	1 UNIT	32500-001300
	50 UNITS/BAG	32500-001320
	100 UNITS/BAG	32500-001330
	1000 UNITS/BAG	32500-001340

"T" 5 BARB TH 5 X 2 / (BROWN)

	1 UNIT	32500-001400
	50 UNITS/BAG	-
	100 UNITS/BAG	-
	1000 UNITS/BAG	-

"T" BARB 8 X 8 X 8 *

	1 UNIT	32500-001900
	50 UNITS/BAG	32500-001920
	100 UNITS/BAG	32500-001930

PRESS - FIT 8 - BARB / MALE (BROWN) *

	1 UNIT	32500-001850
	50 UNITS/BAG	32500-001860
	100 UNITS/BAG	32500-001870

BARB/TH START CONNECTOR 5MM

	1 UNIT	32500-001100
	50 UNITS/BAG	32500-001110
	100 UNITS/BAG	-
	1000 UNITS/BAG	32500-001140

"T" TH 5 X 5 X 5

	1 UNIT	32500-001700
	50 UNITS/BAG	32500-001720
	100 UNITS/BAG	32500-001730
	1000 UNITS/BAG	32500-001740

/ Accessories

PRESSURE REGULATORS

Accurate regulators for ensuring uniform pressure.



Accurate



Reliable



Versatile



3/4" IN-LINE



3/4" x 1 (2000)



1 1/2" x 2 (2000)



2" x 4 (2000)



2" x 6 (2000)



3" x 10 (2000)

Overview

- Ensuring continuous non-peak, consistent pressure and maximum system uptime, our highly accurate pressure regulators are available in two models.
- PRV 2000:** Located near the head control, this model is available at various outlet pressures.
- In-line PRV:** Located at the dripline, sprinkler or conduction/distribution pipe entry point, this model is suitable for low-flow rates that are most prevalent in sloped irrigation applications.

→ PRESSURE REGULATORS SELECTION

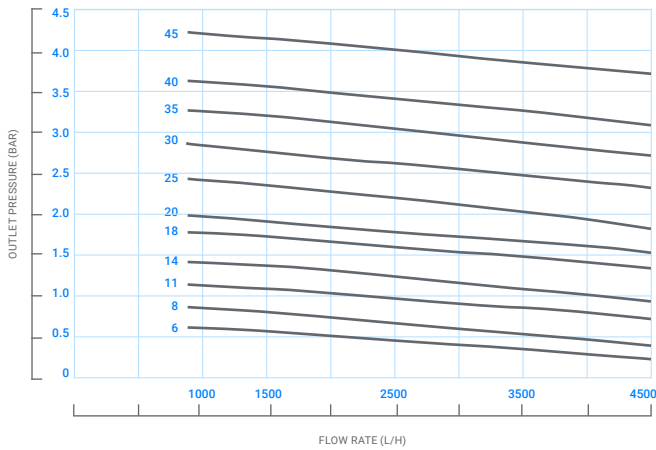
PRODUCT	MODEL	MIN. FLOW RATE (M ³ /H)	MAX. FLOW RATE (M ³ /H)	MAX. INLET PRESSURE (BAR)	BODY MATERIAL
3/4" IN-LINE PRV (LOW FLOW)	IN-LINE PRV	0.08	1.0	10	PLASTIC, BLACK
3/4" IN-LINE PRV (ACID RESISTANT)	IN-LINE PRV	0.08	1.0	4	PLASTIC, PURPLE
3/4" (1 REGULATING UNIT)	2000	1.2	4.5	10	PLASTIC, BLACK
1 1/2" (2 REGULATING UNITS)	2000	2.4	9.0	10	PLASTIC, BLACK
2" (4 REGULATING UNITS)	2000	4.8	18.0	10	PLASTIC, BLACK
2" (6 REGULATING UNITS)	2000	7.2	27.0	10	BRASS
3" (10 REGULATING UNITS)	2000	12	45.0	10	BRASS

→ REGULATING UNITS FOR 2000 SERIES SELECTION

0.6, 0.8, 1.1, 1.4, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5

* Outlet pressure in bar

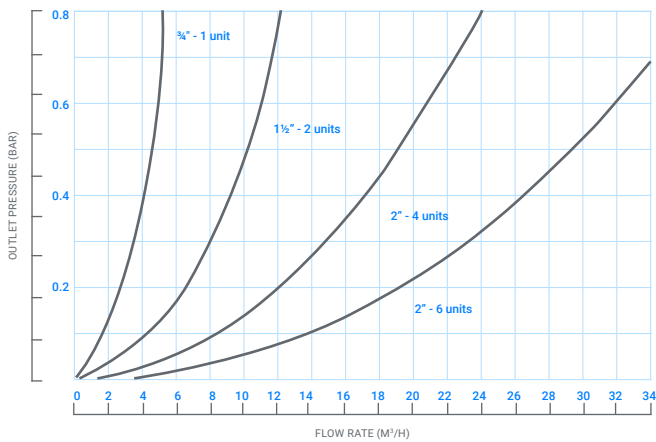
→ PRV 2000 SERIES OUTLET PRESSURE VS. FLOW RATE



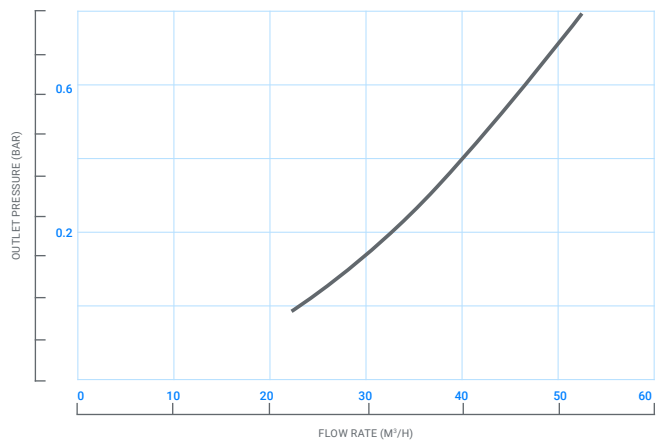
→ EXAMPLE: FLOW RATE – OUTPUT PRESSURE

- ✓ Given flow rate = 14.0 m³/h
- ✓ Required output pressure = 1.4 bar
- ✓ Calculation: Selected product = PRV 2"x 6 springs.
- ✓ Head loss across the PRV unit at 14.0 m³/h = 0.12 bar (graph 2)
- ✓ Flow rate per spring = 14:6 = 2.3 m³/h.
- ✓ Selected spring 1.4 = output pressure at 2.3 m³/h is 1.4 bar (graph 1)
- ✓ Total minimum required inlet pressure = 1.4 + 0.12 + 0.2 (0.2 bar is constant addition to move the piston out) = 1.72 bar
- ✓ Spring pressure regulator valve = > head loss + actual output pressure + 0.2 bar = minimum required inlet pressure

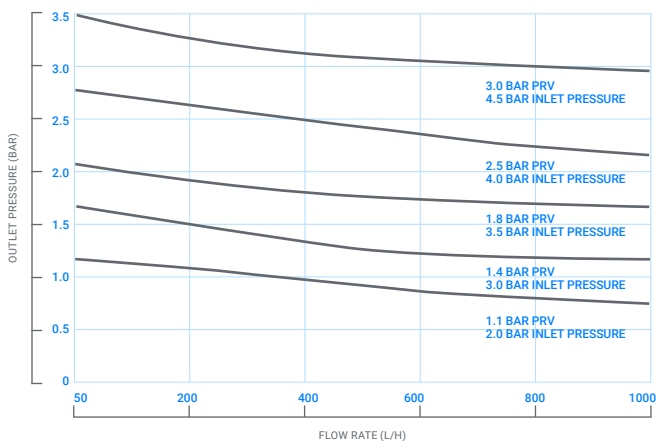
→ PRESSURE REGULATORS HEAD LOSS VS. FLOW RATE



→ 3" X 10 HEAD LOSS VS. FLOW RATE



→ IN LINE PRV OUTLET PRESSURE VS. FLOW RATE



→ IN-LINE PRV LOW FLOW PRESSURE REGULATOR

- ✓ Plastic body, corrosion resistant
- ✓ Stainless steel spring
- ✓ Min. flow rate 50 l/h, max. flow rate 1000 l/h
- ✓ Inlet and outlet connector 3/4" female
- ✓ Max. inlet pressure: 10 bar
- ✓ Spring for drip irrigation: 1.1, 1.4 and 1.8 bar
- ✓ Spring for sprinklers: 2.5 and 3.0 bar with 1/2" female threaded at the outlet

→ LOGISTIC INFORMATION

PRODUCT ILLUSTRATION	DESCRIPTION	FLOW RANGE (M ³ /H / GPM)	NOMINAL OUTPUT PRESSURE (BAR / PSI)	MAX OPERATING PRESSURE (BAR / PSI)	REGULATING UNITS QTY	CATALOG NO.
----------------------	-------------	--------------------------------------	-------------------------------------	------------------------------------	----------------------	-------------

IN-LINE PRV ¾"

	INLINE P.R.V. ¾" 1.1 BAR 15 PSI	0.08-1 / 0.35-4.4	1.1 / 15	10 / 145	1	31000-001000
	INLINE P.R.V. ¾" 1.4 BAR 20 PSI	0.08-1 / 0.35-4.4	1.4 / 20	10 / 145	1	31000-001120
	INLINE P.R.V. ¾" 1.8 BAR 25 PSI	0.08-1 / 0.35-4.4	1.8 / 25	10 / 145	1	31000-001160
	INLINE P.R.V. ¾" 2.5 BAR 35 PSI	0.08-1 / 0.35-4.4	2.5 / 35	10 / 145	1	31000-001200
	INLINE P.R.V. ¾" * ½" 2.5 BAR 43 PSI	0.08-1 / 0.35-4.4	2.5 / 35	10 / 145	1	31000-001210
	INLINE P.R.V. ¾" 3.0 BAR 43 PSI	0.08-1 / 0.35-4.4	3.0 / 43	10 / 145	1	31000-001400
	INLINE P.R.V. ¾" * ½" 2.5 BAR 35 PSI	0.08-1 / 0.35-4.4	2.5 / 35	10 / 145	1	31000-002200

IN-LINE PRV ¾" FOR MINING

	INLINE P.R.V. ¾" 1.1 BAR 15 PSI MINING	0.08-1 / 0.35-4.4	1.1 / 15	4 / 60	1	31000-001100
	INLINE P.R.V. ¾" 1.4 BAR 20 PSI MINING	0.08-1 / 0.35-4.4	1.4 / 20	4 / 60	1	31000-001140
	INLINE P.R.V. ¾" 1.8 BAR 25 PSI MINING	0.08-1 / 0.35-4.4	1.8 / 25	4 / 60	1	31000-001180
	INLINE P.R.V. ¾" 2.5 BAR 35 PSI MINING	0.08-1 / 0.35-4.4	2.5 / 35	4 / 60	1	31000-001300
	INLINE P.R.V. ¾" * 1/2" 1.1 BAR MINING	0.08-1 / 0.35-4.4	1.1 / 15	4 / 60	1	31000-002300
	INLINE P.R.V. ¾" * 1/2" 1.4 BAR MINING	0.08-1 / 0.35-4.4	1.4 / 20	4 / 60	1	31000-002330
	INLINE P.R.V. ¾" * 1/2" 1.8 BAR MINING	0.08-1 / 0.35-4.4	1.8 / 25	4 / 60	1	31000-002360
	INLINE P.R.V. ¾" * 1/2" 2.5 BAR MINING	0.08-1 / 0.35-4.4	2.5 / 35	4 / 60	1	31000-002390

PRV 2000 ¾"

	P.R.V. 2000 ¾" 0.6 BAR 9 PSI	1.2-4.5 / 5.2-19.8	0.6 / 9	10 / 145	1	30500-001000
	P.R.V. 2000 ¾" 0.8 BAR 12 PSI	1.2-4.5 / 5.2-19.8	0.8 / 12	10 / 145	1	30500-001100
	P.R.V. 2000 ¾" 1.1 BAR 15 PSI	1.2-4.5 / 5.2-19.8	1.1 / 15	10 / 145	1	30500-001200
	P.R.V. 2000 ¾" 1.4 BAR 20 PSI	1.2-4.5 / 5.2-19.8	1.4 / 20	10 / 145	1	30500-001300
	P.R.V. 2000 ¾" 1.8 BAR 25 PSI	1.2-4.5 / 5.2-19.8	1.8 / 25	10 / 145	1	30500-001400
	P.R.V. 2000 ¾" 2.0 BAR 30 PSI	1.2-4.5 / 5.2-19.8	2.0 / 30	10 / 145	1	30500-001500
	P.R.V. 2000 ¾" 2.5 BAR 35 PSI	1.2-4.5 / 5.2-19.8	2.5 / 35	10 / 145	1	30500-001600
	P.R.V. 2000 ¾" 3.0 BAR 43 PSI	1.2-4.5 / 5.2-19.8	3.0 / 43	10 / 145	1	30500-001700
	P.R.V. 2000 ¾" 3.5 BAR 50 PSI	1.2-4.5 / 5.2-19.8	3.5 / 50	10 / 145	1	30500-001800
	P.R.V. 2000 ¾" 4.0 BAR 57 PSI	1.2-4.5 / 5.2-19.8	4.0 / 57	10 / 145	1	30500-001900
	P.R.V. 2000 ¾" 4.5 BAR 65 PSI	1.2-4.5 / 5.2-19.8	4.5 / 65	10 / 145	1	30500-002000

PRODUCT ILLUSTRATION	DESCRIPTION	FLOW RANGE (M ³ /H / GPM)	NOMINAL OUTPUT PRESSURE (BAR / PSI)	MAX OPERATING PRESSURE (BAR / PSI)	REGULATING UNITS QTY	CATALOG NO.
PRV 2000 1.5" 2 UNITS						
	P.R.V. 2000 1½" 0.6 BAR 9 PSI 2U	2.4-9 / 10.4-39.6	0.6 / 9	10 / 145	2	30520-001000
	P.R.V. 2000 1½" 0.8 BAR 12 PSI 2U	2.4-9 / 10.4-39.6	0.8 / 12	10 / 145	2	30520-001100
	P.R.V. 2000 1½" 1.1 BAR 15 PSI 2U	2.4-9 / 10.4-39.6	1.1 / 15	10 / 145	2	30520-001200
	P.R.V. 2000 1½" 1.4 BAR 20 PSI 2U	2.4-9 / 10.4-39.6	1.4 / 20	10 / 145	2	30520-001300
	P.R.V. 2000 1½" 1.8 BAR 25 PSI 2U	2.4-9 / 10.4-39.6	1.8 / 25	10 / 145	2	30520-001400
	P.R.V. 2000 1½" 2.0 BAR 30 PSI 2U	2.4-9 / 10.4-39.6	2.0 / 30	10 / 145	2	30520-001500
	P.R.V. 2000 1½" 2.5 BAR 35 PSI 2U	2.4-9 / 10.4-39.6	2.5 / 35	10 / 145	2	30520-001600
	P.R.V. 2000 1½" 3.0 BAR 43 PSI 2U	2.4-9 / 10.4-39.6	3.0 / 43	10 / 145	2	30520-001700
	P.R.V. 2000 1½" 3.5 BAR 50 PSI 2U	2.4-9 / 10.4-39.6	3.5 / 50	10 / 145	2	30520-001800
	P.R.V. 2000 1½" 4.0 BAR 57 PSI 2U	2.4-9 / 10.4-39.6	4.0 / 57	10 / 145	2	30520-001900
	P.R.V. 2000 1½" 4.5 BAR 65 PSI 2U	2.4-9 / 10.4-39.6	4.5 / 65	10 / 145	2	30520-002000

PRV 2000 2" 4 UNITS						
	P.R.V. 2000 2" BSPT 0.6 BAR 9 PSI 4U PL	4.8-18 / 20.8-79.2	0.6 / 9	10 / 145	4	30540-000900
	P.R.V. 2000 2" BSPT 0.8 BAR 12 PSI 4U PL	4.8-18 / 20.8-79.2	0.8 / 12	10 / 145	4	30540-000901
	P.R.V. 2000 2" BSPT 1.1 BAR 15 PSI 4U PL	4.8-18 / 20.8-79.2	1.1 / 15	10 / 145	4	30540-000902
	P.R.V. 2000 2" BSPT 1.4 BAR 20 PSI 4U PL	4.8-18 / 20.8-79.2	1.4 / 20	10 / 145	4	30540-000903
	P.R.V. 2000 2" BSPT 1.8 BAR 25 PSI 4U PL	4.8-18 / 20.8-79.2	1.8 / 25	10 / 145	4	30540-000904
	P.R.V. 2000 2" BSPT 2.0 BAR 30 PSI 4U PL	4.8-18 / 20.8-79.2	2.0 / 30	10 / 145	4	30540-000905
	P.R.V. 2000 2" BSPT 2.5 BAR 35 PSI 4U PL	4.8-18 / 20.8-79.2	2.5 / 35	10 / 145	4	30540-000906
	P.R.V. 2000 2" BSPT 3.0 BAR 43 PSI 4U PL	4.8-18 / 20.8-79.2	3.0 / 43	10 / 145	4	30540-000907
	P.R.V. 2000 2" BSPT 3.5 BAR 50 PSI 4U PL	4.8-18 / 20.8-79.2	3.5 / 50	10 / 145	4	30540-000908
	P.R.V. 2000 2" BSPT 4.0 BAR 57 PSI 4U PL	4.8-18 / 20.8-79.2	4.0 / 57	10 / 145	4	30540-000909
	P.R.V. 2000 2" BSPT 4.5 BAR 65 PSI 4U PL	4.8-18 / 20.8-79.2	4.5 / 65	10 / 145	4	30540-000910
	P.R.V. 2000 2" NPT 0.6 BAR 9 PSI 4U PL	4.8-18 / 20.8-79.2	0.6 / 9	10 / 145	4	30540-000950
	P.R.V. 2000 2" NPT 0.8 BAR 12 PSI 4U PL	4.8-18 / 20.8-79.2	0.8 / 12	10 / 145	4	30540-000951
	P.R.V. 2000 2" NPT 1.1 BAR 15 PSI 4U PL	4.8-18 / 20.8-79.2	1.1 / 15	10 / 145	4	30540-000952
	P.R.V. 2000 2" NPT 1.4 BAR 20 PSI 4U PL	4.8-18 / 20.8-79.2	1.4 / 20	10 / 145	4	30540-000953
	P.R.V. 2000 2" NPT 1.8 BAR 25 PSI 4U PL	4.8-18 / 20.8-79.2	1.8 / 25	10 / 145	4	30540-000954
	P.R.V. 2000 2" NPT 2.0 BAR 30 PSI 4U PL	4.8-18 / 20.8-79.2	2.0 / 30	10 / 145	4	30540-000955
	P.R.V. 2000 2" NPT 2.5 BAR 35 PSI 4U PL	4.8-18 / 20.8-79.2	2.5 / 35	10 / 145	4	30540-000956
	P.R.V. 2000 2" NPT 3.0 BAR 43 PSI 4U PL	4.8-18 / 20.8-79.2	3.0 / 43	10 / 145	4	30540-000957
	P.R.V. 2000 2" NPT 3.5 BAR 50 PSI 4U PL	4.8-18 / 20.8-79.2	3.5 / 50	10 / 145	4	30540-000958
	P.R.V. 2000 2" NPT 4.0 BAR 57 PSI 4U PL	4.8-18 / 20.8-79.2	4.0 / 57	10 / 145	4	30540-000959
	P.R.V. 2000 2" NPT 4.5 BAR 65 PSI 4U PL	4.8-18 / 20.8-79.2	4.5 / 65	10 / 145	4	30540-000960

PRODUCT ILLUSTRATION	DESCRIPTION	FLOW RANGE (M ³ /H / GPM)	NOMINAL OUTPUT PRESSURE (BAR / PSI)	MAX OPERATING PRESSURE (BAR / PSI)	REGULATING UNITS QTY	CATALOG NO.
PRV 2000 2" 6 UNITS						
	P.R.V. 2000 2" BSPP 0.6 BAR 9 PSI 6U	7.2-27 / 31.2-118.8	0.6 / 9	10 / 145	6	30560-001000
	P.R.V. 2000 2" BSPP 0.8 BAR 12 PSI 6U	7.2-27 / 31.2-118.8	0.8 / 12	10 / 145	6	30560-001100
	P.R.V. 2000 2" BSPP 1.1 BAR 15 PSI 6U	7.2-27 / 31.2-118.8	1.1 / 15	10 / 145	6	30560-001200
	P.R.V. 2000 2" BSPP 1.4 BAR 20 PSI 6U	7.2-27 / 31.2-118.8	1.4 / 20	10 / 145	6	30560-001300
	P.R.V. 2000 2" BSPP 1.8 BAR 25 PSI 6U	7.2-27 / 31.2-118.8	1.8 / 25	10 / 145	6	30560-001400
	P.R.V. 2000 2" BSPP 2.0 BAR 30 PSI 6U	7.2-27 / 31.2-118.8	2.0 / 30	10 / 145	6	30560-001500
	P.R.V. 2000 2" BSPP 2.5 BAR 35 PSI 6U	7.2-27 / 31.2-118.8	2.5 / 35	10 / 145	6	30560-001600
	P.R.V. 2000 2" BSPP 3.0 BAR 43 PSI 6U	7.2-27 / 31.2-118.8	3.0 / 43	10 / 145	6	30560-001700
	P.R.V. 2000 2" BSPP 3.5 BAR 50 PSI 6U	7.2-27 / 31.2-118.8	3.5 / 50	10 / 145	6	30560-001800
	P.R.V. 2000 2" BSPP 4.0 BAR 57 PSI 6U	7.2-27 / 31.2-118.8	4.0 / 57	10 / 145	6	30560-001900
	P.R.V. 2000 2" BSPP 4.5 BAR 65 PSI 6U	7.2-27 / 31.2-118.8	4.5 / 65	10 / 145	6	30560-002000
	P.R.V. 2000 2" NPT 0.6 BAR 9 PSI 6U	7.2-27 / 31.2-118.8	0.6 / 9	10 / 145	6	30560-002100
	P.R.V. 2000 2" NPT 0.8 BAR 12 PSI 6U	7.2-27 / 31.2-118.8	0.8 / 12	10 / 145	6	30560-002200
	P.R.V. 2000 2" NPT 1.1 BAR 15 PSI 6U	7.2-27 / 31.2-118.8	1.1 / 15	10 / 145	6	30560-002300
	P.R.V. 2000 2" NPT 1.4 BAR 20 PSI 6U	7.2-27 / 31.2-118.8	1.4 / 20	10 / 145	6	30560-002400
	P.R.V. 2000 2" NPT 1.8 BAR 25 PSI 6U	7.2-27 / 31.2-118.8	1.8 / 25	10 / 145	6	30560-002500
	P.R.V. 2000 2" NPT 2.0 BAR 30 PSI 6U	7.2-27 / 31.2-118.8	2.0 / 30	10 / 145	6	30560-002600
	P.R.V. 2000 2" NPT 2.5 BAR 35 PSI 6U	7.2-27 / 31.2-118.8	2.5 / 35	10 / 145	6	30560-002700
	P.R.V. 2000 2" NPT 3.0 BAR 43 PSI 6U	7.2-27 / 31.2-118.8	3.0 / 43	10 / 145	6	30560-002800
	P.R.V. 2000 2" NPT 3.5 BAR 50 PSI 6U	7.2-27 / 31.2-118.8	3.5 / 50	10 / 145	6	30560-002900
	P.R.V. 2000 2" NPT 4.0 BAR 57 PSI 6U	7.2-27 / 31.2-118.8	4.0 / 57	10 / 145	6	30560-003000
	P.R.V. 2000 2" NPT 4.5 BAR 65 PSI 6U	7.2-27 / 31.2-118.8	4.5 / 65	10 / 145	6	30560-003100
PRV 2000 3" 10 UNITS						
	P.R.V. 2000 3" BSPP 0.6 BAR 9 PSI 10U	12-45 / 52-198	0.6 / 9	10 / 145	10	30580-001000
	P.R.V. 2000 3" BSPP 0.8 BAR 12 PSI 10U	12-45 / 52-198	0.8 / 12	10 / 145	10	30580-001100
	P.R.V. 2000 3" BSPP 1.1 BAR 15 PSI 10U	12-45 / 52-198	1.1 / 15	10 / 145	10	30580-001200
	P.R.V. 2000 3" BSPP 1.4 BAR 20 PSI 10U	12-45 / 52-198	1.4 / 20	10 / 145	10	30580-001300
	P.R.V. 2000 3" BSPP 1.8 BAR 25 PSI 10U	12-45 / 52-198	1.8 / 25	10 / 145	10	30580-001400
	P.R.V. 2000 3" BSPP 2.0 BAR 30 PSI 10U	12-45 / 52-198	2.0 / 30	10 / 145	10	30580-001500
	P.R.V. 2000 3" BSPP 2.5 BAR 35 PSI 10U	12-45 / 52-198	2.5 / 35	10 / 145	10	30580-001600
	P.R.V. 2000 3" BSPP 3.0 BAR 43 PSI 10U	12-45 / 52-198	3.0 / 43	10 / 145	10	30580-001700
	P.R.V. 2000 3" BSPP 3.5 BAR 50 PSI 10U	12-45 / 52-198	3.5 / 50	10 / 145	10	30580-001800
	P.R.V. 2000 3" BSPP 4.0 BAR 57 PSI 10U	12-45 / 52-198	4.0 / 57	10 / 145	10	30580-001900
	P.R.V. 2000 3" BSPP 4.5 BAR 65 PSI 10U	12-45 / 52-198	4.5 / 65	10 / 145	10	30580-002000
	P.R.V. 2000 3" NPT 0.6 BAR 9 PSI 10U	12-45 / 52-198	0.6 / 9	10 / 145	10	30580-002100
	P.R.V. 2000 3" NPT 0.8 BAR 12 PSI 10U	12-45 / 52-198	0.8 / 12	10 / 145	10	30580-002200
	P.R.V. 2000 3" NPT 1.1 BAR 15 PSI 10U	12-45 / 52-198	1.1 / 15	10 / 145	10	30580-002300
	P.R.V. 2000 3" NPT 1.4 BAR 20 PSI 10U	12-45 / 52-198	1.4 / 20	10 / 145	10	30580-002400
	P.R.V. 2000 3" NPT 1.8 BAR 25 PSI 10U	12-45 / 52-198	1.8 / 25	10 / 145	10	30580-002500
	P.R.V. 2000 3" NPT 2.0 BAR 30 PSI 10U	12-45 / 52-198	2.0 / 30	10 / 145	10	30580-002600
	P.R.V. 2000 3" NPT 2.5 BAR 35 PSI 10U	12-45 / 52-198	2.5 / 35	10 / 145	10	30580-002700
	P.R.V. 2000 3" NPT 3.0 BAR 43 PSI 10U	12-45 / 52-198	3.0 / 43	10 / 145	10	30580-002800
	P.R.V. 2000 3" NPT 3.5 BAR 50 PSI 10U	12-45 / 52-198	3.5 / 50	10 / 145	10	30580-002900
	P.R.V. 2000 3" NPT 4.0 BAR 57 PSI 10U	12-45 / 52-198	4.0 / 57	10 / 145	10	30580-003000
	P.R.V. 2000 3" NPT 4.5 BAR 65 PSI 10U	12-45 / 52-198	4.5 / 65	10 / 145	10	30580-003100

PRODUCT ILLUSTRATION	DESCRIPTION	CATALOG NUMBER
SPARE PARTS FOR PRV 2000		
	REGULATING UNIT 2000 0.6 BAR 9 PSI	31500-001000
	REGULATING UNIT 2000 0.8 BAR 12 PSI	31500-001100
	REGULATING UNIT 2000 1.1 BAR 15 PSI	31500-001200
	REGULATING UNIT 2000 1.4 BAR 20 PSI	31500-001300
	REGULATING UNIT 2000 1.8 BAR 25 PSI	31500-001400
	REGULATING UNIT 2000 2.0 BAR 30 PSI	31500-001500
	REGULATING UNIT 2000 2.5 BAR 35 PSI	31500-001600
	REGULATING UNIT 2000 3.0 BAR 43 PSI	31500-001700
	REGULATING UNIT 2000 3.5 BAR 50 PSI	31500-001800
	REGULATING UNIT 2000 4.0 BAR 57 PSI	31500-001900
	REGULATING UNIT 2000 4.5 BAR 65 PSI	31500-002000
	P.R.V. 2000 ¾" - BODY REPLACEMENT KIT	31500-002020
	P.R.V. 2000 1½" - BODY REPLACEMENT KIT	31500-002030
	P.R.V. 2000 2" 4U BSPT - B.REPLACEMENT KIT	31500-018910
	P.R.V.2000 2" 4U NPT - B.REPLACEMENT KIT	31500-018900
	P.R.V.2000 2" 6U BSPP - B.REPLACEMENT KIT	31500-002060
	P.R.V.2000 2" 6U NPT - B.REPLACEMENT KIT	31500-002070
	P.R.V. 2000 2" 6U NPT - B.REPLCMNT KIT 5/CASE	31500-002075
	P.R.V. 2000 3" 10U BSPP - B.REPLACEMENT KIT	31500-002080
	P.R.V. 2000 3" 10U NPT - B.REPLACEMENT KIT	31500-002090

PRESSURE INDICATOR

Easy-to install visual water-pressure indicator. Based on a simple design, our pressure indicator alert in-field workers regarding water pressure level changes that need to be addressed immediately.



P = 0.0 BAR



P = 0.3 BAR



P = 0.5 BAR



Visible



Easy to Install



Reliable

/ Benefits & Features

- ✓ Colored flag indicator for clear, long-distance visibility
- ✓ Real-time indicator mechanism for rapid control of dripline pressure
- ✓ Simple design for easy installation and minimal maintenance

→ INSTALLATION STAGES

1. Insert the start connector
2. Drive the stake into the ground

No need for maintenance, adjustment or measurement

→ PRESSURE INDICATOR INCLUDES

- ✓ Body w/flag
- ✓ Microtube SPE 3x5 mm, 90 cm length
- ✓ Start connector
- ✓ Plastic stake (33 cm)

→ LOGISTIC INFORMATION

	UNITS	DIMENSIONS (CM)	WEIGHT (KG)	CATALOG NUMBER
BOX	50	32 X 29 X 49	5.10	32000-002600

Dr. Zip Adapter

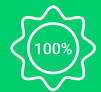
A reliable dripline-to-Micro-tube/manifold adapter. Enables easy connection of integral dripper to micro-tubes to ensure precise irrigation across diverse applications.



Cost Effective



Optimal Irrigation
Performance



Reliable

Benefits & Features

- **Easy installation** Easy to install & connect an integral dripper to micro-tube/manifold.
- **Reliable sealing** Sufficiently flexible to wrap any deformed pipe shape, allowing reliable sealing.
- **Prevents drop migration** Can also be used as prevntion of drop migration (draining) along laterals.

Specifications & Recommendations

- Compatible with heavy-walled driplines (HWD)
- UniRam™, DripNet PC™ and Aries™ HWD
- Wall thickness: $\geq 0.9\text{mm}$
- Diameter: 12mm-20mm

Note: unsuitable for Aries™ driplines with flow rates of $\geq 4.0\text{ l/h}$

- Chemical and UV-resistant for extended durability
- Colored light Gray



→ LOGISTIC INFORMATION

CATALOG NUMBER	DESCRIPTION	QUANTITY PER BOX (UNITS)	BOX DIMENSIONS (MM)	BOX WEIGHT (KG)	BOXES PER PALLET
32000-010960	DR. ZIP	3,300	354*354*232	3.1	36

→ COMPLEMENTARY PRODUCTS

The Dr. Zip can be connected to the micro-tube with one of the following Netafim™ adapters (to be ordered separately):

PRODUCT ILLUSTRATION	PRODUCT NAME	DESCRIPTION	FUNCTIONALITY	UNITS	CATALOG NUMBER
	ELBOW ADAPTER BARB 3 X 5	INLET: FEMALE PRESS-FIT COLORED BLACK	FOR CORRECT CUSTOMIZED INSTALLATION	1 UNIT	32000-002520
				50 UNITS/BAG	32000-002525
				3000 UNITS/BAG	
	ELBOW ADAPTER BARB 3 X 5	INLET: FEMALE PRESS-FIT COLORED GRAY	FOR CORRECT CUSTOMIZED INSTALLATION	1 UNIT	32000-002526
				50 UNITS/BAG	
				3000 UNITS/BAG	
	FLAT MANIFOLD 2 OUTLETS 3 X 5	INLET: FEMALE PRESS-FIT COLORED BLACK	TO DISTRIBUTE WATER TO 2 DIFFERENT POINTS	1 UNIT	32000-002530
				50 UNITS/BAG	32000-002537
				100 UNITS/BAG	32000-002538
	FLAT MANIFOLD 2 OUTLETS 3 X 5	INLET: FEMALE PRESS-FIT COLORED GRAY	TO DISTRIBUTE WATER TO 2 DIFFERENT POINTS	1 UNIT	32000-002550
				50 UNITS/BAG	
				100 UNITS/BAG	
	FLAT MANIFOLD 4 OUTLETS 3 X 5	INLET: FEMALE PRESS-FIT COLORED BLACK	TO DISTRIBUTE WATER TO 4 DIFFERENT POINTS	1 UNIT	32000-002560
				50 UNITS/BAG	32000-002567
				100 UNITS/BAG	32000-002570
	FLAT MANIFOLD 4 OUTLETS 3 X 5	INLET: FEMALE PRESS-FIT COLORED GRAY	TO DISTRIBUTE WATER TO 4 DIFFERENT POINTS	1 UNIT	32000-002590
				50 UNITS/BAG	
				100 UNITS/BAG	
	FLAT MANIFOLD 4 OUTLETS 3 X 5 WITH NIPPLE	INLET: FEMALE PRESS-FIT COLORED BLACK	TO DISTRIBUTE WATER TO 5, 6 OR 8 DIFFERENT POINTS (WITH ADDITIONAL MANIFOLD)	1 UNIT	32000-002580
				50 UNITS/BAG	32000-002587
				100 UNITS/BAG	32000-002589
	FLAT MANIFOLD 4 OUTLETS 3 X 5 WITH NIPPLE	INLET: FEMALE PRESS-FIT COLORED GRAY	TO DISTRIBUTE WATER TO 5, 6 OR 8 DIFFERENT POINTS (WITH ADDITIONAL MANIFOLD)	1 UNIT	32000-002450
				50 UNITS/BAG	
				100 UNITS/BAG	
	UPRIGHT MANIFOLD 4 OUTLETS 3 X 5	INLET: FEMALE PRESS-FIT COLORED BROWN	TO DISTRIBUTE WATER TO 4 DIFFERENT POINTS	1 UNIT	32000-002400
				50 UNITS/BAG	32000-002420
				100 UNITS/BAG	32000-002430
	MICRO-TUBE ADAPTER 3 X 5	OUTLET: BARB 3 X 5 INLET: PRESS-FIT	TO CONNECT A DRIPPER NIPPLE OUTLET TO A MICRO-TUBE 3 X 5	1 UNIT	32000-001950
				50 UNITS/BAG	
				100 UNITS/BAG	
	MICRO-TUBE ADAPTER 3 X 5	OUTLET: BARB 3 X 5 INLET: PRESS-FIT COLORED BROWN	TO CONNECT A DRIPPER NIPPLE OUTLET TO A MICRO-TUBE 3 X 5	1 UNIT	32000-002000
				50 UNITS/BAG	32000-002010
				100 UNITS/BAG	32000-002020
	MICRO-TUBE ADAPTER 4 X 7	OUTLET: BARB 4 X 7 INLET: PRESS-FIT	TO CONNECT A DRIPPER NIPPLE OUTLET TO A MICRO-TUBE 4 X 7	1 UNIT	32000-002100
				50 UNITS/BAG	32000-002115
				100 UNITS/BAG	32000-002130

Missing catalog numbers available upon request.

Accessories Tools

SPIKES

EASY-TO-USE BARB CONNECTOR-TO-MICRO-TUBE SPIKES

Featuring a barb connector at one end into which a micro-tube is securely inserted.

Our spikes ensure accurately targeted irrigation.

PRODUCT ILLUSTRATION	PRODUCT NAME	FUNCTIONALITY	UNITS	CATALOG NUMBER
	SPIKE FOR 3 X 5 MICRO-TUBE	PRECISE POSITIONING OF MICRO-TUBE (HEIGHT 14.3 CM)	1 UNIT	32000-001801
			50 UNITS/BAG	
			100 UNITS/BAG	
	SPIKE FOR 3 X 5 MICRO-TUBE	PRECISE POSITIONING OF MICRO-TUBE (HEIGHT 14.3 CM) COLORED GRAY	1 UNIT	32000-001830
			50 UNITS/BAG	
			100 UNITS/BAG	
	SHORT SPIKE FOR 3 X 5 MICRO-TUBE	PRECISE POSITIONING OF MICRO-TUBE (HEIGHT 10.3 CM)	1 UNIT	32000-001740
			50 UNITS/BAG	
			100 UNITS/BAG	
	SHORT SPIKE FOR 3 X 5 MICRO-TUBE	PRECISE POSITIONING OF MICRO-TUBE (HEIGHT 10.3 CM) COLORED GRAY	1 UNIT	32000-001835
			50 UNITS/BAG	
			100 UNITS/BAG	

STAKES

EASY-TO-USE MICRO-TUBE STABILIZATION STAKES

Featuring a clamp-like end into which a micro-tube is inserted.

Our stabilization stakes ensure accurately targeted irrigation.

PRODUCT ILLUSTRATION	PRODUCT NAME	DESCRIPTION	FUNCTIONALITY	UNITS	CATALOG NUMBER
	MINI STAKE FOR CAPINET™ DRIPPER		PRECISE POSITIONING OF CAPINET™	1 UNIT	
				50 UNITS/BAG	
				3000 UNITS/BAG	32000-006860
	MINI STAKE FOR CAPINET™ DRIPPER	COLORED GRAY	PRECISE POSITIONING OF CAPINET™	1 UNIT	
				50 UNITS/BAG	
				3000 UNITS/BAG	32000-006880
	STAKE FOR 8 MM OD TUBE 3 X 5	COLORED BROWN	TO FIX POSITION OF PIPE (HEIGHT 11 CM)	1 UNIT	32500-002150
				50 UNITS/BAG	32500-002162
				100 UNITS/BAG	32500-002170
	METAL STABILIZER		4 MM (HEIGHT 14 CM)	1 UNIT	32000-001600
				50 UNITS/BAG	
				100 UNITS/BAG	
	STAKE FOR OD TUBE 16 & 17 MM		TO FIX POSITION OF PIPE (HEIGHT 15 CM)	1 UNIT	32000-006550
				50 UNITS/BAG	32000-006562
				100 UNITS/BAG	32000-006570
	STAKE FOR OD TUBE 16 & 17 MM	COLORED BROWN	TO FIX POSITION OF PIPE (HEIGHT 15 CM)	1 UNIT	32000-006600
				50 UNITS/BAG	32000-006020
				100 UNITS/BAG	32000-006030
	STAKE FOR OD TUBE 20 MM		TO FIX POSITION OF PIPE (HEIGHT 15 CM)	1 UNIT	32000-006700
				50 UNITS/BAG	32000-006720
				100 UNITS/BAG	32000-006730
	"C" STAKE 5 & 7 MM		TO STABILIZE THE MICRO-TUBE, POT, BUTTON, PC OR PCJ DRIPPER IN ITS PLACE. ADAPTABLE TO 3 X 5 & 4 X 7 MICRO-TUBES. (HEIGHT 10 CM)	1 UNIT	32000-001500
				50 UNITS/BAG	32000-001520
				100 UNITS/BAG	32000-001540
	"C" STAKE 5 & 7 MM	COLORED GRAY	TO STABILIZE THE POT, BUTTON, PC OR PCJ DRIPPER IN ITS PLACE. ADAPTABLE TO 3 X 5 & 4 X 7 MICRO-TUBES. (HEIGHT 10 CM)	1 UNIT	32000-001570
				50 UNITS/BAG	
				100 UNITS/BAG	
	MICRO-TUBE WEIGHT		TO STABILIZE THE 3 X 5 MICRO-TUBE	1 UNIT	32000-002200
				50 UNITS/BAG	
				100 UNITS/BAG	

HAND TOOLS

→ TOOLS PUNCHES

PUNCH 16 - 20 MM OD

	PRODUCT DESCRIPTION	This model provides the easiest means of holding PE pipes for fitting drippers and/or accessories. The hole is always in the center of the pipe and there is no danger of cutting through to the other side of the pipe. Absolutely safe to use – the blade retracts fully after use to protect the worker. When used with larger pipes, the slide adapter is easily removed and stored in the place provided for it.
	HOLE	3 MM DIAM.
	CATALOG NUMBER	45000-001600

PUNCH 2532- MM OD

	PRODUCT DESCRIPTION	This model provides the easiest means of holding PE pipes for fitting drippers and/or accessories. The hole is always in the center of the pipe and there is no danger of cutting through to the other side of the pipe. Absolutely safe to use – the blade retracts fully after use to protect the worker. When used with larger pipes, the slide adapter is easily removed and stored in the place provided for it.
	HOLE	3 MM DIAM.
	CATALOG NUMBER	45000-001615

MULTI DIAM. PUNCH

	PRODUCT DESCRIPTION	The spiral penetration of the blade into the pipe facilitates the operation, thus thousands of holes can be punched in a short time. By turning the button at the base of the tool, the size can be adjusted between 12mm to 32mm to accommodate the desired pipe.
	HOLE	3 MM DIAM.
	CATALOG NUMBER	45000-001630

MINI PUNCH

	PRODUCT DESCRIPTION	A small punch suitable for private garden owners
	HOLE	3 MM DIAM.
	CATALOG NUMBER	45000-001530

PLASTIC PUNCH

	PRODUCT DESCRIPTION	A reliable and strong plastic punch designed with a comfortable grip handle. Extra feature – a specially designed insertion adapter can be mounted onto this tool.
	HOLE	3 MM DIAM.
	CATALOG NUMBER	45000-001300

PLASTIC PUNCH + INSERTER

	PRODUCT DESCRIPTION	A reliable and strong plastic punch designed with a comfortable grip handle. Extra feature – a specially designed insertion adapter
	HOLE	3 MM DIAM.
	CATALOG NUMBER	45000-001320

METAL PUNCH

	PRODUCT DESCRIPTION	A reliable and strong metal punch
	HOLE	3,8 MM DIAM.
	CATALOG NUMBER	45000-001000 3MM, 45000-001400 8MM

ANDLE TOOL FOR PCJ SELF PIERCING

	PRODUCT DESCRIPTION	A TOOL FOR INSERTING PCJ SELF PIERCING DRIPPERS
	HOLE	3 MM DIAM.
	CATALOG NUMBER	45000-001390

→ TOOLS CONNECTOR INSERTION

PUNCH 16 - 20 MM OD

	PRODUCT DESCRIPTION	A tool for inserting connector components into micro tubes. The ideal solution for inserting connector components, drippers or start connectors into 3*5 mm. micro tube. This tool is suitable for greenhouse and nursery installations, gardeners, garden owners, garden contractors and agriculturalists. By turning the drum the correct hole for the connector can be aligned with the groove in the grips, the piping and connector are placed in position and by a swift squeeze of the handle the connector is pushed firmly into the piping.
	HOLE	3 x 5 MM. MICRO TUBE
	CATALOG NUMBER	45000-002260, FOR 4X6.5 MICRO TUBE USE: 45000-002270

→ TOOLS DRIPPER INSERTION

PCJ DRIPPER INSERTION TOOL

	PRODUCT DESCRIPTION	Auxiliary tool designed for insertion of PCJ drippers into distributor pipes with different diams in one act (no punching is required). There is no need for punching prior to insertion. Easy to operate and allows continuous work and multiple installations without blade replacement. The product is designed mainly to help farmer and/or installer with the installation of multiple drippers in greenhouses and/ or orchards.
	HOLE	ANY DISTRIBUTOR PIPE DIAM. (16-20-25-32MM).
	CATALOG NUMBER	45000-001380

→ TOOLS MULTI-FUNCTIONAL

MULTI-FUNCTIONAL TOOL

	PRODUCT DESCRIPTION	The tool is small and compact, comfortable and easy to use, efficient, time saving and safe to operate. Punches 3 mm and 4 mm holes, cuts piping from 5 mm to 20 mm to required length, inserts drippers and sprinklers, inserts spaghetti piping with connector into the main pipe, inserts connector components and woodpecker plugs, and easily holds start connectors for inserting into a pipe.
	HOLE	3 AND 4 MM. DIAM. (INCLUDE 2 BLADES)
	CATALOG NUMBER	45000-001370

→ LAYFLAT IN-FIELD START CONNECTOR TOOLS PUNCH

17 MM PUNCH FOR LAYFLAT START CONNECTORS

	PRODUCT DESCRIPTION	This is a small efficient tool with a special geometrically constructed cutting blade that significantly facilitates the holing of the layflat hose. The tool is light weight, compact and strong, and easy to hold in the palm of the hand. The waste plastic does not fall into the hose and is discharged from the tool.
	HOLE	LAYFLAT HOSE
	CATALOG NUMBER	45000-001560

→ LAYFLAT IN-FIELD START CONNECTOR TOOLS SECURE TOOL

HEXAGONAL SECURE TOOL 3/8"

	PRODUCT DESCRIPTION	Hexagonal secure tool for layflat start connectors designed for 16-17 mm driplines
	HOLE	LAYFLAT START CONNECTORS
	CATALOG NUMBER	45000-003290

HEXAGONAL SECURE TOOL 1/2"

	PRODUCT DESCRIPTION	Hexagonal secure tool 1/2" for layflat start connectors connectors designed for 20-22 mm driplines .
	HOLE	LAYFLAT START CONNECTORS
	CATALOG NUMBER	45000-003280

→ LAYFLAT IN-FIELD START CONNECTOR TOOLS TIGHTNER

TIGHTENER TOOL

	PRODUCT DESCRIPTION	A special tool to tighten the connector against the hexagonal tool will enable the installer to exert greater force while closing and thus assemble the layflat start connector properly.
	HOLE	LAYFLAT START CONNECTORS
	CATALOG NUMBER	45000-003260

→ FLEXNET™ IN-FIELD START CONNECTOR TOOLS PUNCH

20 MM PUNCH FOR FLEXNET™ START CONNECTORS

	PRODUCT DESCRIPTION	This is a small efficient tool with a special geometrically constructed cutting blade that significantly facilitates the holing of the FlexNet™ hose. The tool is light weight, compact and strong, and easy to hold in the palm of the hand. The waste plastic does not fall into the hose and is discharged from the tool.
	HOLE	FLEXNET™
	CATALOG NUMBER	45000-001570

→ FLEXNET™ IN-FIELD START CONNECTOR TOOLS HEXAGONAL FASTENER

HEXAGONAL FASTENER TOOL ½"

	PRODUCT DESCRIPTION	Hexagonal fastener tool ½" for FlexNet™ start connectors.
	HOLE	FLEXNET™ START CONNECTORS
	CATALOG NUMBER	45000-003280

→ FLEXNET™ IN-FIELD START CONNECTOR TOOLS TIGHTNER

TIGHTNER TOOL

	PRODUCT DESCRIPTION	A special tool to tighten the connector against the hexagonal tool will enable the installer to exert greater force while closing and thus assemble the FlexNet™ start connector properly.
	HOLE	FLEXNET™ START CONNECTORS
	CATALOG NUMBER	45000-001670

/ Micro-Sprinklers

SuperNet™ JET

JET IRRIGATION

For harsh water containing large amount of sand.



Pressure
Compensated



Jet Deflector
Technology



Higher Reliability &
Longevity

Applications



Under Tree
Irrigation

Benefits & Features

Ensures higher crop uniformity

- ✓ Thanks to a unique design of pressure compensation mechanism and special design of the sprinkler swivel and water channel

Achieves optimal results in a varied topography area

- ✓ With a unique pressure compensated mechanism, the SuperNet™ JET ensures uniform water and nutrient distribution around the tree, regardless of sprinkler's inlet pressures (within pressure range)

Reduced maintenance and higher reliability & longevity

- ✓ The static Jet deflector technology is designed for harsh water containing large amount of sand thus causing excessive wear of the standard dynamic swivel
- ✓ The water passage area is 30% larger (depending on the flow rate) than industry standard eliminates clogging issues
- ✓ Anti-ant mechanism keeps the swivel closed and prevents insect penetration into the area of the micro sprinkler nozzle
- ✓ Special row materials made the SuperNet resistant to all agrochemicals & weather conditions

Specs. & Recommendations

- JET is a static deflector for irrigation with harsh water conditions
- **7 different flow rates:** 30, 35, 40, 50, 58, 70, 90, l/h. (Flow rates within Pressure range)
- **Pressure range:** 1.5-4.0 bar
- **5 types of inlet connectors:** Barb, Self-tapping, Press fit, 3/8", 1/2" male threaded
- **Special upper bearing:**
STUB = Square hole upper bearing, holds the deflector from spinning"
- **6 types of static deflectors:**
360 degrees (12 jets), 300 degrees (10 Jets), 2x90 (butterfly)
(8 jets), 180 degrees (6 jets), 90 degrees (4 jets), FS flat spray deflector"
- JET deflector color for all flow rates is Orange
- The regulation chamber is color coded for easy identification of the flow rate
- Conformity with ISO8026 standards (SI 1406)
- **Recommended filtration*:** 200 mic./80 mesh

*Note: Filtration method shall be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100 ppm, pre-treatment shall be applied according to Netafim™ instructions

→ TECHNICAL DATA

MODEL	FLOW RATE (L/H)*	REGULATION CHAMBER CODE COLOR	NOZZLE SIZE (MM)	WORKING PRESSURE RANGE (BAR)	WETTED RADIUS (M) 20 CM ABOVE GROUND						DEFLECTOR CODE COLOR
					360 DEGREES - 12 JETS	300 DEGREES - 10 JETS	BUTTERFLY - 2*4 JETS	180 DEGREES - 6 JETS	90 DEGREES - 4 JETS	FLAT SPRAY	
030	30	BROWN	1.14	1.5 - 4.0	1.9	1.7	1.7	2.8	2.2	1.6	ORANGE
035	35	LIGHT BLUE	1.20	1.5 - 4.0	2.3	2.2	2.0	2.8	2.3	1.7	ORANGE
040	40	BLUE	1.28	1.5 - 4.0	2.7	2.7	2.2	2.8	2.4	2.0	ORANGE
050	50	GREEN	1.43	1.5 - 4.0	2.8	2.7	2.2	2.8	2.6	N/A	ORANGE
058	58	GRAY	1.55	1.5 - 4.0	2.8	2.9	2.5	3.1	2.9	N/A	ORANGE
070	70	BLACK	1.73	1.5 - 4.0	2.9	2.9	2.5	3.1	2.9	N/A	ORANGE
090	90	ORANGE	1.74	1.5 - 4.0	2.9	2.9	2.5	3.1	2.9	N/A	ORANGE

* within working pressure range

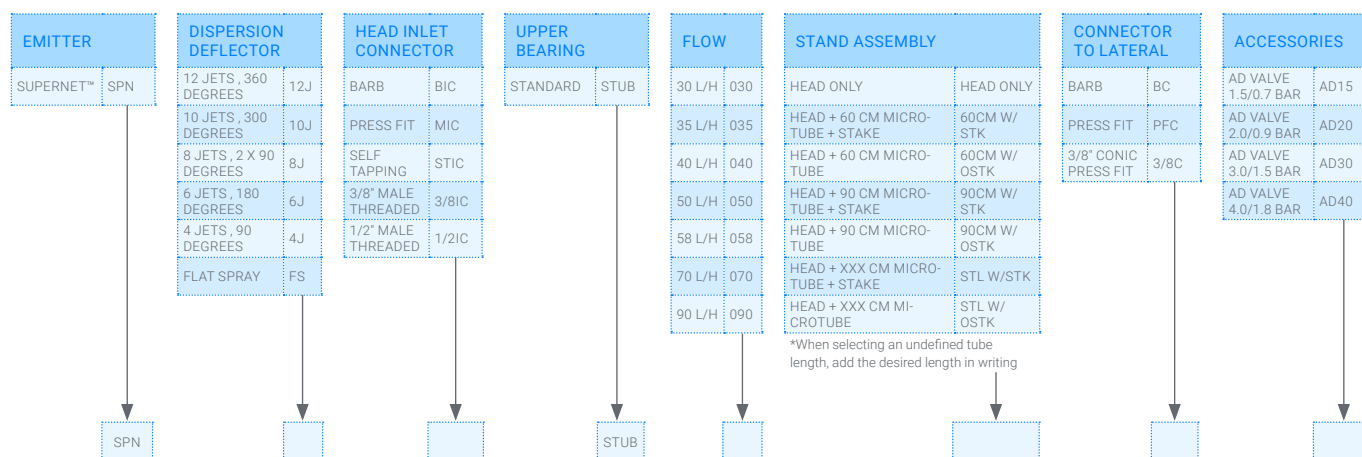
→ PACKAGING DATA

SUPERNET™ JET	QTY. P/BOX UNITS	BOX SIZE (CM X CM X CM)	BOX WEIGHT (KG)	BOXES P/PALLET	TOTAL UNITS P/PALLET	PALLET WEIGHT (KG)
HEAD ONLY	500	28 X 28 X 57	10.1	32	16000	335
COMPLETE STAND , 60 CM MICRO TUBE LENGTH ,W/STAKE	100	18 X 34 X 79	8.3	20	2000	178
COMPLETE STAND , 60 CM MICRO TUBE LENGTH ,W/O STAKE	200	18 X 34 X 79	7.5	20	4000	162
COMPLETE STAND , 90 CM MICRO TUBE LENGTH ,W/STAKE	100	28 X 27 X 113	7.1	16	1600	124
COMPLETE STAND , 90 CM MICRO TUBE LENGTH ,W/O STAKE	200	28 X 27 X 113	6.7	16	3200	117

→ ORDERING INFORMATION

Flowchart to determine the desired product definition

How to use: To determine the desired product definition select one of every set of options displayed on the chart.



→ CATALOG NUMBERS FOR SuperNet™ JET



MODEL	BIC (BARB INLET CONNECTOR)	STIC (SELF TAPPING INLET CONNECTOR)	MIC (MALE PRESS-FIT INLET CONNECTOR)
12 JET, HEAD ONLY WITH STANDARD UPPER BEARING			
030		63500-096250	63500-124800
035	63500-044710	63500-096910	63500-125200
040	63500-045550	63500-097550	63500-125800
050		63500-098850	63500-126400
058		63500-100150	
070	63500-049450	63500-101450	63500-127600
090	63500-050750	63500-102750	
10 JET , HEAD ONLY WITH STANDARD UPPER BEARING			
030			
035	63500-044715		63500-125610
040		63500-097555	
050			63500-126410
058			
070	63500-049455		
090			
8 (2*90) JET , HEAD ONLY WITH STANDARD UPPER BEARING			
030	63500-044260	63500-096260	63500-124620
035		63500-096920	
040	63500-045560	63500-097560	
050			63500-126420
058			
070	63500-049460	63500-101475	
090			
6 JET , HEAD ONLY WITH STANDARD UPPER BEARING			
030		63500-096270	
035	63500-044730	63500-096930	63500-125650
040	63500-045570	63500-097570	63500-125850
050	63500-046870		63500-126430
058	63500-048170	63500-100170	
070	63500-049470	63500-101470	63500-127640
090	63500-050770	63500-102770	
4 JET , HEAD ONLY WITH STANDARD UPPER BEARING			
030		63500-096265	63500-124640
035	63500-044725		
040	63500-045565	63500-097565	63500-125840
050	63500-046865	63500-098875	63500-126425
058			
070	63500-049465	63500-101465	63500-127630
090		63500-102765	
FS (FLAT SPRAY) HEAD ONLY WITH STANDARD UPPER BEARING			
030			
035	63500-199000	63500-197000	63500-198000
040			

Missing catalog numbers available upon request

→ CATALOG NUMBERS FOR SuperNet™ JET ASSEMBLY STANDS

MODEL	030	035	040	050	058	070	090
SPNJET 12J BIC XXX 60CM W/STK BC			63500-045950				63500-051150
SPNJET 12J STIC XXX 60CM W/STK BC	63500-096310	097020	63500-097950	63500-099250			
SPNJET 12J MIC XXX 60CM W/STK BC							
SPNJET 12J BIC XXX 60CM W/STK PFC							
SPNJET 12J STIC XXX 60CM W/STK PFC							
SPNJET 12J MIC XXX 60CM W/STK PFC							
SPNJET 10J BIC XXX 60CM W/STK BC							
SPNJET 10J STIC XXX 60CM W/STK BC							63500-104010
SPNJET 10J MIC XXX 60CM W/STK BC							
SPNJET 10J BIC XXX 60CM W/STK PFC							
SPNJET 10J STIC XXX 60CM W/STK PFC							
SPNJET 10J MIC XXX 60CM W/STK PFC							
SPNJET 8J BIC XXX 60CM W/STK BC	63500-044267						
SPNJET 8J STIC XXX 60CM W/STK BC							
SPNJET 8J MIC XXX 60CM W/STK BC							
SPNJET 8J BIC XXX 60CM W/STK PFC							
SPNJET 8J STIC XXX 60CM W/STK PFC							
SPNJET 8J MIC XXX 60CM W/STK PFC							
SPNJET 6J BIC XXX 60CM W/STK BC				63500-046890			
SPNJET 6J STIC XXX 60CM W/STK BC							
SPNJET 6J MIC XXX 60CM W/STK BC							
SPNJET 6J BIC XXX 60CM W/STK PFC							
SPNJET 6J STIC XXX 60CM W/STK PFC			63500-097590				
SPNJET 6J MIC XXX 60CM W/STK PFC	63500-124635						
SPNJET 4J BIC XXX 60CM W/STK BC							
SPNJET 4J STIC XXX 60CM W/STK BC							
SPNJET 4J MIC XXX 60CM W/STK BC							
SPNJET 4J BIC XXX 60CM W/STK PFC							
SPNJET 4J STIC XXX 60CM W/STK PFC			63500-097567				
SPNJET 4J MIC XXX 60CM W/STK PFC							
SPNJET 12J BIC XXX 60CM W/OSTK BC	63500-044273		63500-045750				
SPNJET 12J STIC XXX 60CM W/OSTK BC			63500-097750				
SPNJET 12J MIC XXX 60CM W/OSTK BC				63500-126500			
SPNJET 12J BIC XXX 60CM W/OSTK PFC							
SPNJET 12J STIC XXX 60CM W/OSTK PFC	63500-096300	63500-097000	63500-097700	63500-099000	63500-100250	63500-101550	63500-102850
SPNJET 12J MIC XXX 60CM W/OSTK PFC							
SPNJET 10J BIC XXX 60CM W/OSTK BC							
SPNJET 10J STIC XXX 60CM W/OSTK BC	63500-096350			63500-096340			
SPNJET 10J MIC XXX 60CM W/OSTK BC							
SPNJET 10J BIC XXX 60CM W/OSTK PFC							
SPNJET 10J STIC XXX 60CM W/OSTK PFC							
SPNJET 10J MIC XXX 60CM W/OSTK PFC							
SPNJET 6J BIC XXX 60CM W/OSTK BC			63500-045573				
SPNJET 6J STIC XXX 60CM W/OSTK BC							
SPNJET 6J MIC XXX 60CM W/OSTK BC							
SPNJET 6J BIC XXX 60CM W/OSTK PFC							
SPNJET 6J STIC XXX 60CM W/OSTK PFC							
SPNJET 6J MIC XXX 60CM W/OSTK PFC							

Missing catalog numbers available upon request.

Background color defines the code color of the respective deflector. All assembly stands include 4*6.5 mm black SPE micro-tube.

Other stand combinations can be ordered based on the attached flowchart which can help determine the desired product requirement.

SuperNet™ SR & SRD

SHORT RANGE & SHORT RANGE WITH DEFLECTOR

Irrigation of tree plantations, and orchards where ground is shaded by the foliage, leaving dry strips between the rows.



Pressure
Compensated



Reduces
Maintenance



Higher Reliability &
Longevity

Applications



Under Tree
Irrigation



Orchards Frost
Mitigation



Orchards
Cooling

/ Benefits & Features

Ensures higher crop uniformity

- ✓ Thanks to a unique design of pressure compensation mechanism and special design of the sprinkler swivel and water channel

Achieves optimal results in a varied topography area

- ✓ With a unique pressure compensated mechanism, the SuperNet™ SR & SRD ensures uniform water and nutrient distribution around the tree, regardless of sprinkler's inlet pressures (within pressure range)

Reduced maintenance and higher reliability & longevity

- ✓ The water passage area is 30% larger (depending on the flow rate) than industry standard eliminates clogging issues
- ✓ Anti-ant mechanism preventing insect penetration into the area of the micro sprinkler nozzle
- ✓ Special row materials made the SuperNet™ resistant to all agrochemicals & weather conditions

***Note:** Filtration method shall be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100 ppm, pre-treatment shall be applied according to Netafim™ instructions

/ Specs. & Recommendations

- SR is a dynamic swivel irrigating a Short Range area
- SRD, Middle Range with Deflector. The stream deflector concentrates all the water in the area close to the young tree, and it can be broken, allowing for extended irrigation diameter
- **9 different flow rates:** 20, 30, 35, 40, 50, 58, 70, 90, 110 l/h. Flow rates within Pressure range
- **Pressure range:** 1.5-4.0 bar
- **5 types of inlet connectors:** Barb, Self-tapping, Press fit, 3/8", 1/2" male threaded
- **4 types of upper bearing:**
Standard = STUB - for normal water
Everspin™ = ESUB - for harsh conditions
Spring = SPUB, for upside-down installation
Everspin+Spring = SPES
- SR swivel color for all flow rates is Blue
- The regulation chamber is color coded for easy identification of the flow rate
- Conformity with ISO8026 standards (SI 1406)
- **Recommended filtration*:** 200 mic./80 mesh

→ TECHNICAL DATA

MODEL	FLOW RATE (L/H)*	REGULATION CHAMBER CODE COLOR	NOZZLE SIZE (MM)	WORKING PRESSURE RANGE (BAR)	CONSTANT K	EXPONENT* X	WETTED DIAMETER (M)		SWIVEL (ROTOR) CODE COLOR
							SR MODEL 20 CM ABOVE GROUND	SRD MODEL 20 CM ABOVE GROUND	
020	20	PURPLE	0.89	1.5 - 4.0	20	0	2.5	1.8	BLUE
030	30	BROWN	1.14	1.5 - 4.0	30	0	3.5	1.8	BLUE
035	35	LIGHT BLUE	1.20	1.5 - 4.0	35	0	3.5	1.8	BLUE
040	40	BLUE	1.28	1.5 - 4.0	40	0	3.5	1.8	BLUE
050	50	GREEN	1.43	1.5 - 4.0	50	0	4.5	1.8	BLUE
058	58	GRAY	1.55	1.5 - 4.0	58	0	4.5	1.8	BLUE
070	70	BLACK	1.73	1.5 - 4.0	70	0	5.0	1.8	BLUE
090	90	ORANGE	1.74	1.5 - 4.0	90	0	5.0	2.0	BLUE
110	110	RED	1.70	2.0 - 4.0	110	0	6.5	2.0	BLUE

*within working pressure range

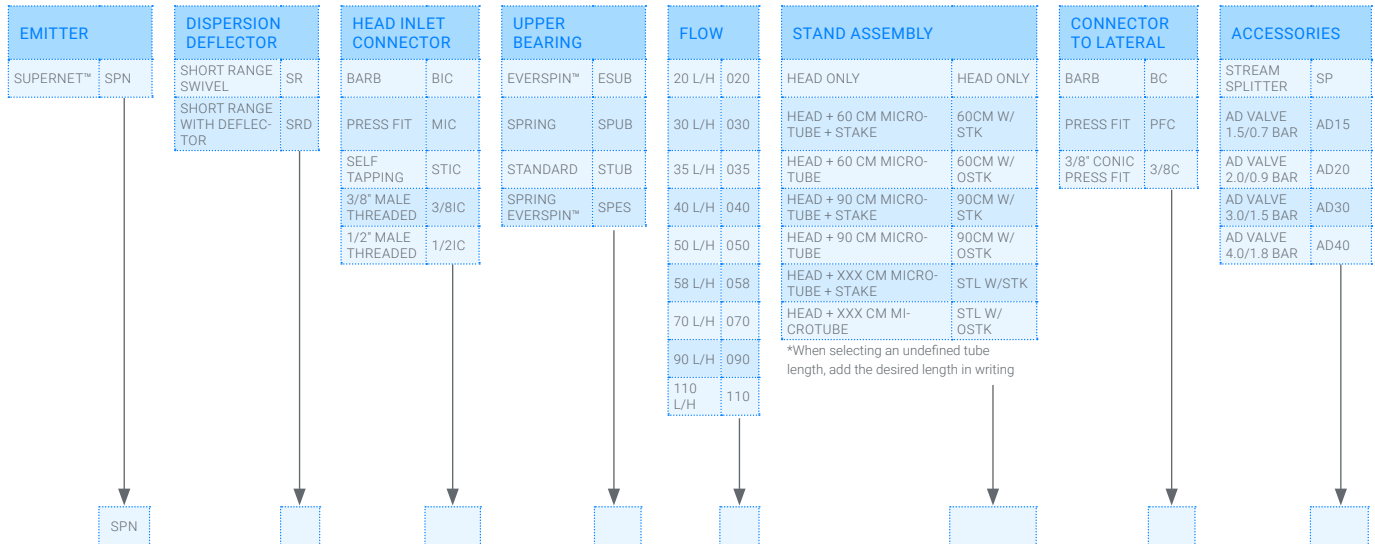
→ PACKAGING DATA

SUPERNET™ SR & SRD	QTY. P/BOX UNITS	BOX SIZE (CM X CM X CM)	BOX WEIGHT (KG)	BOXES P/ PALLET	TOTAL UNITS P/PALLET	PALLET WEIGHT (KG)
HEAD ONLY	500	28 X 28 X 57	10.1	32	16000	335
COMPLETE STAND , 60 CM MICRO TUBE LENGTH ,W/STAKE	100	18 X 34 X 79	8.3	20	2000	178
COMPLETE STAND , 60 CM MICRO TUBE LENGTH ,W/O STAKE	200	18 X 34 X 79	7.5	20	4000	162
COMPLETE STAND , 90 CM MICRO TUBE LENGTH ,W/STAKE	100	28 X 27 X 113	7.1	16	1600	124
COMPLETE STAND , 90 CM MICRO TUBE LENGTH ,W/O STAKE	200	28 X 27 X 113	6.7	16	3200	117

→ ORDERING INFORMATION

Flowchart to determine the desired product definition

How to use: To determine the desired product definition select one of every set of options displayed on the chart.



→ CATALOG NUMBERS FOR SuperNet™ SR



MODEL	BIC (BARB INLET CONNECTOR)	STIC (SELF TAPPING INLET CONNECTOR)	MIC (MALE PRESS-FIT INLET CONNECTOR)	3/8IC	1/2IC
HEAD ONLY WITH STANDARD UPPER BEARING					
020	63500-022150	63500-074150	63500-118500		63500-110050
030	63500-023450	63500-075450	63500-119100		
035		63500-075420	63500-119700	63500-106620	63500-110220
040	63500-024750	63500-016750	63500-120300	63500-106750	63500-110250
050	63500-026050	63500-078050	63500-120900	63500-106850	63500-110350
058	63500-028350	63500-079350	63500-121500	63500-106950	
070	63500-028650	63500-080650	63500-122100	63500-107050	63500-110550
090	63500-029950	63500-081950	63500-122700		63500-110650
110	63500-031250	63500-083250	63500-123300		
HEAD ONLY WITH EVERSIN™ UPPER BEARING					
020		63500-074152			
030		63500-075455			
035		63500-063800		63500-106630	
040		63500-076760			63500-110255
050	63500-026060	63500-078060	63500-120306		
058		63500-079360			
070		63500-080660		63500-106970	63500-110610
090		63500-081960		63500-107160	63500-110660
110					63500-110710
HEAD ONLY WITH SPRING UPPER BEARING					
020					
030	63500-023455	63500-075451	63500-119103		
035	63500-023456	63500-075421	63500-119705		
040	63500-024755	63500-076755	63500-120303		
050	63500-026055	63500-078055	63500-120910		
058	63500-027355	63500-079355	63500-121510		
070	63500-028655	63500-080655			
090	63500-029955	63500-081970	63500-122715		
110	63500-031260				

Missing catalog numbers available upon request

→ CATALOG NUMBERS FOR SuperNet™ SR ASSEMBLY STANDS

MODEL	020	030	035	040	050	058	070	090	110
SPN SR STIC STUB XXX 60CM W/STK BC		63500-075850	63500-075425		63500-078450		63500-081050		63500-083650
SPN SR STIC STUB XXX 60CM W/STK PFC			63500-075440						
SPN SR MIC STUB XXX 60CM W/STK BC	63500-113830								
SPN SR MIC STUB XXX 60CM W/STK PFC									
SPN SR BIC STUB XXX 60CM W/STK BC	63500-022550	63500-023850		63500-025150	63500-026450	63500-027750	63500-029050		63500-031650
SPN SR BIC STUB XXX 60CM W/STK PFC				63500-025180				63500-030250	
SPN SR STIC STUB XXX 90CM W/STK BC			63500-075430	63500-077550					
SPN SR STIC STUB XXX 90CM W/STK PFC									
SPN SR MIC STUB XXX 90CM W/STK BC									
SPN SR MIC STUB XXX 90CM W/STK PFC									
SPN SR BIC STUB XXX 90CM W/STK BC	63500-022950	63500-024250		63500-025610					
SPN SR BIC STUB XXX 90CM W/STK PFC									
SPN SR STIC STUB XXX 60CM W/OSTK BC			63500-075427	63500-076950	63500-078250		63500-080850		
SPN SR STIC STUB XXX 60CM W/OSTK PFC									
SPN SR MIC STUB XXX 60CM W/OSTK BC					63500-115655				
SPN SR MIC STUB XXX 60CM W/OSTK PFC									
SPN SR BIC STUB XXX 60CM W/OSTK BC	63500-022350	63500-023650	63500-023430			63500-027550	63500-028850		
SPN SR BIC STUB XXX 60CM W/OSTK PFC		63500-023740							
SPN SR STIC STUB XXX 90CM W/OSTK BC				63500-077350		63500-079950			
SPN SR STIC STUB XXX 90CM W/OSTK PFC									
SPN SR MIC STUB XXX 90CM W/OSTK BC			63500-119720						
SPN SR MIC STUB XXX 90CM W/OSTK PFC									
SPN SR BIC STUB XXX 90CM W/OSTK BC		63500-024260			63500-026650		63500-029250		
SPN SR BIC STUB XXX 90CM W/OSTK PFC									

→ CATALOG NUMBERS FOR SuperNet™ SRD



MODEL	BIC (BARB INLET CONNECTOR)	STIC (SELF TAPPING INLET CONNECTOR)	MIC (MALE PRESS-FIT INLET CONNECTOR)	3/8IC	1/2IC
HEAD ONLY WITH STANDARD UPPER BEARING					
020	63500-033610	63500-085610	63500-118600	63500-107350	
030	63500-033850	63500-085850	63500-119200	63500-107450	
035	63500-033550	63500-084550	63500-119800	63500-107520	
040	63500-035150	63500-087150	63500-120400	63500-107550	63500-111050
050	63500-036450	63500-088450	63500-121000	63500-107650	63500-111150
058	63500-037750	63500-089750	63500-121600	63500-107750	
070	63500-039050	63500-091050	63500-122200	63500-107850	63500-111350
090	63500-040350	63500-092350	63500-122800	63500-107950	63500-111450
110	63500-041830	63500-093650	63500-124000		
HEAD ONLY WITH EVERSPIN™ UPPER BEARING					
020		63500-085615		63500-106570	
030		63500-085855		63500-107460	
035		63500-087110	63500-119810		
040		63500-087160		63500-107560	
050		63500-088460		63500-107660	
058	63500-037760	63500-089760	63500-121610	63500-107760	
070		63500-091060	63500-122210	63500-107860	
090				63500-107960	
110					

→ CATALOG NUMBERS FOR SuperNet™ SRD ASSEMBLY STANDS

MODEL	020	030	035	040	050	058	070	090	110
SPN SRD STIC STUB XXX 60CM W/STK BC		63500-086250	63500-035110	63500-087550	63500-088850		63500-091450	63500-092750	
SPN SRD STIC STUB XXX 60CM W/STK PFC									
SPN SRD MIC STUB XXX 60CM W/STK BC	63500-118655	63500-119265	63500-119870	63500-120470	63500-121010	63500-121615	63500-122270	63500-122870	63500-123470
SPN SRD MIC STUB XXX 60CM W/STK PFC									
SPN SRD BIC STUB XXX 60CM W/STK BC	63500-032950	63500-034250	63500-035120	63500-035550	63500-036850	63500-038150	63500-039450	63500-040750	63500-042050
SPN SRD BIC STUB XXX 60CM W/STK PFC				63500-035630			63500-039350		
SPN SRD STIC STUB XXX 90CM W/STK BC			63500-087120	63500-087950			63500-091850		
SPN SRD STIC STUB XXX 90CM W/STK PFC								63500-092900	63500-094860
SPN SRD MIC STUB XXX 90CM W/STK BC									
SPN SRD MIC STUB XXX 90CM W/STK PFC									
SPN SRD BIC STUB XXX 90CM W/STK BC		63500-034650		63500-035950	63500-037250		63500-039850	63500-041150	63500-042450
SPN SRD BIC STUB XXX 90CM W/STK PFC			63500-035147					63500-042260	
SPN SRD STIC STUB XXX 60CM W/OSTK BC		63500-086050		63500-087350	63500-088650	63500-089950	63500-091250		
SPN SRD STIC STUB XXX 60CM W/OSTK PFC	63500-085620								
SPN SRD MIC STUB XXX 60CM W/OSTK BC	63500-118650	63500-119250	63500-119850	63500-120450	63500-121050	63500-121650	63500-122250	63500-122850	63500-123450
SPN SRD MIC STUB XXX 60CM W/OSTK PFC									
SPN SRD BIC STUB XXX 60CM W/OSTK BC		63500-034050		63500-035350	63500-036650		63500-039250		63500-041850
SPN SRD BIC STUB XXX 60CM W/OSTK PFC		63500-033950							
SPN SRD STIC STUB XXX 90CM W/OSTK BC									
SPN SRD STIC STUB XXX 90CM W/OSTK PFC		63500-086260							
SPN SRD MIC STUB XXX 90CM W/OSTK BC									
SPN SRD MIC STUB XXX 90CM W/OSTK PFC									
SPN SRD BIC STUB XXX 90CM W/OSTK BC				63500-035750					
SPN SRD BIC STUB XXX 90CM W/OSTK PFC									

SuperNet™ SSR

SUPER SHORT RANGE

Designed for permanent application in close proximity to trees.



Pressure
Compensated



Reduces
Maintenance



Higher Reliability &
Longevity

Applications



Under Tree
Irrigation



Orchards Frost
Mitigation



Orchards
Cooling

Benefits & Features

Ensures higher crop uniformity

- ✓ Thanks to a unique design of pressure compensation mechanism and special design of the sprinkler swivel and water channel

Achieves optimal results in a varied topography area

- ✓ With a unique pressure compensated mechanism, the SuperNet™ SSR ensures uniform water and nutrient distribution around the tree, regardless of sprinkler's inlet pressures (within pressure range)

Reduced maintenance and higher reliability & longevity

- ✓ The water passage area is 30% larger (depending on the flow rate) than industry standard eliminates clogging issues
- ✓ Anti-ant mechanism preventing insect penetration into the area of the micro sprinkler nozzle
- ✓ Special row materials made the SuperNet™ resistant to all agrochemicals & weather conditions

***Note:** Filtration method shall be selected based on the type and concentration of the dirt particles contained in the water. Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone shall be installed before the main filter. Wherever sand/ silt/ clay solids exceed 100 ppm, pre-treatment shall be applied according to Netafim™ instructions

Specs. & Recommendations

- SSR is a dynamic swivel irrigating a Super Short Range area
- **3 different flow rates:** 30, 35, 40 l/h. Flow rates within Pressure range
- **Pressure range:** 1.5-4.0 bar
- **5 types of inlet connectors:** Barb, Self-tapping, Press fit, 3/8", 1/2" male threaded
- **2 types of upper bearing:**
Standard = STUB - for normal water
Everspin™ = ESUB - for harsh conditions
- SSR swivel color for all flow rates is Light Green
- The regulation chamber is color coded for easy identification of the flow rate
- Conformity with ISO 8026 standards (SI 1406)
- **Recommended filtration*:**
200 micron / 80 mesh

→ TECHNICAL DATA

MODEL	FLOW RATE (L/H)*	REGULATION CHAMBER CODE COLOR	NOZZLE SIZE (MM)	WORKING PRESSURE RANGE (BAR)	CONSTANT K	EXPONENT* X	WETTED DIAMETER (M)		SWIVEL (ROTOR) CODE COLOR
							SSR MODEL 20 CM ABOVE GROUND	SSR MODEL 300 CM ABOVE GROUND	
030	30	BROWN	1.14	1.5 - 4.0	30	0	2.0	3.0	LIGHT GREEN
035	35	LIGHT BLUE	1.20	1.5 - 4.0	35	0	2.0	3.0	LIGHT GREEN
040	40	BLUE	1.28	1.5 - 4.0	40	0	2.5	3.0	LIGHT GREEN

*within working pressure range

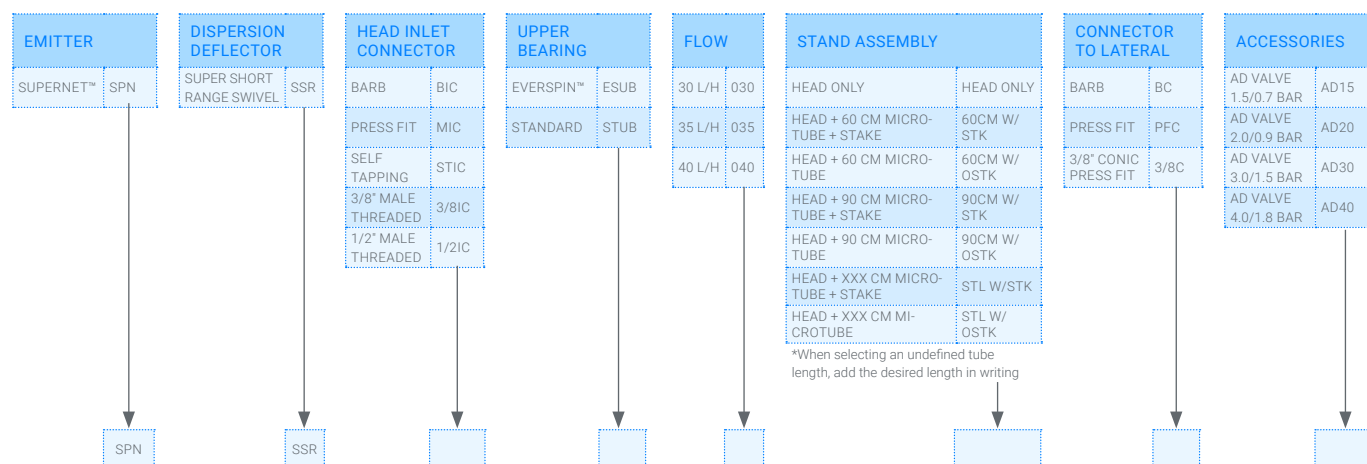
→ PACKAGING DATA

SUPERNET™ SSR	QUANTITY P/BOX UNITS	BOX SIZE (CM X CM X CM)	BOX WEIGHT (KG)	BOXES P/PALLET	TOTAL UNITS P/PALLET	PALLET WEIGHT (KG)
HEAD ONLY	500	28 X 28 X 57	10.1	32	16000	335
COMPLETE STAND , 60 CM MICRO TUBE LENGTH ,W/STAKE	100	18 X 34 X 79	8.3	20	2000	178
COMPLETE STAND , 60 CM MICRO TUBE LENGTH ,W/O STAKE	200	18 X 34 X 79	7.5	20	4000	162
COMPLETE STAND , 90 CM MICRO TUBE LENGTH ,W/STAKE	100	28 X 27 X 113	7.1	16	1600	124
COMPLETE STAND , 90 CM MICRO TUBE LENGTH ,W/O STAKE	200	28 X 27 X 113	6.7	16	3200	117

→ ORDERING INFORMATION

Flowchart to determine the desired product definition

How to use: To determine the desired product definition select one of every set of options displayed on the chart.



→ CATALOG NUMBERS FOR SuperNet™ SSR

MODEL	BIC (BARB INLET CONNECTOR)	STIC (SELF TAPPING INLET CONNECTOR)	MIC (MALE PRESS-FIT INLET CONNECTOR)	3/8IC
HEAD ONLY WITH STANDARD UPPER BEARING				
030	63500-157500	63500-151000		
035			63500-156000	63500-106622
040		63500-152000		63500-106752

Missing catalog numbers available upon request.

Background color defines the code color of the respective swivel.

Stand combinations can be ordered based on the attached flowchart which can help determine the desired product requirement.

VibroNet™ SD

Orchards, deciduous and tree crops irrigation.



Benefits & Features

- ✓ Excellent uniformity distribution as a single emitter
- ✓ Operation of this emitter is based on vibration.
Water passage through the nozzle causes needle vibration which in turn breaks up the water jet into uniform droplets that are evenly spread
- ✓ Large drops suitable for open field conditions. No mist / wind-borne small drops
- ✓ Relatively small wetting diameter, suits especially densely planted fruit tree crops
- ✓ Constantly self-cleaning, the vibrating system does not allow for build up of mineral deposits in the nozzle
- ✓ Micro-emitter made of plastic materials resistant to all agrochemicals & weather conditions

Specifications & Recommendations

- Bridgeless micro emitter with vibrating action
- **Micro-emitter, 3 different flow rates:** 30, 50, 70 l/h
- Nominal flow rates at 1.5 bar pressure
- **Recommended working pressure:** 1.0 - 2.0 bar
- **Recommended filtration:** 130 micron / 120 mesh. Filtration method is to be selected based on the kind and concentration of the dirt particles existing in the water.

Wherever sand exceeding 2 ppm exists in the water, a Hydrocyclone is to be installed before the main filter. When sand/ silt/ clay solids exceed 100 ppm, pre treatment will be applied according to Netafim™ expert team's instructions

- **Inlet connector:** press fit

→ TECHNICAL DATA

MODEL	FLOW RATE (L/H)*	NOZZLE CODE COLOR		PIN CODE COLOR	NOZZLE WATER PASSAGES AREA (MM ²)	NOZZLE SMALLER WATER PASSAGES (MM)	CONSTANT K	EXPONENT X	WETTED DIAMETER (M) 20 CM ABOVE GROUND*
30	28.6	GREEN	SKY BLUE	LIGHT GRAY	0.7	0.34	6.6	0.54	1.5
50	50.5	GREEN	LIGHT GRAY	ORANGE	1.9	0.68	11.7	0.54	1.7
70	72.9	BLACK	BLACK	ORANGE	3.0	0.99	16.9	0.54	2.0

* at 1.5 bar working pressure

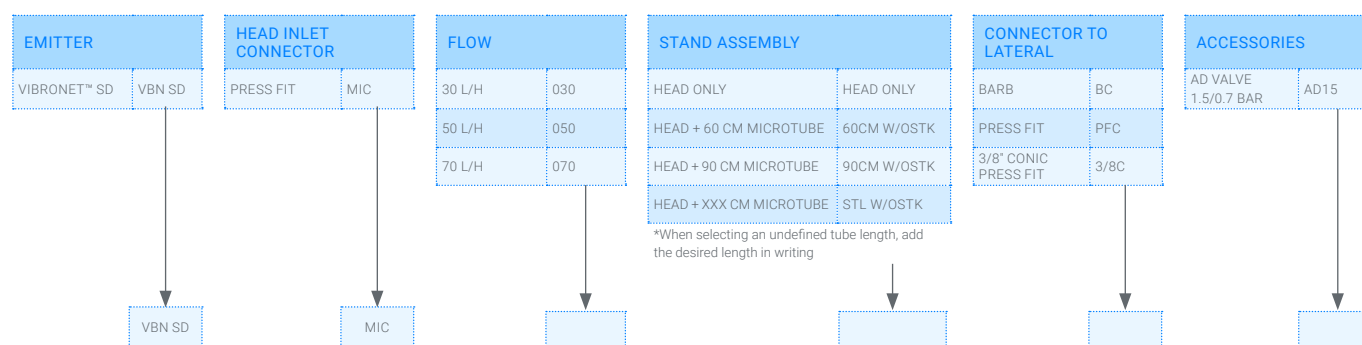
→ PACKAGING DATA

VIBRONET™ SD	QUANTITY P/BOX UNITS	BOX SIZE (CM X CM X CM)	BOX WEIGHT (KG)	BOXES P/PALLET	TOTAL UNITS P/PALLET	PALLET WEIGHT (KG)
HEAD ONLY	3200	28 X 28 X 57	19.2	32	102400	614

→ ORDERING INFORMATION

Flowchart to determine the desired product definition

How to use: To determine the desired product definition select one of every set of options displayed on the chart.



→ CATALOG NUMBERS FOR VibroNet™ SD

MODEL	BIC (BARB INLET CONNECTOR)
HEAD ONLY (WITH MALE INLET CONNECTOR)	
030	64300-010000
050	64300-011000
070	64300-012000

VibroNet™ SD assembly stand (sample)
 VBN SD 70L/H 60CM W/STAKE CLIP BC 64300012100-
 VBN SD 50L/H 60CM W/STAKE CLIP BC 64300011500-

/ Valves

True Union Ball Valves

Physical shut off, manual restrictions, control or service needs in irrigation head controls, field plots, nurseries, greenhouses, nutrigation systems, water conveyance systems.



High
Quality



Ultimate
Durability



Durable
& Reliable

/ Benefits & Features

→ Saves operation costs

A quarter turn shut off valve, threaded or glued socket, user friendly design allowing smooth handle operation

Corrosion resistant and UV stabilized

A true union ball valve, specifically designed for water application and for safe pipe line operation

→ Saves labor costs and multiple investments in maintenance

In the closed position, the pipeline can be disconnected downstream from the valve without any leakage

The valve is removable from the pipeline, allowing quick maintenance

Highly reliable operation and durable over time

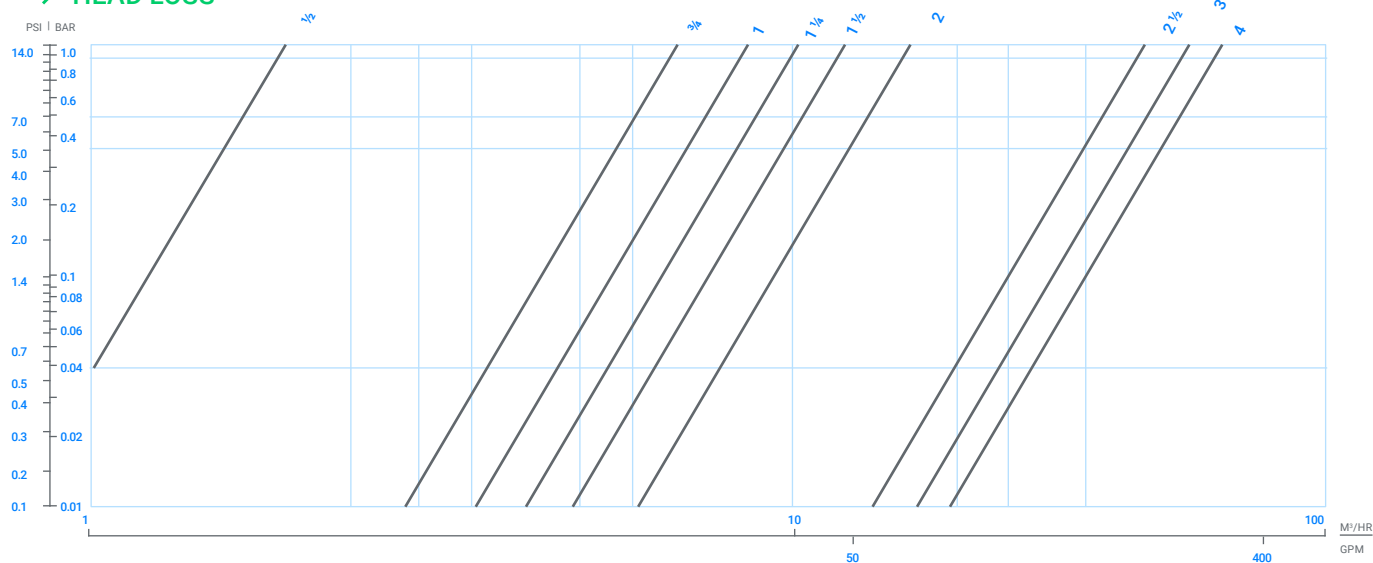
/ Specifications & Recommendations

- Ideal for application in temperature range of -5°C and 50°C, guaranteeing optimal performance in terms of mechanical resistance, good rigidity, low coefficients of thermal expansion and optimal safety factors in service
- Operational up to 10 bar
- Low head losses
- Wide range of connections:
Threaded (BSP or NPT standards) or SG, socket glued (ISO/DIN, ASTM, BS)

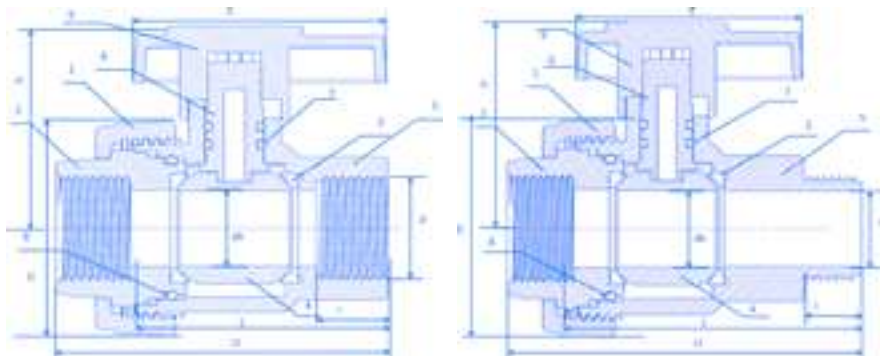
→ PACKAGING DATA

MODEL	QUANTITY P/BOX UNIT	BOX SIZES (CM X CM X CM)	FEMALE-FEMALE THREADED CONNECTION BOX WEIGHT (KG)	MALE-FEMALE THREADED CONNECTION BOX WEIGHT (KG)	SOCKET GLUED CONNECTION BOX WEIGHT (KG)	BOXES P/PALLET
½" - 20MM	150	43.0 X 33.0 X 39.0	24.55	26.00	24.70	12
¾" - 25MM	150		22.11	23.83	22.33	
1" - 32MM	75		17.03	17.74	16.84	
1¼" - 40MM	50		17.54	18.09	17.34	
1½" - 50MM	16		10.91	10.58	10.53	
2" - 63MM	8		8.68	8.90	8.52	
2½" - 75 MM	8		12.08	12.04	11.86	
3" - 90MM	4		15.93	13.09	12.85	
4" - 110MM	2		9.84	9.64	9.84	

→ HEAD LOSS



→ TECHNICAL DIMENSIONS TRUE UNION BALL VALVES ½", ¾", 1", 1¼"



INLET CONNECTOR - THREADED MALE / OUTLET CONNECTOR - THREADED FEMALE

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
½"	14.00	14.00	20.00	60.00	16.00	80.20	99.15	60.80	56.50
¾"	14.00	14.00	20.00	60.00	18.00	80.20	99.15	60.80	56.50
1"	11.00	11.50	24.50	69.00	17.70	89.00	110.40	71.00	66.45
1¼"	11.00	11.50	31.80	79.50	25.70	88.00	122.80	105.00	70.30

INLET CONNECTOR - THREADED FEMALE / OUTLET CONNECTOR - THREADED FEMALE

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
½"	14.00	14.00	20.00	60.00	16.00	63.50	82.60	60.80	56.50
¾"	14.00	14.00	20.00	60.00	18.00	63.50	82.60	60.80	55.50
1"	11.00	11.50	24.50	69.00	19.55	70.50	93.00	71.00	66.45
1¼"	11.00	11.50	31.80	79.50	27.40	88.00	122.80	105.00	70.30

INLET CONNECTOR - SOCKET GLUED / OUTLET CONNECTOR - SOCKET GLUED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
20MM	20.20	20.20	20.00	60.00	16.00	63.50	82.60	60.80	56.60
25MM	25.00	25.00	20.00	60.00	18.00	63.50	82.60	60.80	55.60
32MM	32.00	32.00	24.50	69.00	19.55	70.50	93.00	71.00	66.45
40MM	40.00	40.00	31.80	79.50	27.40	88.00	122.80	105.00	70.30

INLET CONNECTOR - SOCKET GLUED / OUTLET CONNECTOR - SOCKET GLUED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
½"	21.20	21.40	20.00	60.00	18.00	63.50	82.60	60.80	55.60
¾"	26.67	26.00	20.00	60.00	18.00	63.50	82.60	60.80	55.60
1"	33.40	34.00	24.50	69.00	19.55	70.50	93.00	71.00	66.45
1¼"	42.16	42.00	31.80	79.50	27.40	88.00	122.80	105.00	70.30

→ MATERIAL SPECS PVC BALL VALVES ½", ¾", 1", 1¼"

#	PART NAME	MATERIAL	QTY.
1	RING	UPVC	1
2	BUSH**	UPVC	1
3	SEAL	TPE	2
4	BALL	UPVC	1
5	BODY	UPVC	1
6	SHAFT	UPVC	1
7	SHAFT O-RING	HNBR	2
8	MAIN O-RING**	HNBR	1
9	HANDLE	ABS	1
10	THREADED BUSH*	UPVC	1
11	BUSH BIG O-RING*	HNBR	1
12	BUSH SMALL O-RING*	HNBR	1
13	SOCKET*	UPVC	1

* 1¼" Ball Valve

** ¾" Ball Valve

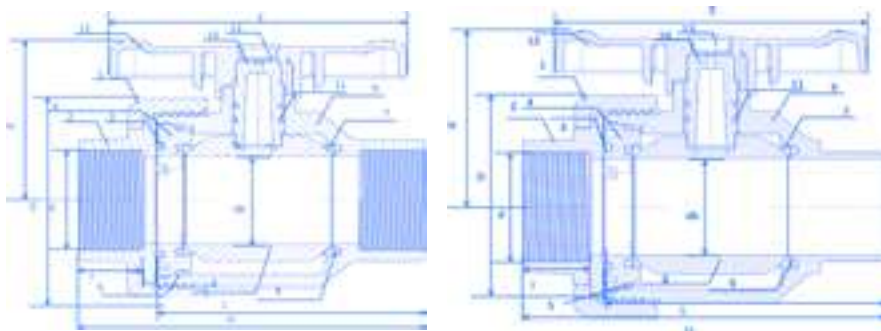
→ MATERIAL SPECS POLYPROPYLENE BALL VALVES ½", ¾", 1", 1¼"

#	PART NAME	MATERIAL	QTY.
1	RING	UPVC	1
2	BUSH**	UPVC	1
3	SEAL	TPE	2
4	BALL	UPVC	1
5	BODY	UPVC	1
6	SHAFT	UPVC	1
7	SHAFT O-RING	HNBR	2
8	MAIN O-RING**	HNBR	1
9	HANDLE	ABS	1

* 1¼" ball valve

** ¾" ball valve

→ TECHNICAL DIMENSIONS TRUE UNION BALL VALVES 1½", 2", 2½", 3"



INLET - THREADED MALE / OUTLET CONNECTOR - THREADED FEMALE

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
1½"	11.00	11.50	39.40	94.40	32.00	98.50	136.60	121.00	90.80
2"	11.00	11.50	49.50	116.00	35.40	119.00	164.80	150.00	97.00
2½"	11.00	8.00	59.00	131.60	45.50	139.50	197.20	162.00	110.00
3"	11.00	8.00	76.00	178.80	42.80	180.00	230.40	200.40	139.00

INLET CONNECTOR - THREADED FEMALE / OUTLET CONNECTOR - THREADED FEMALE

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
1½"	11.00	11.50	39.40	94.40	32.00	76.60	148.80	121.00	88.30
2"	11.00	11.50	49.50	116.00	35.40	119.00	164.80	150.00	97.00
2½"	11.00	8.00	59.00	131.60	45.50	140.85	195.40	162.00	110.00
3"	11.00	8.00	76.00	178.80	42.80	178.10	250.00	200.40	139.00

INLET CONNECTOR - SOCKET GLUED / OUTLET CONNECTOR - SOCKET GLUED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
50MM	50.00	50.00	39.40	94.40	32.00	76.60	148.80	121.00	88.30
63MM	63.00	63.00	49.50	116.00	35.40	88.00	175.40	150.00	97.00
75MM	75.00	75.00	59.00	131.60	45.50	140.85	195.40	162.00	110.00
90MM	90.00	90.00	76.00	178.80	42.80	178.10	250.00	200.40	139.00

INLET CONNECTOR - SOCKET GLUED / OUTLET CONNECTOR - SOCKET GLUED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
1½"	48.26	48.00	39.40	94.40	32.00	76.60	148.80	121.00	88.30
2"	60.33	60.00	49.50	116.00	35.40	88.00	175.40	150.00	97.00
2½"	73.03	75.00	59.00	131.60	45.50	140.85	195.40	162.00	110.00
3"	88.90	89.00	76.00	178.80	42.80	178.10	250.00	200.40	139.00

→ MATERIAL SPECS PVC BALL VALVES 1½", 2", 2½", 3"

#	PART NAME	MATERIAL	QTY.
1	RING	UPVC	1
2	SOCKET	UPVC	1
3	BUSH SMALL O-RING	HNBR	1
4	BUSH	UPVC	1
5	BUSH BIG O-RING	HNBR	1
6	SEAL WASHER*	HNBR	2
7	SEAL	TPE	2
8	BALL	UPVC	1
9	BODY	UPVC	1
10	SHAFT	UPVC	1
11	SHAFT O-RING**	HNBR	1
12	HANDLE	ABS	1
13	HANDLE LOGO	ABS	1

* 3" ball valve

** 2" Model

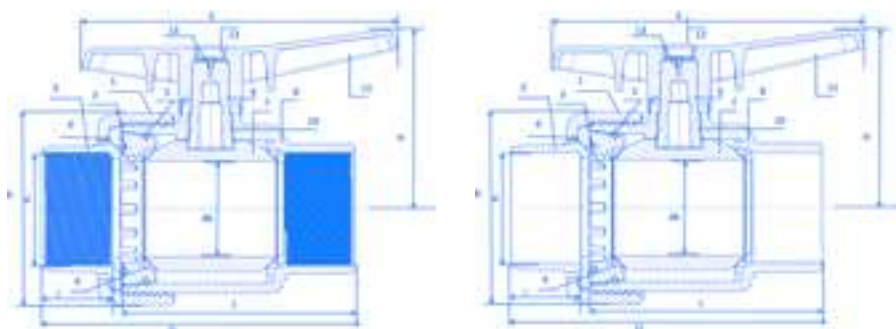
→ MATERIAL SPECS POLYPROPYLENE BALL VALVES 1½", 2", 2½", 3

#	PART NAME	MATERIAL	QTY.
1	RING	PPGF	1
2	SOCKET	***UPVC /PPGF	1
3	BUSH SMALL O-RING	HNBR	1
4	BUSH	UPVC	1
5	BUSH BIG O-RING	HNBR	1
6	*SEAL WASHER	HNBR	2
7	SEAL	TPE	2
8	BALL	UPVC	1
9	BODY	PPGF	1
10	SHAFT	UPVC	1
11	SHAFT O-RING	HNBR	**2
12	HANDLE	PPGF	1
13	HANDLE LOGO	PPGF	1

* Only in 3" Ball valve, ** one in 2" Model

*** UPVC for solvent socket and PPGF for Threaded socket

→ TECHNICAL DIMENSIONS TRUE UNION BALL VALVES 4"



INLET CONNECTOR - THREADED MALE / OUTLET CONNECTOR - THREADED FEMALE

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
4"	11.00	8.00	98.30	197.00	60.00	200.00	268.00	270.10	186.00

INLET CONNECTOR - THREADED FEMALE / OUTLET CONNECTOR - THREADED FEMALE

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
4"	11.00	8.00	98.30	197.00	60.00	200.00	268.00	270.10	186.00

INLET CONNECTOR - SOCKET GLUED / OUTLET CONNECTOR - SOCKET GLUED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
110MM	110.00	110.00	98.30	196.50	60.00	200.00	268.00	270.10	186.00

INLET CONNECTOR - SOCKET GLUED / OUTLET CONNECTOR - SOCKET GLUED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
4"	114.30	114.00	98.30	196.50	60.00	200.00	268.00	270.10	186.00

→ MATERIAL SPECS PVC BALL VALVES 4"

#	PART NAME	MATERIAL	QTY.
1	RING	UPVC	1
2	SOCKET	UPVC	1
3	BUSH SMALL O-RING	HNBR	1
4	BUSH	UPVC	1
5	BUSH BIG O-RING	HNBR	1
6	SEAL	TPE	2
7	BALL	UPVC	1
8	BODY	UPVC	1
9	SHAFT	UPVC	1
10	SHAFT O-RING	HNBR	3
11	HANDLE	ABS	1
12	HANDLE LOGO	ABS	1

→ MATERIAL SPECS PLYPROPYLENE BALL VALVES 4"

#	PART NAME	MATERIAL	QTY.
1	RING	PPGF	1
2	SOCKET	***UPVC /PPGF	1
3	BUSH SMALL O-RING	NBR	1
4	BUSH	UPVC	1
5	BUSH BIG O-RING	NBR	1
6	SEAL	TPE	2
7	BALL	UPVC	1
8	BODY	PPGF	1
9	SHAFT	UPVC	1
10	SHAFT O-RING	NBR	3
11	HANDLE	PPGF	1
12	HANDLE LOGO	PPGF	1
13	HANDLE SCREW	SS	1

*** UPVC for solvent socket and PPGF for
Threaded socket

→ CATALOG NUMBERS TRUE UNION BALL VALVES

DESCRIPTION	CAT. NUMBER
NMV PVC BALL VLV 1 UNION ½" FFT BSP	77450-000216
NMV PVC BALL VLV 1 UNION ¾" FFT BSP	77450-000100
NMV PVC BALL VLV 1 UNION 1" FFT BSP	77450-000101
NMV PVC BALL VLV 1 UNION 1¼" FFT BSP	77450-000102
NMV PVC BALL VLV 1 UNION 1½" FFT BSP	77450-000103
NMV PVC BALL VLV 1 UNION 2" FFT BSP	77450-000104
NMV PVC BALL VLV 1 UNION 2½" FFT BSP	77450-000105
NMV PVC BALL VLV 1 UNION 3" FFT BSP	77450-000106
NMV PVC BALL VLV 1 UNION 4" FFT BSP	77450-000107
NMV PVC BALL VLV 1 UNION ½" FFT NPT	77450-000217
NMV PVC BALL VLV 1 UNION ¾" FFT NPT	77450-000208
NMV PVC BALL VLV 1 UNION 1" FFT NPT	77450-000209
NMV PVC BALL VLV 1 UNION 1¼" FFT NPT	77450-000210
NMV PVC BALL VLV 1 UNION 1½" FFT NPT	77450-000211
NMV PVC BALL VLV 1 UNION 2" FFT NPT	77450-000212
NMV PVC BALL VLV 1 UNION 2½" FFT NPT	77450-000213
NMV PVC BALL VLV 1 UNION 3" FFT NPT	77450-000214
NMV PVC BALL VLV 1 UNION 4" FFT NPT	77450-000215
NMV PVC BALL VLV 1 UNION ½" FMT BSP	77450-000218
NMV PVC BALL VLV 1 UNION ¾" FMT BSP	77450-000120
NMV PVC BALL VLV 1 UNION 1" FMT BSP	77450-000121
NMV PVC BALL VLV 1 UNION 1¼" FMT BSP	77450-000122
NMV PVC BALL VLV 1 UNION 1½" FMT BSP	77450-000123
NMV PVC BALL VLV 1 UNION 2" FMT BSP	77450-000124
NMV PVC BALL VLV 1 UNION 2½" FMT BSP	77450-000125
NMV PVC BALL VLV 1 UNION 3" FMT BSP	77450-000126
NMV PVC BALL VLV 1 UNION 4" FMT BSP	77450-000127
NMV PVC BALL VLV 1 UNION ½" FMT NPT	77450-000219
NMV PVC BALL VLV 1 UNION ¾" FMT NPT	77450-000149
NMV PVC BALL VLV 1 UNION 1" FMT NPT	77450-000150
NMV PVC BALL VLV 1 UNION 1¼" FMT NPT	77450-000152
NMV PVC BALL VLV 1 UNION 1½" FMT NPT	77450-000153
NMV PVC BALL VLV 1 UNION 2" FMT NPT	77450-000151
NMV PVC BALL VLV 1 UNION 2½" FMT NPT	77450-000154
NMV PVC BALL VLV 1 UNION 3" FMT NPT	77450-000155
NMV PVC BALL VLV 1 UNION 4" FMT NPT	77450-000156

DESCRIPTION	CAT. NUMBER
NMV PVC BALL VLV 1 UNION 20MM SG ISO/D	77450-000220
NMV PVC BALL VLV 1 UNION 25MM SG ISO/D	77450-000200
NMV PVC BALL VLV 1 UNION 32MM SG ISO/D	77450-000201
NMV PVC BALL VLV 1 UNION 40MM SG ISO/D	77450-000202
NMV PVC BALL VLV 1 UNION 50MM SG ISO/D	77450-000203
NMV PVC BALL VLV 1 UNION 63MM SG ISO/D	77450-000204
NMV PVC BALL VLV 1 UNION 75MM SG ISO/D	77450-000205
NMV PVC BALL VLV 1 UNION 90MM SG ISO/D	77450-000206
NMV PVC BALL VLV 1 UNION 110MM SG ISO/D	77450-000207
NMV PVC BALL VLV 1 UNION ½" SG BS	77450-000221
NMV PVC BALL VLV 1 UNION ¾" SG BS	77450-000360
NMV PVC BALL VLV 1 UNION 1" SG BS	77450-000361
NMV PVC BALL VLV 1 UNION 1¼" SG BS	77450-000362
NMV PVC BALL VLV 1 UNION 1½" SG BS	77450-000108
NMV PVC BALL VLV 1 UNION 2" SG BS	77450-000350
NMV PVC BALL VLV 1 UNION 2½" SG BS	77450-000109
NMV PVC BALL VLV 1 UNION 3" SG BS	77450-000110
NMV PVC BALL VLV 1 UNION 4" SG BS	77450-000367
NMV PVC BALL VLV 1 UNION ½" SG ASTM	77450-000380
NMV PVC BALL VLV 1 UNION ¾" SG ASTM	77450-000381
NMV PVC BALL VLV 1 UNION 1" SG ASTM	77450-000382
NMV PVC BALL VLV 1 UNION 1¼" SG ASTM	77450-000383
NMV PVC BALL VLV 1 UNION 1½" SG ASTM	77450-000384
NMV PVC BALL VLV 1 UNION 2" SG ASTM	77450-000385
NMV PVC BALL VLV 1 UNION 2½" SG ASTM	77450-000386
NMV PVC BALL VLV 1 UNION 3" SG ASTM	77450-000387
NMV PVC BALL VLV 1 UNION 4" SG ASTM	77450-000388

→ **CATALOG NUMBERS** POLYPROPYLENE TRUE UNION BALL VALVES

DESCRIPTION	CAT. NUMBER
NMV PP BALL VLV 1 UNION ¾" FFT BSP	77449-000101
NMV PP BALL VLV 1 UNION 1" FFT BSP	77449-000102
NMV PP BALL VLV 1 UNION 1¼" FFT BSP	77449-000103
NMV PP BALL VLV 1 UNION 1½" FFT BSP	77449-000104
NMV PP BALL VLV 1 UNION 2" FFT BSP	77449-000105
NMV PP BALL VLV 1 UNION 2½" FFT BSP	77449-000106
NMV PP BALL VLV 1 UNION 3" FFT BSP	77449-000107
NMV PP BALL VLV 1 UNION 4" FFT BSP	77449-000108
NMV PP BALL VLV 1 UNION ¾" FFT NPT	77449-000131
NMV PP BALL VLV 1 UNION 1" FFT NPT	77449-000132
NMV PP BALL VLV 1 UNION 1¼" FFT NPT	77449-000133
NMV PP BALL VLV 1 UNION 1½" FFT NPT	77449-000134
NMV PP BALL VLV 1 UNION 2" FFT NPT	77449-000135
NMV PP BALL VLV 1 UNION 2½" FFT NPT	77449-000136
NMV PP BALL VLV 1 UNION 3" FFT NPT	77449-000137
NMV PP BALL VLV 1 UNION 4" FFT NPT	77449-000138
NMV PP BALL VLV 1 UNION ¾" FMT BSP	77449-000151
NMV PP BALL VLV 1 UNION 1" FMT BSP	77449-000152
NMV PP BALL VLV 1 UNION 1¼" FMT BSP	77449-000153
NMV PP BALL VLV 1 UNION 1½" FMT BSP	77449-000154
NMV PP BALL VLV 1 UNION 2" FMT BSP	77449-000155
NMV PP BALL VLV 1 UNION 2½" FMT BSP	77449-000156
NMV PP BALL VLV 1 UNION 3" FMT BSP	77449-000157
NMV PP BALL VLV 1 UNION 4" FMT BSP	77449-000158
NMV PP BALL VLV 1 UNION ¾" FMT NPT	77449-000171
NMV PP BALL VLV 1 UNION 1" FMT NPT	77449-000172
NMV PP BALL VLV 1 UNION 1¼" FMT NPT	77449-000173
NMV PP BALL VLV 1 UNION 1½" FMT NPT	77449-000174
NMV PP BALL VLV 1 UNION 2" FMT NPT	77449-000175
NMV PP BALL VLV 1 UNION 2½" FMT NPT	77449-000176
NMV PP BALL VLV 1 UNION 3" FMT NPT	77449-000177
NMV PP BALL VLV 1 UNION 4" FMT NPT	77449-000178

DESCRIPTION	CAT. NUMBER
NMV PP BALL VLV 1 UNION 25MM SG ISO/D	77449-000201
NMV PP BALL VLV 1 UNION 32MM SG ISO/D	77449-000202
NMV PP BALL VLV 1 UNION 40MM SG ISO/D	77449-000203
NMV PP BALL VLV 1 UNION 50MM SG ISO/D	77449-000204
NMV PP BALL VLV 1 UNION 63MM SG ISO/D	77449-000205
NMV PP BALL VLV 1 UNION 75MM SG ISO/D	77449-000206
NMV PP BALL VLV 1 UNION 90MM SG ISO/D	77449-000207
NMV PP BALL VLV 1 UNION 110MM SG ISO/D	77449-000208
NMV PP BALL VLV 1 UNION ¾" SG ASTM	77449-000221
NMV PP BALL VLV 1 UNION 1" SG ASTM	77449-000222
NMV PP BALL VLV 1 UNION 1¼" SG ASTM	77449-000223
NMV PP BALL VLV 1 UNION 1½" SG ASTM	77449-000224
NMV PP BALL VLV 1 UNION 2" SG ASTM	77449-000225
NMV PP BALL VLV 1 UNION 2½" SG ASTM	77449-000226
NMV PP BALL VLV 1 UNION 3" SG ASTM	77449-000227
NMV PP BALL VLV 1 UNION 4" SG ASTM	77449-000228
NMV PP BALL VLV 1 UNION ¾" SG BS	77449-000241
NMV PP BALL VLV 1 UNION 1" SG BS	77449-000242
NMV PP BALL VLV 1 UNION 1¼" SG BS	77449-000243
NMV PP BALL VLV 1 UNION 1½" SG BS	77449-000244
NMV PP BALL VLV 1 UNION 2" SG BS	77449-000245
NMV PP BALL VLV 1 UNION 2½" SG BS	77449-000246
NMV PP BALL VLV 1 UNION 3" SG BS	77449-000247
NMV PP BALL VLV 1 UNION 4" SG BS	77449-000248

Dual Union Ball Valves

Physical shut off, manual restrictions, control or service needs in irrigation head controls, field plots, nurseries, greenhouses, nutrigation systems, water conveyance systems.



High
Quality



Ultimate
Durability



Durable
& Reliable

Benefits & Features

- **Saves operation costs**
 - A quarter turn shut off valve, threaded or glued socket, user friendly design allowing smooth handle operation
 - Corrosion resistant and UV stabilized
 - The dual true union ball valve, specifically designed for water applications, for safe pipe line operation
- **Saves labor costs and multiple investments in maintenance**
 - In the closed position, the pipeline can be disconnected downstream from the valve without any leakage
 - The valve is removable from the pipeline, allowing quick maintenance
 - Highly reliable operation and durable over time

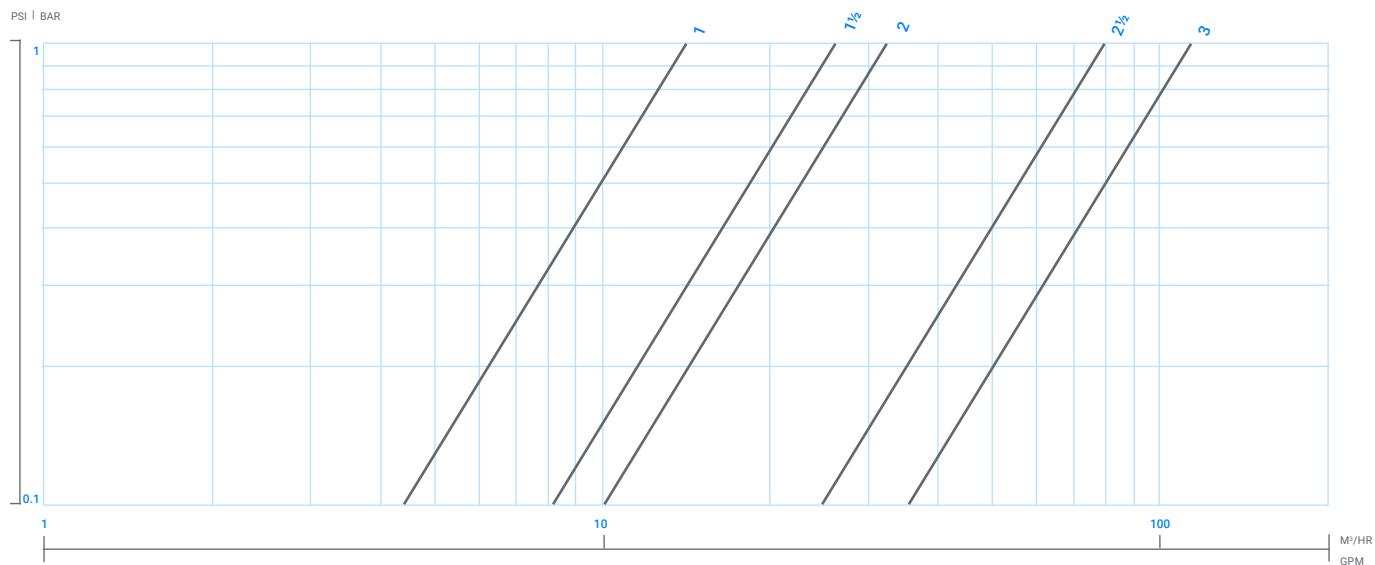
Specifications & Recommendations

- Ideal for application in temperature range of -5°C and 50°C, guaranteeing optimal performance in terms of mechanical resistance, good rigidity, low coefficients of thermal expansion and optimal safety factors in service
- Operational up to 10 bar
- Low head losses
- Wide range of connections:
Threaded (BSP or NPT standards) or SG, socket glued (ISO/DIN, ASTM, BS)

→ PACKAGING DATA

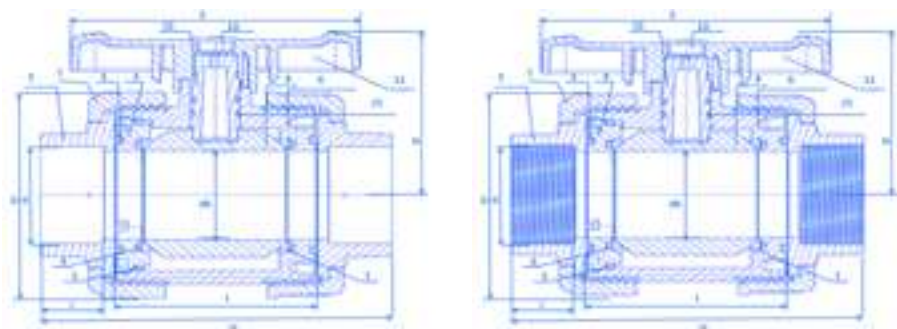
MODEL	QUANTITY P/BOX UNIT	BOX SIZES (CM X CM X CM)	FEMALE-FEMALE THD CONN. BOX WEIGHT (KG)	SOCKET GLUED CONN. BOX WEIGHT (KG)	BOXES P/PALLET
1" - 32 MM	75	43.0 X 33.0 X 39.0	21.98	21.49	12
1½" - 50 MM	16	43.0 X 33.0 X 39.0	13.30	12.83	
2" - 63 MM	8	43.0 X 33.0 X 39.0	10.93	10.62	
2½" - 75 MM	8	43.0 X 33.0 X 44.5	14.84	14.60	
3" - 90 MM	4	43.0 X 33.0 X 39.0	15.69	15.55	

→ HEAD LOSS



→ TECHNICAL DIMENSIONS

DUAL UNION BALL VALVES 1", 1½", 2", 2½", 3"



→ MATERIAL SPECS

DUAL UNION BALL VALVES 1", 1½", 2", 2½", 3"

#	PART NAME	MATERIAL	QTY.
1	RING	UPVC	2
2	SOCKET	UPVC	2
3	BUSH SMALL O-RING	HNBR	2
4	BUSH	UPVC	1
5	BUSH BIG O-RING	HNBR	1
6	SEAL WASHER*	HNBR	2
7	SEAL	TPE	2
8	BALL	UPVC	1
9	BODY	UPVC	1
10	SHAFT	UPVC	1
11	SHAFT O-RING	HNBR	2**
12	HANDLE	ABS	1
13	HANDLE LOGO	ABS	1

* Only in 3" valve

** One in 2" valve

INLET CONNECTOR - FEMALE THREADED / OUTLET CONNECTOR - FEMALE THREADED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
1"	11.00	11.50	24.50	69.00	20.20	55.50	112.60	71.00	66.50
1½"	11.00	11.50	39.50	94.40	32.00	73.25	149.60	121.00	88.30
2"	11.00	11.50	49.50	116.00	35.40	84.20	177.40	150.00	97.00
2½"	11.00	8.00	59.00	131.60	45.50	100.00	212.10	162.00	107.50
3"	11.00	8.00	76.00	178.80	42.80	138.10	241.10	200.40	140.00

INLET CONNECTOR - SOCKET GLUED / OUTLET CONNECTOR - SOCKET GLUED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
32MM	32.00	32.00	24.50	69.00	20.20	55.50	110.00	71.00	66.50
50MM	50.00	50.00	39.50	94.40	32.00	73.25	149.60	121.00	88.30
63MM	63.00	63.00	49.50	116.00	35.40	84.20	177.40	150.00	97.00
75MM	75.00	75.00	59.00	131.60	45.50	100.00	212.10	162.00	107.50
90MM	90.00	90.00	76.00	178.80	42.80	138.10	241.10	200.40	140.00

INLET CONNECTOR - SOCKET GLUED / OUTLET CONNECTOR - SOCKET GLUED

nom size	BSP (TPI)	NPT (TPI)	DK (MM)	D (MM)	I (MM)	L (MM)	LT (MM)	E (MM)	H (MM)
1"	33.40	34.00	24.50	69.00	20.20	55.50	110.00	71.00	66.50
1½"	48.26	48.00	39.50	94.40	32.00	73.25	149.60	121.00	88.30
2"	60.33	60.00	49.50	116.00	35.40	84.20	177.40	150.00	97.00
2½"	73.03	75.00	59.00	131.60	45.50	100.00	212.10	162.00	107.50
3"	88.90	89.00	76.00	178.80	42.80	138.10	241.10	200.40	140.00

→ CATALOG NUMBERS

DESCRIPTION	CATALOG NUMBER
NMV PVC BALL VLV 2 UNION 1" FFT BSP	77451-000150
NMV PVC BALL VLV 2 UNION 1½" FFT BSP	77451-000152
NMV PVC BALL VLV 2 UNION 2" FFT BSP	77451-000153
NMV PVC BALL VLV 2 UNION 2½" FFT BSP	77451-000154
NMV PVC BALL VLV 2 UNION 3" FFT BSP	77451-000155
NMV PVC BALL VLV 2 UNION 32MM SG ISO/D	77451-000200
NMV PVC BALL VLV 2 UNION 50MM SG ISO/D	77451-000202
NMV PVC BALL VLV 2 UNION 63MM SG ISO/D	77451-000203
NMV PVC BALL VLV 2 UNION 75MM SG ISO/D	77451-000204
NMV PVC BALL VLV 2 UNION 90MM SG ISO/D	77451-000205
NMV PVC BALL VLV 2 UNION 1" FFT NPT	77451-000220
NMV PVC BALL VLV 2 UNION 1½" FFT NPT	77451-000221
NMV PVC BALL VLV 2 UNION 2" FFT NPT	77451-000222
NMV PVC BALL VLV 2 UNION 2½" FFT NPT	77451-000223
NMV PVC BALL VLV 2 UNION 3" FFT NPT	77451-000224
MV PVC BALL VLV 2 UNION 1" SG ASTM	77451-000250
NMV PVC BALL VLV 2 UNION 1½" SG ASTM	77451-000251
NMV PVC BALL VLV 2 UNION 2" SG ASTM	77451-000252
NMV PVC BALL VLV 2 UNION 2½" SG ASTM	77451-000253
NMV PVC BALL VLV 2 UNION 3" SG ASTM	77451-000254

AquaNet™

AC/DC ELECTRIC VALVE

The professional electric/hydraulic valve line.



1 1/2" - 2"
MODEL

3/4" - 1"
MODEL



Low Energy
Consumption



Quick
Reaction



Simple to
Use

Benefits & Features

- ✓ Patented hydraulic 3-way control
- ✓ Designed to operate with all types of water, including effluent water (2 mm command orifice)
- ✓ Pressure & flow range
- ✓ Manual override: CLOSE-AUTO-OPEN
- ✓ Low energy consumption for maximal wire distance
- ✓ Built-in pressure regulator with adjustable knob 0.7 – 4.5 bar (optional 1 1/2" & 2" Electrical models only)
- ✓ Flow control handle – standard on all models
- ✓ EPDM diaphragm resistant against chemicals used in agriculture

Specifications & Recommendations

3/4" & 1" GLOBE MODELS

- **Flow:** 0.025 – 7.0 m³/h
- **Working Pressure:** 0.2 - 10 bar
- **Ambient Temp. Max.:** 60°C (140°F)
- **Fluid Temp Max.:** 60°C (140°F)
- **Plastic Parts:** Reinforced Nylon
- **Diaphragms:** EPDM
- **Leads:** 2 x AWG 22 (80 cm)

1 1/2" & 2" GLOBE & ANGLE

- **Flow:** 0.1 – 34.0 m³/h
- **Working Pressure:** 0.3 - 10 bar
- **Ambient Temp. Max.:** 60°C (140°F)
- **Fluid Temp Max.:** 60°C (140°F)
- **Plastic Parts:** Reinforced Nylon
- **Diaphragms:** EPDM
- **Leads:** 2 x AWG 22 (120 cm)

* Pressure Regulating Range: 0.74.5- bar (1 1/2" & 2" electric models only)

→ PACKAGING DATA

MODEL	QUANTITY P/BOX UNITS	BOX DIMENSIONS CM X CM X CM	BOX WEIGHT KG (AVERAGE)
AQUANET PLUS ¾", 1"	12	47.0 X 26.0 X 12.0	4.45
AQUANET PLUS 1½" G	1	21.5 X 12.5 X 19	1.18
AQUANET PLUS 1½" A			1.29
AQUANET PLUS 2" G			1.16
AQUANET PLUS 2" A			1.24
PRESSURE REGULATOR KIT		12.0 X 9.0 X 7.0	0.11

→ ELECTRICAL SPECIFICATIONS

24V AC

VOLTAGE	18-28 VAC
INRUSH	90 mA
HOLDING	75 mA

IN AC MODELS, 2-5 SECONDS DELAY FROM COMMAND TO ACTIVATION

CABLE GAUGE (AWG)	DIAMETER (MM)	CROSS SECTION (MM²)	MAX. DISTANCE (M)
20	0.8	0.5	1250
18	1.0	0.8	2000
17	1.1	1.0	2500
16	1.3	1.3	3500
15	1.4	1.5	5000

MAX. DISTANCE BETWEEN AQUANET PLUS AC AND CONTROLLERS

DC

VOLTAGE	12-40 VDC
MIN. PULSE WIDTH	80 ms

RECOMMENDED WORKING CONDITION CAPACITOR MODE

VOLTAGE (VDC)	CAPACITOR (MF)	MIN. PULSE (MS)
12-18	4700	80
18-28	3300	80
28-40	2200	80

CABLE GAUGE (AWG)	DIAMETER (MM)	CROSS SECTION (MM²)	MAX. DISTANCE (M)
20	0.8	0.5	150
17	1.1	1.0	240
15	1.4	1.5	380

→ ELECTRICAL CONNECTIONS

¾" & 1" DC RED + BLACK COMMON

¾" & 1" AC BLACK/BLACK

1 ½" & 2" DC RED + BLACK COMMON

1 ½" & 2" AC BLACK/BLACK

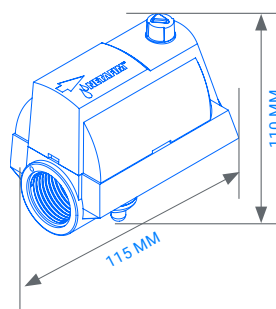
(CHANGING DC WIRE CONNECTIONS WILL CHANGE NC TO NO)

IT IS RECOMMENDED TO ISOLATE WIRES CONNECTIONS FROM WATER TO PREVENT CORROSION.

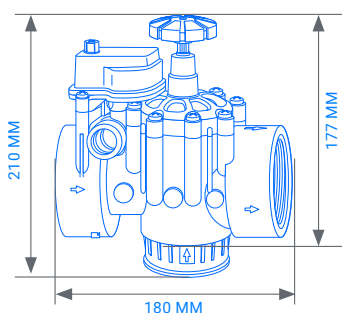
AQUANETPLUS DC IS COMPATIBLE WITH MOST DC LATCH CONTROLLERS WITH TWO OR THREE WIRE OUTPUT. FOR SPECIFIC MODELS PLEASE CONTACT YOUR NETAFIM REPRESENTATIVE.

→ TECHNICAL DIMENSIONS

¾" & 1" MODELS



1½" & 2" MODELS



→ CATALOG NUMBERS

DIAMETER	CONNECTION TYPE	INPUT	SHAPE	CATALOG NUMBER
1 1/2"	BSP	AC	ANGLE	34040-001000
			GLOBE	34040-001100
		DC	ANGLE	34540-001000
			GLOBE	34540-001100
2"		AC	ANGLE	34040-001200
			GLOBE	34040-001300
		DC	ANGLE	34540-001200
			GLOBE	34540-001300

AquaPro™

Smart valve watering controller. For residential or commercial applications where electricity is not available, when wiring is not applicable, when existing controller is fully used up. For any indoor and outdoor installation.



Low Energy
Consumption



Quick
Reaction



Simple to
Use

Benefits & Features

- ✓ Stand-alone battery operated
- ✓ Easy to use
- ✓ Three independent programs:
 - P1 Once a day at the same time every day
 - P2 Once a day on selected days
 - P3 Up to three start times per day on selected days
- ✓ Two extra modes:
 - OFF stops all irrigation activities
 - Manual start/stop a program manually
- ✓ Available in ¾" and 1" BSP or NPT
- ✓ Waterproof IP67
- ✓ Available in various languages.

Specifications & Recommendations

BATTERY

- 1 x 9V alkaline (included, replaceable)
- 2 x lithium 1.5 V (included, built in)
- Controller body - A B S
- Standard - CE, IP67
- Large display - LCD. Size - 38 X 31 mm
- Voltage output - 13VDC
- Pulse width - 200 m/sec
- Capacity - 4700µF
- Compatible with Aquanet DC (¾", 1", 1½", 2") and Aquative solenoids

DC VALVE

- Size: ¾" or 1"
- Flow range: 25 - 700 l/h (0.1 - 26 GPM)
- Pressure range: 0.2 - 10 bar (6 - 150 PSI)
- Thread: BSP or NPT
- Body: reinforced nylon
- Hydraulic three way control: open/auto/closed
- Flow regulator included
- Wet part: EPDM diaphragm, no metal parts
- Cable: 0.6 m between controller and valve
- Maximum extension between valve and controller when using 1.0 mm Ø cable: 100 m (330 feet)

→ CATALOG NUMBERS

DESCRIPTION	CATALOG NUMBER
AQUAPRO WITH ¾" BSP AQUANET VALVE	37000-001000
AQUAPRO WITH 1" BSP AQUANET VALVE	37000-001500
AQUAPRO CONTROLLER ONLY*	37000-002000
AQUAPRO WITH ¾" NPT AQUANET VALVE	37000-001400
AQUAPRO WITH 1" NPT AQUANET VALVE	37000-001700

* For use with Aquanet DC 1½" and 2"

80 Series

REINFORCED NYLON CONTROL VALVES

Globe and angle plastic valves of the 80 series, equipped with a fully supported diaphragm, guarantee rapid and precise control of irrigation systems.



Optimal
Protection



Efficient
Installation



Extensive
Flexibility

/ Benefits & Features

- **Optimal protection**
Tight closing & quick opening is achieved by a rigid plug mechanism that is suitable for high pressure applications and responds rapidly to water pressure fluctuations
- **Efficient installation**
The valves are available in both globe and angle shapes and therefore eliminate the use of elbow joints and extending pipelines
- **Extensive flexibility**
Available with full range of control functions, various end connections and a selection of 2 way and 3 way bonnets with integral accessories

/ Specifications & Recommendations

- **Maximum pressure:** 12 bar (175 psi)
- **Minimum operating pressure:** 0.5 bar (7 psi)
- **Maximum operating temperature:** 60°C (140°F)

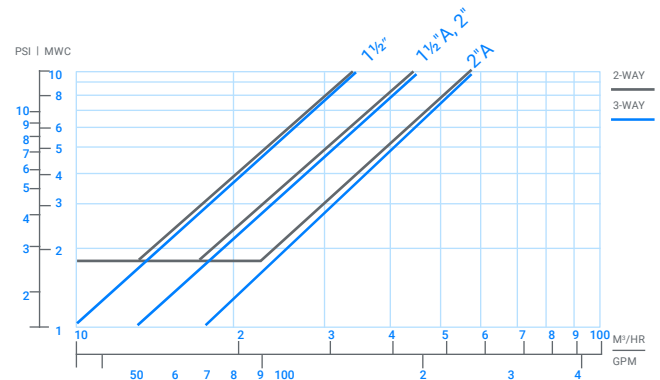
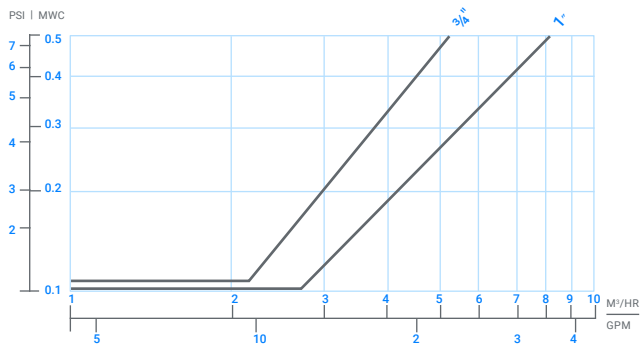
→ PRESSURE LOSSES

FLOW		¾"		1"		1.5"		2"					
						ANGLE		STRAIGHT		ANGLE		STRAIGHT	
GPM	M³/H	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR	PSI	BAR
2.2	0.5	1.42	0.10	1.42	0.10	0.19	0.01	0.33	0.02	0.11	0.01	0.19	0.01
4.4	1	1.60	0.11	1.42	0.10	0.75	0.05	1.33	0.09	0.43	0.03	0.75	0.05
8.8	2	1.65	0.11	1.42	0.10	3	0.21	5.33	0.37	1.72	0.12	3	0.21
13.2	3	2.90	0.20	1.65	0.11	6.74	0.46	12	0.83	3.9	0.27	6.74	0.46
17.6	4	4.35	0.30	2.61	0.18					6.9	0.48	12	0.83
22.0	5	6.82	0.47	3.63	0.25								
26.4	6			4.83	0.33								
30.8	7			6.09	0.42								

→ TECHNICAL DIMENSIONS

DIAMETER			¾"	1"	1½"		2"	
					ANGLE	STRAIGHT	ANGLE	STRAIGHT
HEIGHT	MM	109	112	171	159	171	166	
	INCH	4.3	4.4	6.73	6.23	6.73	6.54	
WIDTH	MM	75	75	163	163	163	163	
	INCH	3	3	6.42	6.42	6.42	6.42	
LENGTH - STRAIGHT CENTER TO OUTLET - ANGLE	MM	98	1.3	88	165	88	165	
	INCH	3.9	4.1	3.46	6.5	3.46	6.5	
WEIGHT	KG	0.28	0.29					
	LBS	0.62	0.64					

→ HEAD LOSS



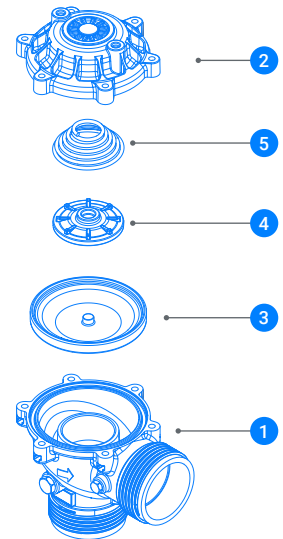
→ CATALOG NUMBERS

DIAM.	SHAPE	CONNECTION TYPE	FUNCTIONS					
			ELECTRIC AC	ELECTRIC DC	PRESSURE REDUCING	ELECTRIC AC & PRESSURE REDUCING	ELECTRIC DC & PRESSURE REDUCING	QUICK RELIEF
1½"	STRAIGHT	THR. BSP	71640-001150	71640-001131	71600-050153	71640-001151	71640-001152	71600-050154
	ANGLE		71640-001132	71640-007610	71600-050151	71640-001133	71640-001134	71600-000374
2"	STRAIGHT	THR. BSP	71640-003455	71640-014420	71600-008812	71640-014427	71640-007681	71600-050701
	ANGLE		71640-003456	71640-014400	71600-050343	71640-003404	71640-014390	71600-000365
3"	ANGLE	THR. BSP	71640-004990	71640-018221	71600-009475	71640-004810	71640-002145	71600-013442
		UNI. FLN.	71640-004992	71640-017034	71600-051015	71640-005176	71640-004991	71600-013443
4"	ANGLE	UNI. FLN.	71640-018241	71640-018242	71600-051110	71640-018240	71640-005196	71600-051120

* Electric valves of diameters 1½" & 2" are 2-way

→ MATERIAL SPECS.

#	PART	MATERIAL
1	BODY	REINFORCED NYLON
2	BONNET	REINFORCED NYLON
3	DIAPHRAGM*	NATURAL RUBBER
4	SPRING SEAT	NITRILE RUBBER
5	SPRING	SST 302



ii.ri™ Bluetooth Solenoids

SMART IRRIGATION CONTROLLER

Featuring a convenient, quick and user-friendly app. with a wide range of plans to manage your irrigation from a smartphone or tablet.



Low Energy
Consumption



Quick
Reaction



Simple to
Use



/ Benefits & Features

→ Wireless
operated by
smart device

Single station Irrigation Controller

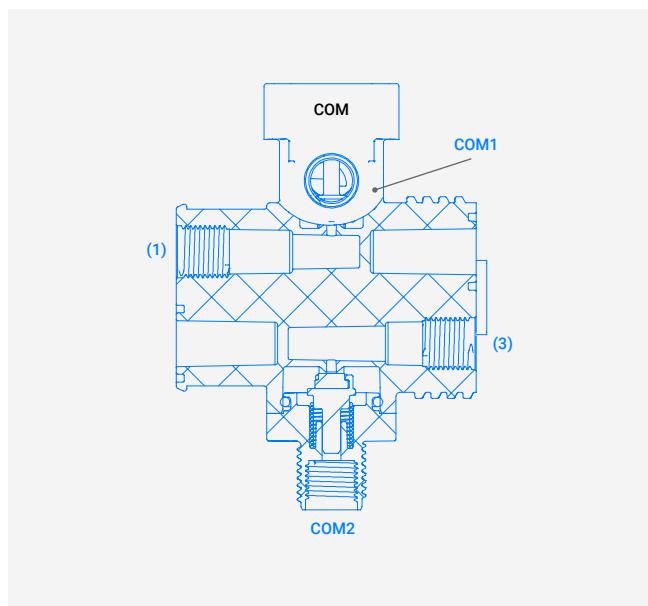
Four irrigation program types

Minimum required iOS 7 or Android V4.3

Battery included



→ 3 WAY HYDRAULIC ADAPTER



PORT	NO	NC
1	EXHAUST	PRESSURE
3	PRESSURE	EXHAUST
COM	OUT	OUT

→ CATALOG NUMBERS

ii.ri CONTROLLER

II.RI TYPE	CATALOG NUMBER
II.RI 2-WAY	70800-000803
II.RI 3-WAY	70800-008805

→ CATALOG NUMBERS

BASIC VALVES - 80 SERIES

DIAMETER	CONN.	SHAPE	CONF.	CATALOG NUMBER
¾"	BSP	STRAIGHT	2W	71600-050115
	NPT			71600-050116
1"	BSP	STRAIGHT	2W	71600-001266
	NPT			71600-050130
1½"	BSP	STRAIGHT	2W	71640-007441
	NPT			-
	BSP	ANGLE	2W	71640-007440
	NPT			-
	BSP	STRAIGHT	3W	71600-002130
	NPT			71610-014389
	BSP	ANGLE		71600-050211
	NPT			71610-014387
2"	BSP	STRAIGHT	2W	71600-050711
	NPT			-
	BSP	ANGLE	2W	71640-007810
	NPT			-
	BSP	STRAIGHT	3W	71600-002720
	NPT			71610-014612
	BSP	ANGLE	71600-002715	
	3"	BSP	ANGLE	3W
NPT		-		
UNF		71600-051000		



Simply look for ii.ri smart irrigation controller app on:



Combination Air Valves

Suitable for expelling the air at high flow velocity during the initial filling of the systems. Introducing large quantities of air when the pipe drains, maintaining atmospheric pressures in the pipe and preventing collapse and cavitation damage to the conduits. Relieving the entrained air from the water, while the network is pressurized.



PN-10

PN-16



Reliable



Superior Design



Efficient Air Relief

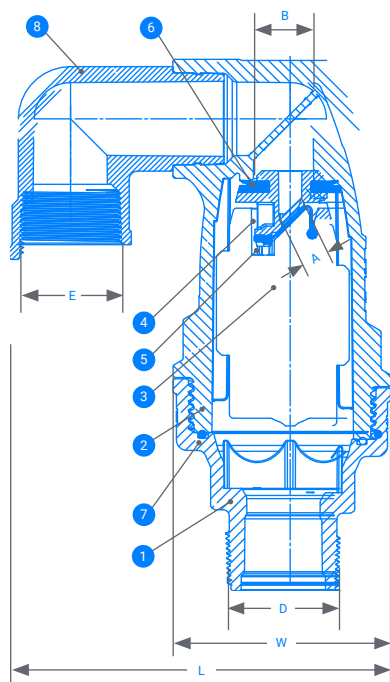
Benefits & Features

- **Reliable** Leak-proof sealing at all conditions, including low system pressure.
- **Superior design** The aerodynamic design of the float provides air flow at a very high velocity.
Threaded outlet elbow allows various possibilities of drain connection.
- **Easy maintenance** The valve design contains a very limited number of parts, allowing easy dismantling for maintenance.

Specifications & Recommendations

- Operating pressure of 0.1 bar / 1½ psi to 16 bar / 230 psi
- Maximal water temp. for continuous operation: 60°C / 140°F
- Maximal water temp. for intermittent operation: 80°C / 175°F
- ½", ¾", 1", 2" BSP or NPT threaded base - as per the customer's choice
- Structure materials:
 - Cover - GRP (UV resistant) / Polypropylene
 - Base - GRP / Polypropylene or Brass
- Internal parts: corrosion resistant plastic materials and synthetic rubber
- At pipe pressure of 0.5 bar / 7 psi:
 - The 2"/50mm valve allows the discharge of 260 m³/h / 153 CFM of air
 - The 1"/25mm valve allows the discharge of 60 m³/h / 35 CFM of air

→ TECHNICAL DIMENSIONS



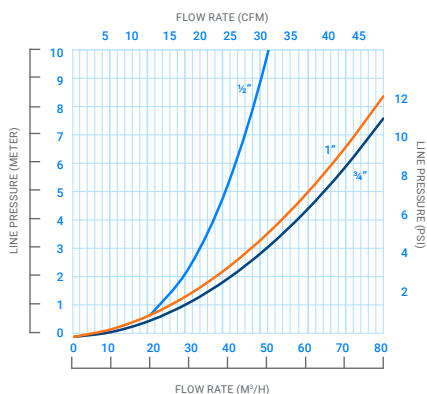
→ MATERIAL SPECIFICATIONS

#	PART NAME	MATERIAL
1	BODY	GLASS REINFORCED NYLON
2	BONNET	GLASS REINFORCED NYLON
3	FLOAT	FOAMED POLYPROPYLENE
4	SLIDER	GLASS REINFORCED NYLON
5	AUTO. SEAL	EPDM
6	KINETIC SEAL	EPDM
7	O-RING	NBR
8	DRAINAGE ELBOW	POLYPROPYLENE

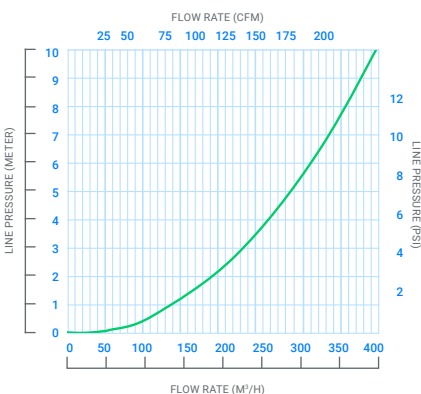
VALVE	12 MM / ½"		20 MM / ¾"		25 MM / 1"		50 MM / 2"	
DIMENSIONS	SI	US	SI	US	SI	US	SI	US
H - HEIGHT	183 MM	7¼"	183 MM	7¼"	183 MM	7¼"	249 MM	9⅞"
W - WIDTH	86 MM	3⅓"	86 MM	3⅓"	86 MM	3⅓"	110MM	4⅓"
D - THREAD	½" BSP	½" NPT	¾" BSP	¾" NPT	1" BSP	1" NPT	2" BSP	2" NPT
A - NOZZLE AREA	1285MM²	0.02 IN.²	1285MM²	0.02 IN.²	1285MM²	0.02 IN.²	1285MM²	0.02 IN.²
K - KINETIC NOZZLE AREA	314 MM²	0.49 IN.²	314 MM²	0.49 IN.²	314 MM²	0.49 IN.²	908 MM²	1.41 IN.²
L - TOTAL WIDTH	134 MM	5¼"	134 MM	5¼"	134 MM	5¼"	187 MM	7⅜"
E - DRAINAGE DIAMETER	¾" BSP	¾" BSP	¾" BSP	¾" BSP	¾" BSP	¾" BSP	1½" BSP	1½" BSP
WEIGHT	470 G	1.04 LBS.	470 G	1.04 LBS.	470 G	1.04 LBS.	1052 G	2.32 LBS.

→ PERFORMANCE

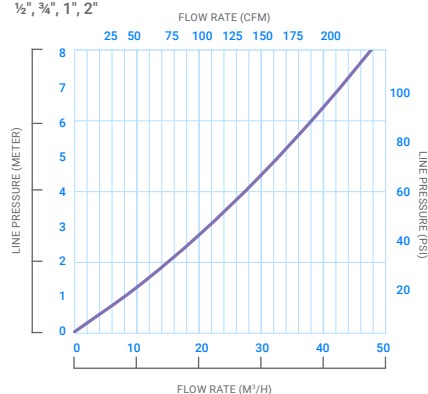
DISCHARGE DATA (FREE AIR FLOW) - ½", ¾", 1"



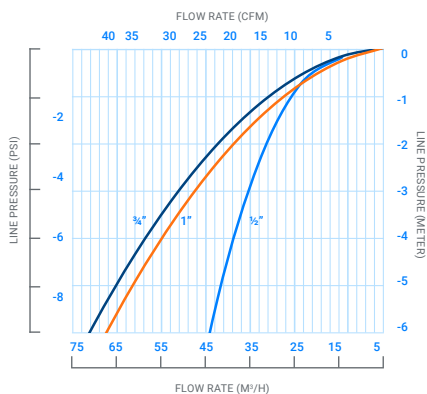
DISCHARGE DATA (FREE AIR FLOW) - 2"



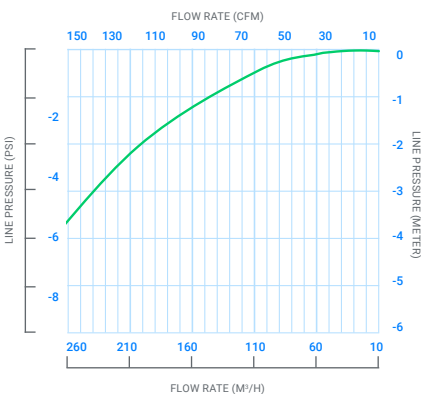
DISCHARGE DATA (FREE AIR FLOW) SMALL NOZZLE - ½", ¾", 1", 2"



INFLOW DATA (FREE AIR FLOW) - ½", ¾", 1"



INFLOW DATA (FREE AIR FLOW) - 2"



→ CATALOG NUMBERS

DIAMETER	CONNECTION	CATALOG NUMBERS FOR PN10	CATALOG NUMBERS FOR PN16
½"	BSP	32600-006060	32600-006065
	NPT	32600-006070	32600-006080
¾"	BSP	32600-006061	32600-006063
	NPT	32600-006071	32600-006081
1"	BSP	32600-006062	32600-006066
	NPT	32600-006072	32600-006082
2"	BSP	32600-006064	32600-006067
	NPT	32600-006074	32600-006075

→ PACKAGING DATA

DIAMETER	UNITS PER BOX	BOXES FOR PALLET
½"	10	30
¾"	10	30
1"	10	30
2"	10	16

Vacuum Breaker Kinetic Air Valves

This valve has been designed for efficient discharge and intake of air in water transport systems, filtering systems, containers, and other locations where confined air could impair the system's operation.



Reliable



Superior
Design



Easy
Maintenance

/ Benefits & Features

- **Reliable**
The valve offers leak-proof sealing even at a low system pressure.
- **Superior design**
The aerodynamic design of the valve enables air flow at very high velocities.
The outlet port directs the "blowout" flow away, protecting sensitive devices and the operators.
- **Easy maintenance**
The valve design contains a very limited number of parts, allowing easy dismantling for maintenance.

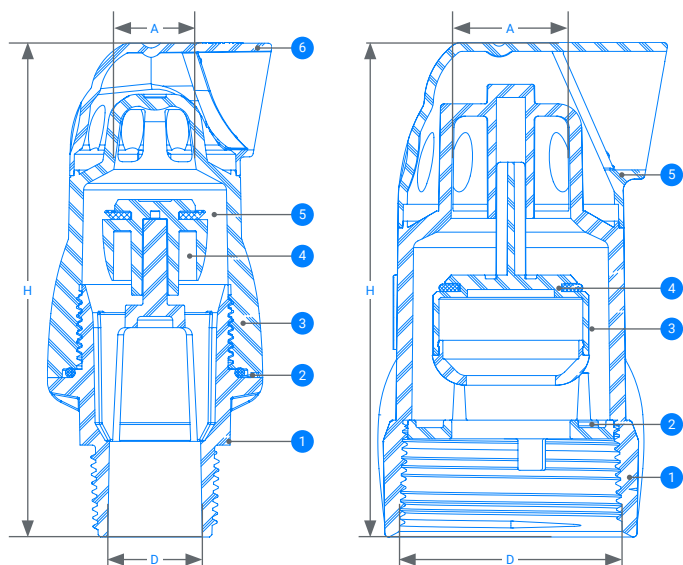
/ Specifications & Recommendations

- Operating pressure: 0.1 to 10 bar / 1½ to 150 psi
- Maximal operating temperature: 60°C / 140°F
- 2" BSP or NPT threaded base - as per the customer's choice
- Materials: corrosion resistant reinforced plastic materials and synthetic rubber

→ TECHNICAL DIMENSIONS

¾", 1"

2"



→ MATERIAL SPECIFICATIONS

PART LIST FOR ¾", 1"

PART LIST FOR 2"

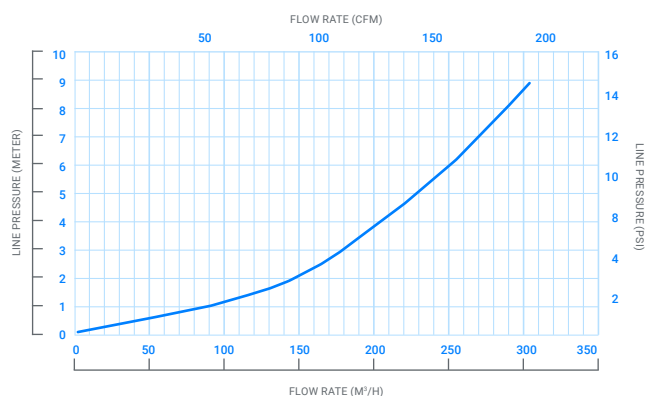
#	PART	MATERIAL
1	BASE	PA GF
2	O-RING	NBR
3	BODY	PA GF
4	FLOAT	POM
5	SEAL	EPDM
6	COVER	POM

#	PART	MATERIAL
1	BODY	PA GF
2	RING	PA GF
3	FLOAT	POM
4	SEAL	EPDM
5	COVER	PA GF

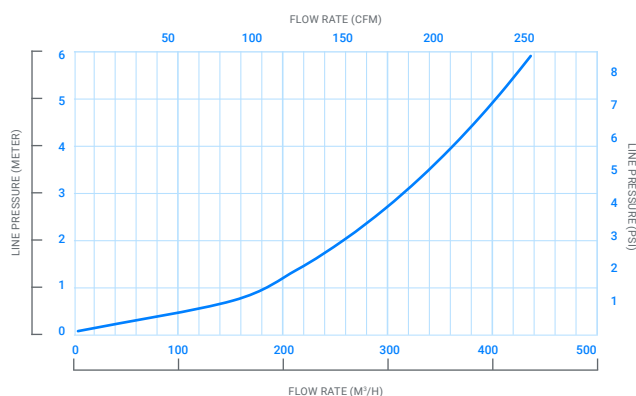
VALVE	20 MM / ¾"		25 MM / 1"		50 MM / 2"	
DIMENSIONS	SI	US	SI	US	SI	US
D - THREAD	¾" BSP	¾" NPT	1" BSP	1" NPT	2" BSP	2" NPT
H - HEIGHT	132 MM	5.2"	132 MM	5.2"	132 MM	5.2"
A - NOZZLE AREA	380 MM ²	0.59 IN. ²	380 MM ²	0.59 IN. ²	804 MM ²	1.25 IN. ²
WEIGHT	470 G	1.04 LBS.	470 G	1.04 LBS.	1052 G	2.32 LBS.

→ PERFORMANCE

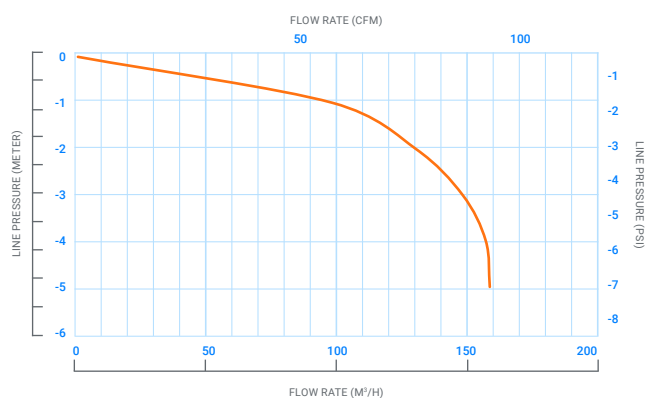
DISCHARGE DATA (FREE AIR FLOW) - ¾", 1"



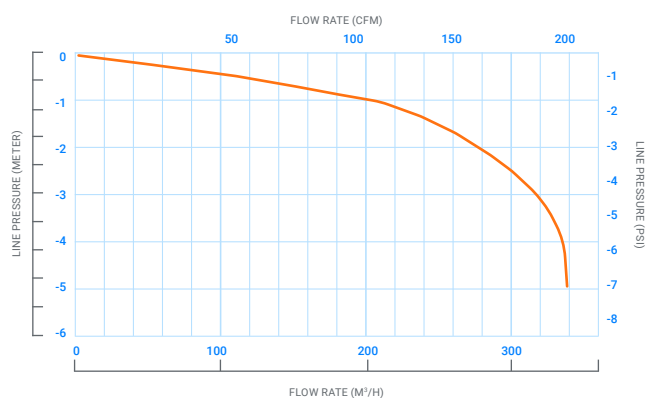
DISCHARGE DATA (FREE AIR FLOW) - 2"



INFLOW DATA (FREE AIR FLOW) - ¾", 1"



INFLOW DATA (FREE AIR FLOW) - 2"



→ CATALOG NUMBERS

DIAMETER	CONNECTION	CATALOG NUMBER
¾"	BSP	32600-005912
	NPT	32600-006000
1"	BSP	32600-006004
	NPT	32600-006001
2"	BSP	32600-006003
	NPT	32600-006002

→ PACKAGING DATA

DIAMETER	UNITS PER BOX	BOXES FOR PALLET
¾"	12	70
1"	12	70
2"	10	70

/ Water Meters

Multi-Jet™

Simple & reliable multi jet meters, designed for accurate measurement of low flows.



MODEL M ½- 1¼



Light



Precise



Reliable

/ Benefits & Features

- ✓ Starting to measure in very low flows
- ✓ Optional hot water version and polymer version
- ✓ All outputs are volumetric dry contact



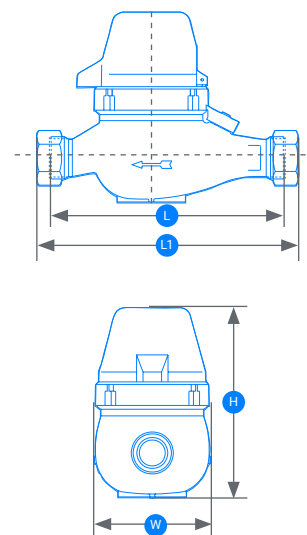
MODEL MS 1½- 2

/ Specifications & Recommendations

- **Maximum Working Pressure:** 10 bar
- **Maximum Working Temperature:** 50°C, 90°C - for hot water
- The meter should be installed in horizontal position dial face up
- Pipeline must be flushed before installation
- The meter should be constantly full of water

→ TECHNICAL DIMENSIONS

MODEL		M15 (SHORT)	M20	M25	M32	MS40	MS50
DIAMETER	MM	15	20	25	30	40	50
	INCH	½	¾	1	1¼	1½	2
L - LENGTH WITHOUT COUPLINGS (MM)		165	190	260	260	300	300
L1 - LENGTH WITH COUPLINGS (MM)		260	285	375	375	435	460
W- WIDTH (MM)		95	95	105	105	125	160
H - HEIGHT (MM)		102	108	108	108	140	190
WEIGHT (KG)		1.5	2	2.8	2.8	4.1	8
WEIGHT WITH COUPLINGS (KG)		1.7	2.3	3.3	3.45	5.1	9.4
WEIGHT (PLASTIC BODY) (KG)		0.55	0.6	0.65	0.66	-	-



→ PERFORMANCE DATA

MODEL	NOMINAL SIZE (INCH)	Q1 MINIMUM FLOWRATE (M³/H)	Q2 TRANSITIONAL FLOWRATE (M³/H)	Q3 NOMINAL FLOWRATE (M³/H)	Q4 MAXIMUM FLOWRATE (M³/H)	R Q3/ Q1	INDICATING RANGE (M³/H)	ACCURACY BETWEEN Q4 & Q2	ACCURACY BETWEEN Q2 & Q1
M15	½	0.032	0.051	1.6	2	50	999,999	±2%	±5%
M20	¾	0.050	0.080	2.5	3.125	50			
M25	1	0.080	0.128	4	5	50			
M32	1¼	0.126	0.202	6.3	7.875	50			
MS40	1½	0.100	0.160	10	12.5	100			
MS50	2	0.320	0.512	16	20	50			

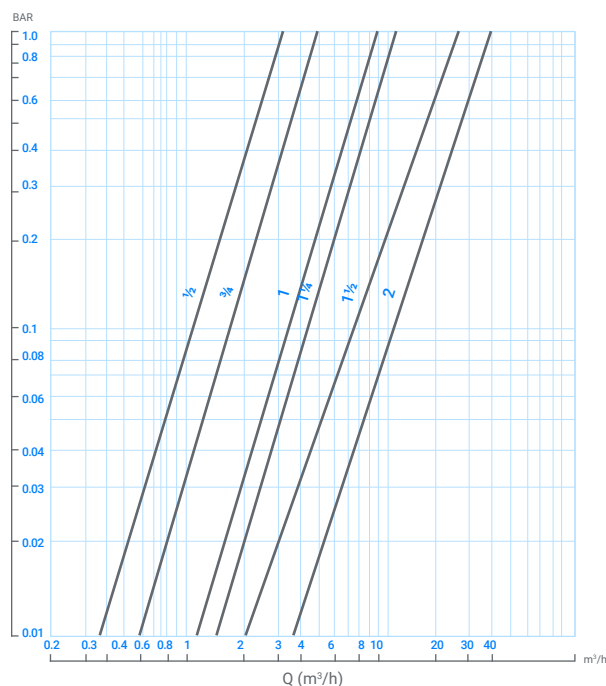
→ CATALOG NUMBERS

DIAMETER	CONNECTION TYPE	PULSE RESOLUTION	CATALOG NUMBER
½"	BSP	NONE	70240-000800
		1L	70240-000900
		10L	70240-001000
¾"		NONE	70240-001733
		1L	70240-021004
		10L	70240-021005
1"		NONE	70240-021020
		1L	70240-021021
		10L	70240-021022
1¼"		NONE	70240-021041
		1L	70240-021042
		10L	70240-021045
1½"	BSP	NONE	70240-021071
		10L	70240-021072
		100L	70240-021073
2"		NONE	70240-002100
		10L	70240-002200
		100L	70240-002300

* Additional pulse resolutions available upon request

** Catalog numbers referring to metal Multi-Jets

→ HEAD LOSS



Woltman Type

MECHANICAL REGISTER

Exceptionally accurate Woltman meters with top of line performances, suitable for a wide range of applications and flow measurements.



STANDARD MODEL



Accurate



Durable



Remarkable



Benefits & Features

- ✓ Only the impeller is in constant contact with the water
- ✓ Extremely resistant to any working conditions
- ✓ Available with all required pulse rates

Specifications & Recommendations



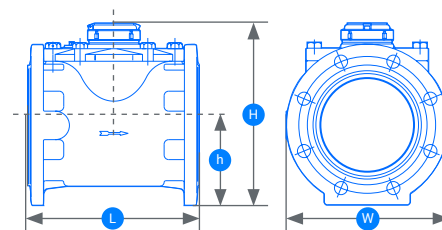
WMR MODEL

- **Maximum Working Pressure:** 16 bar
- **Maximum Working Temperature:** 60°C
- The meter shall be full of water while operating.
- Prior to installation of a meter, the pipeline shall be thoroughly flushed
- **Requirements for straight pipe section:** D5 / D3

→ TECHNICAL DIMENSIONS

DIAMETER	MM	50*	50	65	80	100	150	200	250	300
	INCH	2	2	2½	3	4	6	8	10	12
L - LENGTH (MM)		200	200	200	230	250	300	350	450	500
W - WIDTH (MM)		98	165	185	200	220	283	340	406	489
H - HEIGHT (MM)		40	239	254	259	275	344	377	463	505
h - HEIGHT (MM)		2.3	70	84	90	106	130	158	258	330
WEIGHT (KG)		3.7	12.5	15	15.5	19	35.5	41	80	95

* Referring to WMR model



→ PERFORMANCE DATA

DIAMETER		Q1 MINIMUM FLOWRATE (M³/H)	Q2 TRANSI- TIONAL FLOWRATE (M³/H)	Q3 NOMINAL FLOWRATE (M³/H)	Q4 MAXIMUM FLOWRATE (M³/H)	STARTING FLOW (M³/H)	MAXIMUM REGISTER CAPACITY (M³/H)	R Q3/ Q1	ACCURACY BETWEEN Q4 & Q2	ACCURACY BETWEEN Q2 & Q1
MM	INCH									
50*	2	0.45	2	20	40	0.15	10 ⁶	44.4	±2%	±5%
50	2	0.63	1.01	63	78.75	0.15	10 ⁶	100		
65	2½	0.63	1.01	63	78.75	0.15	10 ⁶			
80	3	1	1.6	100	125	0.25	10 ⁶			
100	4	1.6	2.56	160	200	0.3	10 ⁷ /10 ⁶			
150	6	2.5	4	250	312.5	0.8	10 ⁷ /10 ⁶	50	±2%	±5%
200	8	12.6	20.16	630	787.5	2	10 ⁸			
250	10	20	32	1000	1250	3	10 ⁸			
300	12	20	32	1000	1250	4	10 ⁸			

* Referring to WMR model

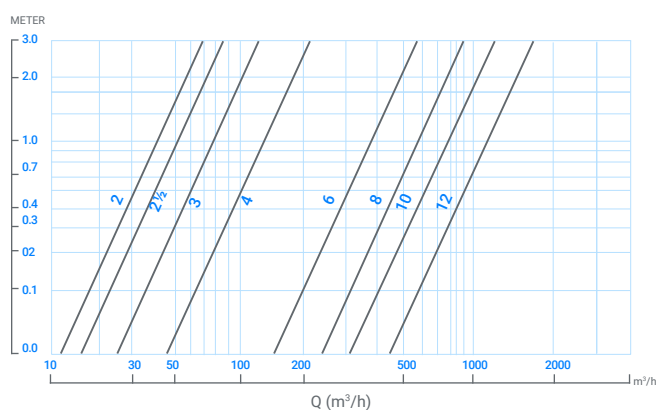
→ CATALOG NUMBERS FOR WOLTMAN TYPE WATER METER WITH MECHANICAL REGISTER

DIAMETER	CONNECTION TYPE	PULSE RESOLUTION	CATALOG NUMBER
2"	BSP (WMR)	NONE	70240-002400
		10L	70240-002500
		100L	70240-002550
	ISO	NONE	70240-021200
		10L	70240-021202
		100L	70240-021203
	BSTD	NONE	70240-021350
		10L	70240-021351
		100L	70240-021352
	ANSI	NONE	70240-021300
		10L	70240-021302
		100L	70240-021324
3"	ISO	NONE	70240-021208
		10L	70240-021210
		100L	70240-021211
	BSTD	NONE	70240-021358
		10L	70240-021360
		100L	70240-021361
	ANSI	NONE	70240-021304
		10L	70240-021305
		100L	70240-021306
4"	ISO	NONE	70240-021213
		10L	70240-021216
		100L	70240-021217
	BSTD	NONE	70240-021363
		10L	70240-021365
		100L	70240-021366
	ANSI	NONE	70240-021308
		10L	70240-021310
		100L	70240-021311

* Additional diameters, flange types and pulse resolutions available upon request

DIAMETER	CONNECTION TYPE	PULSE RESOLUTION	CATALOG NUMBER
6"	ISO	NONE	70240-021219
		100L	70240-021221
		1M ³	70240-021222
	BSTD	NONE	70240-021368
		100L	70240-021369
		1M ³	70240-021370
	ANSI	NONE	70240-021312
		100L	70240-021314
		1M ³	70240-021315
8"	ISO	NONE	70240-021223
		1M ³	70240-021225
	BSTD	NONE	70240-021372
		1M ³	70240-021373
	ANSI	NONE	70240-021317
		1M ³	70240-021318
10"	ISO	NONE	70240-021226
		1M ³	70240-021228
	BSTD	NONE	70240-021375
		1M ³	70240-021376
	ANSI	NONE	70240-021320
		1M ³	70240-021321

→ HEAD LOSS



→ **CATALOG NUMBERS** FOR WOLTMAN TYPE WATER METER WITH ELECTRONIC REGISTER

DIAMETER	FLANGE TYPE	PULSE RESOLUTION	CATALOG NUMBER
2"	ISO	10L X 100L	70240-021199
	BSTD	10L X 100L	70240-021198
3"	ISO	10L X 100L	70240-007509
	BSTD	10L X 100L	70240-007508
	ANSI	10L X 100L	70240-021400
4"	ISO	10L X 100L	70240-003862
	BSTD	10L X 100L	70240-003861
	ANSI	10L X 100L	70240-021405
6"	ISO	100L X 1M3	70240-004665
	BSTD	100L X 1M3	70240-021390
	ANSI	100L X 1M3	70240-004130
8"	ISO	100L X 1M3	70240-008612
	BSTD	100L X 1M3	70240-008710
	ANSI	100L X 1M3	70240-004660

* Additional diameters, flange types and pulse resolutions are available upon request

NOTE: MUST ORDER

DESCRIPTION	CATALOG NUMBER
PULSE CABLE FOR DIGITAL REGISTER	70220-030000



Octave™

ULTRASONIC TYPE

Octave™, a high-end ultrasonic meter, with a revolutionary technology and no moving parts, designed for maximum accuracy and minimal maintenance.



Accurate



Durable



Remarkable

Benefits & Features

- ✓ Suitable to changing conditions (high & low flows)
- ✓ Extremely high accuracy & negligible head loss
- ✓ Programmable features and clear display



Specifications & Recommendations

- **Maximum Working Pressure:** 16 bar
- **Liquid Temperature:** 0.1 up to 50°C
- **Power Source:** 2 D size Li-battery: up to 15 years life time

- **Volume Display Options:** 1. Net (Forward less reverse) 2. Forward only 3. Reverse only 4. Forward & reverse alternating
- The meter must be full with water all the time
- For details view the installation manual

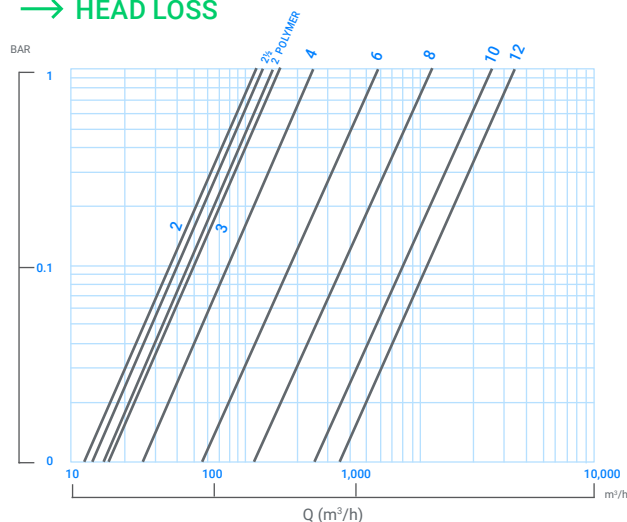
→ PERFORMANCE DATA

METER SIZE	Q1 MIN. FLOWRATE (M³/H)	Q2 TRANSITIONAL FLOWRATE (M³/H)	Q3 PERMANENT FLOW RATE (M³/H)	Q4 OVERLOAD FLOW RATE (M³/H)	Q3/Q1 (R VALUE)	STARTING FLOW (M³/H)
DN 40-1½"	0.160	0.256	40	50	250	0.025
DN 50-2"	0.080	0.125	40	50	500	0.025
DN 65-2½"	0.080	0.125	40	50	500	0.025
DN 80-3"	0.125	0.200	63	80	500	0.025
DN 100-4"	0.200	0.320	100	125	500	0.025
DN 150-6"	0.500	0.800	250	313	500	0.2
DN 200-8"	0.800	1.280	400	500	500	0.2
DN 250-10"	2	3.2	1000	1250	500	0.5
DN 300-12"	2	3.2	1000	1250	500	0.5

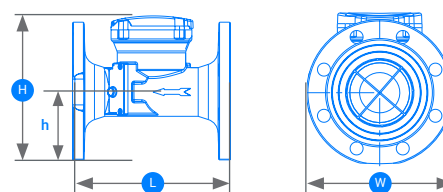
→ TECHNICAL DIMENSIONS

DIAMETER	MM	40 THRD.	50 THRD.	50	65	80	100	150	200	250	300
	INCH	1½ THRD.	2 THRD.	2	2½	3	4	6	8	10	12
L - LENGTH WITHOUT COUPLINGS (MM)		300	300	200	200	225	250	300	350	449	499
W - WIDTH (MM)		113	113	165	185	200	220	285	340	406	489
H - HEIGHT (MM)		155	155	194	210	210	223	282	332	383	456
h - HEIGHT (MM)		35	35	40	90	90	103	140	165	203	245
WEIGHT (KG) - CAST IRON BODY			8	9	11.5	13	15	32	45	68	96
WEIGHT (KG) - POLYMER BODY		1.4	1.45								
WEIGHT (KG) - STAINLESS STEEL BODY		4	4	6		7	9.5	16			

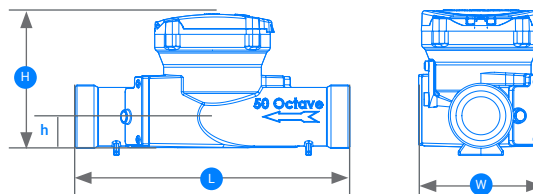
→ HEAD LOSS



FLANGED



THREADED



→ CATALOG NUMBERS

MATERIAL	DIAMETER	CONNECTION TYPE	CATALOG NUMBER
CAST IRON	2"	ISO	70240-014020
		BSTD	70240-014000
		ANSI	70240-013975
	3"	ISO	70240-014120
		BSTD	70240-014100
		ANSI	70240-014155
	4"	ISO	70240-014250
		BSTD	70240-014200
		ANSI	70240-021452
	6"	ISO	70240-014300
		BSTD	70240-014350
		ANSI	70240-021453
	8"	ISO	70240-014400
		BSTD	70240-014450
		ANSI	70240-021454
	10"	ISO	70240-014490
		BSTD	70240-014500
		ANSI	70240-021455
	12"	ISO	70240-014550
		BSTD	70240-014560
		ANSI	70261-000485

MATERIAL	DIAMETER	CONNECTION TYPE	CATALOG NUMBER
PLASTIC	1½"	BSP	70240-013910
	2"		70240-013982
STAINLESS STEEL	2"	BSP	70240-000205
		ISO	70240-000206
		BSTD	70240-000200
		ANSI	70240-021490
	3"	ISO	70240-000207
		BSTD	70240-000201
		ANSI	70240-021491
	4"	ISO	70240-000208
		BSTD	70240-000202
		ANSI	70240-021492
	6"	ISO	70240-000209
		BSTD	70240-000203
		ANSI	70240-021493

→ MODULE TYPE

MODULE TYPE	CATALOG NUMBER
SOLID STATE RELAY	70220-060410
OPEN DRAIN	70220-060400
4-20MA	70220-011565

Sonata™

DUAL PULSE OUTPUT

The Sonata is an advanced and highly accurate ultrasonic water meter for irrigation applications.



Simple



Accurate



Reliable

/ Benefits & Features

- ✓ Advanced and highly accurate ultrasonic water meter for irrigation applications
- ✓ Starts measuring in extremely low flow rates
- ✓ Two independent digital output channels

/ Specifications & Recommendations

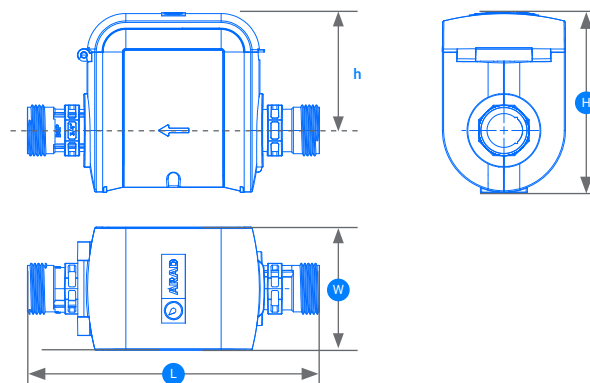
- **Maximum Working Pressure:** 16 bar
- **Maximum Water Temperature:** 50°C
- The meter can be installed in any position (horizontal, vertical or inclined)
- Prior to the installation of a new meter, the pipeline must be flushed

→ PERFORMANCE DATA

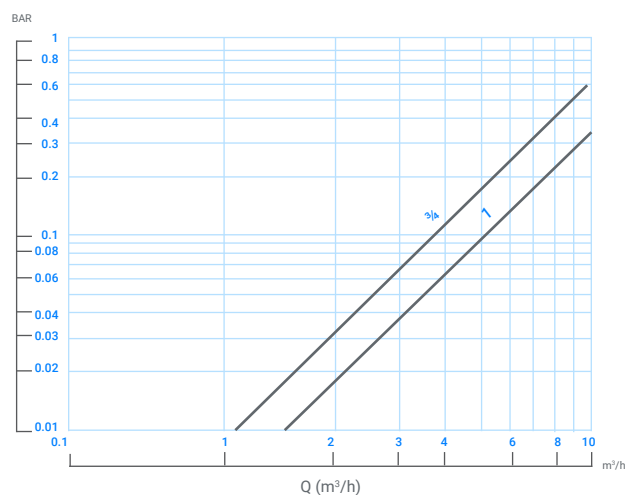
MODEL	Q1 MINIMUM FLOWRATE (L/H)	Q2 TRANSITIONAL FLOWRATE (L/H)	Q3 NOMINAL FLOWRATE (M ³ /H)	Q4 MAXIMUM FLOWRATE (M ³ /H)	STARTING FLOW (L/H)	Q3/Q1 (R VALUE)
SONATA 20	5	8.0	2.5	3.1	2	500
	8	12.8	4.0	5.0	2	
SONATA 25	12.6	20.2	6.3	7.9	3	

→ TECHNICAL DIMENSIONS

MODEL	¾"	1"
SIZE	DN20	DN25
L - LENGT (MM)	190	260
H - OVERALL HEIGHT (MM)	117	121
h - HEIGHT ABOVE AXIS (MM)	80	82
W - WIDTH (MM)	80	80
THREADS	BSP	
WEIGHT (KG)	0.900	



→ HEAD LOSS



→ CATALOG NUMBERS

MATERIAL	SIZE	END CONNECTION	CATALOG NUMBER
PLASTIC	¾"	NPT	70240-001621
		BSP	70240-001622
	1"	NPT	70240-001623
		BSP	70240-001624

* All Sonata water meters come with couplings set

Model KB

VOLUMETRIC VALVE

Volume based irrigation device, consisting of a water meter, a volume control dial and a valve all contained in a single unit.



Compact



Reliable



Robust

/ Benefits & Features

- ✓ Negligible head loss
- ✓ Simple maintenance
- ✓ Field replaceable measuring unit
- ✓ Hermetically sealed register with glass lens
- ✓ Bearings are constantly flushed during operation to eliminate deposit of solids

/ Specifications & Recommendations

- **Maximum Working Temperature:** 60°C
- The meter should be installed in horizontal position

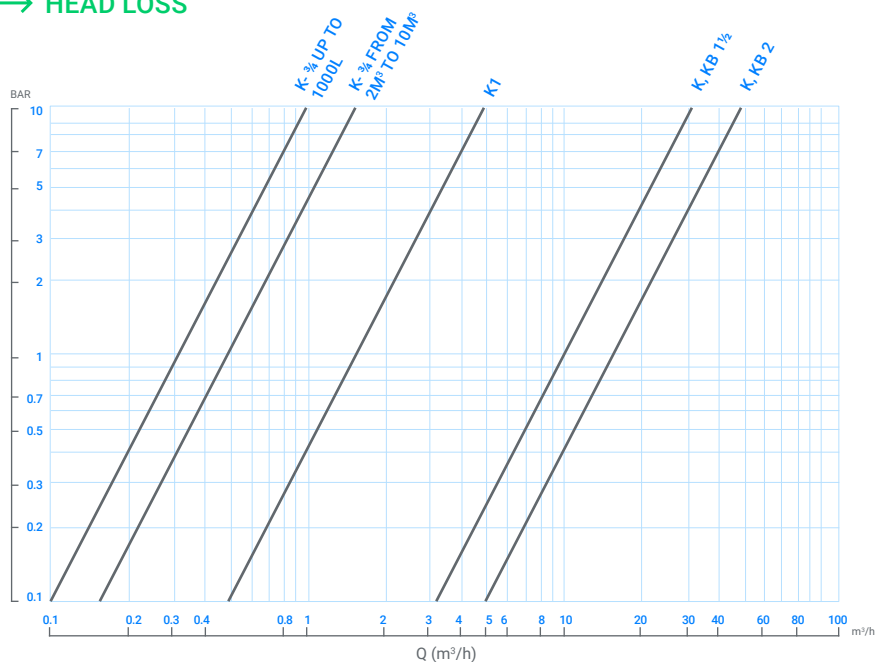
→ TECHNICAL DIMENSIONS

MODEL		K				KA	KB		KBA
NOMINAL SIZE	(MM) (INCH)	20	25	40	50	50	40	50	50
L – LENGTH WITHOUT COUPLINGS (MM)		130	200	160	190	158	160	190	190
H – HEIGHT (MM)		86	115	203	235	265	203	235	290
A – (MM)		-	-	-	-	96	-	-	97
C – (MM)		-	-	-	-	122	-	-	122
B – WIDTH (MM)		102	90	126	126	126	126	126	126
WEIGHT (KG)		0.3	0.5	2.3	4.4	4	2.9	4.7	4.5
WEIGHT WITH COUPLINGS (KG)		-	-	3.3	5.8	5.4	3.9	6.1	-

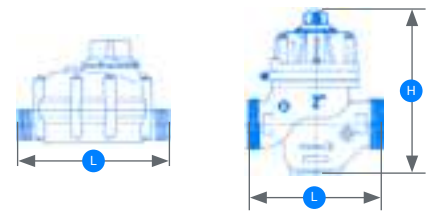
→ PERFORMANCE DATA

MODEL	NOMINAL SIZE (INCH)	MAXIMUM WORKING PRESSURE (BAR)	MINIMUM WORKING PRESSURE (BAR)	QMAX MAXIMUM FLOW RATE (M ³ /H)	QMIN MINIMUM FLOW RATE (M ³ /H)	REGULATED FLOW RATE
K/KA	¾"	10	0.5	1.5	0.08	±2%
	1"	8	0.5	5	0.5	
	1½"	10	1	15	1.5	
	2"	10	1	30	2	
KB/KBA	1½"	10	1.3	15	1.5	
	2"	10	1.3	30	2	

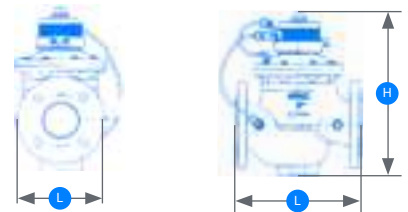
→ HEAD LOSS



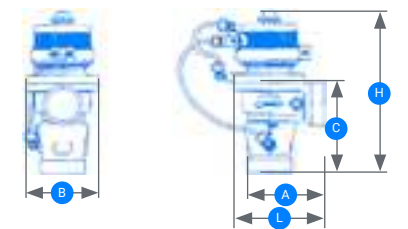
MODEL K



MODEL KB



MODEL KBA



Model BM

The BM hydrometers series are designed for remote control irrigation and for industrial applications. The hydrometer is especially suited for automated operation.



Compact



Reliable



Robust

/ Benefits & Features

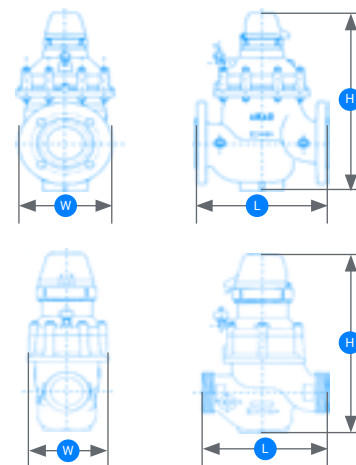
- ✓ The hydrometer may be used in a variety of pressure and flow regulation applications
- ✓ Double-chambered hydraulic valve designed for high-pressure operation
- ✓ Enable remote and automatic transmission of hydraulic commands

/ Specifications & Recommendations

- **Maximum Working Pressure:** 16 bar
- The meter should be installed in horizontal or vertical position
- The meter must be always full of water while operating
- Prior to the installation of a new meter, the pipeline must be flushed out

→ TECHNICAL DIMENSIONS

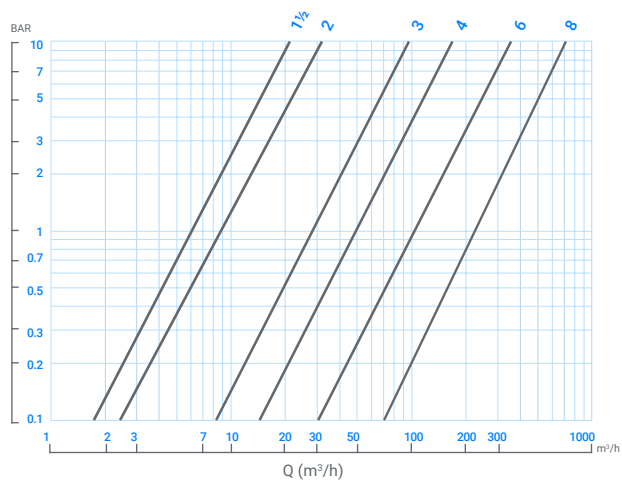
NOMINAL SIZE	(MM)	40	50	80	100	150	200
	(INCH)	1½	2	3	4	6	8
L - LENGTH (MM)		160	190	285	324	500	600
H - HEIGHT (MM)		266	331	433	456	581	782
H - (MM)		-	-	-	-	-	-
A - (MM)		-	-	-	-	-	-
W - WIDTH (MM)		124	124	205	230	380	450
WEIGHT (KG)		4.5	6.5	24.5	30.5	120	150
WEIGHT WITH COUPLINGS (KG)		5.5	8	-	-	-	-



→ PERFORMANCE DATA

NOMINAL SIZE		QMAX MAXIMUM FLOWRATE (M³/H)	QN NOMINAL FLOWRATE (M³/H)	QT TRANSITIONAL FLOWRATE (M³/H)	QMIN MINIMUM FLOWRATE (M³/H)	MINIMUM REGISTER CAPACITY (M³/H)	MINIMUM REGISTER CAPACITY (LITER)	ACCURACY BETWEEN QMAX & QT	ACCURACY BETWEEN QT & QMIN
(MM)	(INCH)								
40	1½	30	20	1.3	0.4	10 ⁶	1	±2%	±5%
50	2	50	30	3	0.45	10 ⁶	1		
80	3	130	65	8	1.2	10 ⁶	1		
100	4	200	100	12	1.8	10 ⁷	10		
150	6	300	150	30	4.5	10 ⁷	10		
200	8	540	270	50	7.5	10 ⁷	10		

→ HEAD LOSS



Ultraf™

An ultrasonic water meter, a hydraulic valve, and a smart system for water measurement, pressure control and pressure management.



Innovative



Simplifying



Reliable

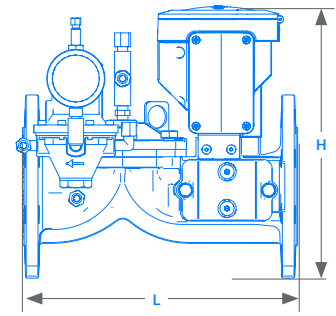
/ Benefits & Features

- ✓ Simple to install and operate
- ✓ Single compact unit, space saving
- ✓ No moving parts
- ✓ Battery operated with extended battery life
- ✓ Minimal maintenance
- ✓ High level protection, according to IP68
- ✓ Pressure control
- ✓ Bluetooth App for field programming
- ✓ Optional cards (digital and analog output)
- ✓ Low head loss



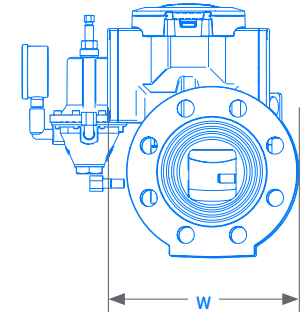
→ TECHNICAL DIMENSIONS

DIAMETER	MM	50	80	100	150	200
	INCH	2	3	4	5	8
LENGTH (MM)		260	300	350	500	600
HEIGHT (MM)		270	300	320	380	420
WIDTH (MM)		190	223	240	320	370
WEIGHT (KG)		10	15	23	44	67

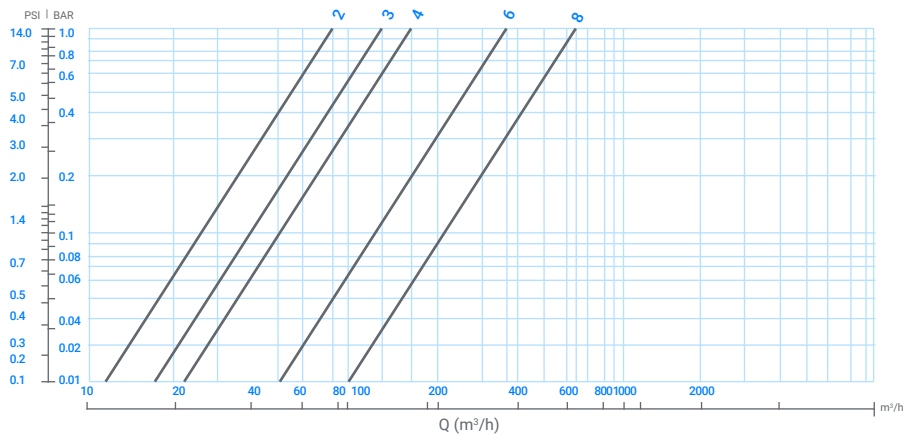


→ HYDRAULIC PERFORMANCE

FLOWRATE (M ³ /H)	DN 40-1½"	DN 50-2"	DN 80-3"	DN 100-4"	DN 150-6"	DN 200-8"
Q1 MINIMUM FLOW RATE	0.16	0.25	0.63	0.8	2	3.2
Q2 TRANSITIONAL FLOW RATE	0.256	0.4	1	1.28	3.2	4
Q3 PERMANENT FLOW RATE	16	25	63	100	250	400
Q4 OVERLOAD FLOW RATE	20	31.25	78.75	125	312.5	500
MAX. FLOW DOR SHORT PERIOD (M ³ /H)	30	50	125	200	400	600



→ HEAD LOSS



/ Filters

MANUAL DISC FILTERS

$\frac{3}{4}$ ", 1", 1½"

Manual disc filters are engineered for efficient operation year after year. Plastic rings stack together creating a cylindrical filter element. During filtration, the rings are compressed together effectively filtering the water and protecting the system from clogging.



Durable
Materials



High
Efficiency

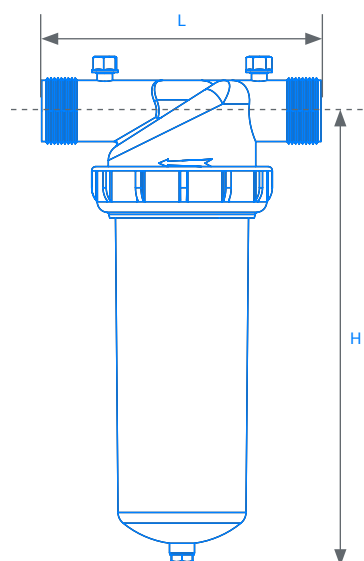
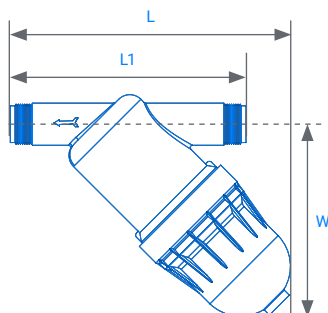


Ease of
Maintenance

Benefits & Features

- ✓ Innovative filter design captures and retains large amounts of solids
- ✓ Operation is easy and requires no special tools
- ✓ Excellent corrosion resistance
- ✓ Long life span
- ✓ Polyamide housing - resistant to harsh environmental conditions ($\frac{3}{4}$ " PBT housing)

→ TECHNICAL DIMENSIONS



NOTE: Technical dimension sketches are not in proportional view

→ TECHNICAL DATA



3/4" W/O VALVE, 3/4" FILTAP (WITH VALVE)

	3/4" W/O VALVE
MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	4 M ³ /H
FILTRATION SURFACE AREA	160 CM ²
FILTRATION VOLUME	95 CM ³
L - DISTANCE BETWEEN CONNECTIONS	151 MM / 5.94"
L1 - TOTAL LENGTH	179 MM / 7.04"
H - HEIGHT	122 MM / 4.81"
WEIGHT	0.37 KG



1", 1" SUPER

	1"	1" SUPER
MAX. PRESSURE	10 BAR	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	6 M ³ /H	8 M ³ /H
55 MICRON	4 M ³ /H	6 M ³ /H
FILTRATION SURFACE AREA	306 CM ²	500 CM ²
FILTRATION VOLUME	360 CM ³	592 CM ³
L - DISTANCE BETWEEN CONNECTIONS	158 MM / 6.22"	158 MM / 6.22"
H - HEIGHT	212 MM / 8.35"	317 MM / 12.49"
WEIGHT	1.1 KG	1.4 KG



1 1/2", 1 1/2" SUPER

	1 1/2"	1 1/2" SUPER
MAX. PRESSURE	10 BAR	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	8 M ³ /H	12 M ³ /H
55 MICRON	5 M ³ /H	8 M ³ /H
FILTRATION SURFACE AREA	306 CM ²	500 CM ²
FILTRATION VOLUME	360 CM ³	592 CM ³
L - DISTANCE BETWEEN CONNECTIONS	201 MM / 7.91"	201 MM / 7.91"
H - HEIGHT	219 MM / 8.63"	324 MM / 12.77"
WEIGHT	1.3 KG	1.5 KG

MANUAL DISC FILTERS

2", 3"

Manual disc filters are engineered for efficient operation year after year. Plastic rings stack together creating a cylindrical filter element. During filtration, the rings are compressed together effectively filtering the water and protecting the system from clogging.



Durable
Materials



High
Efficiency

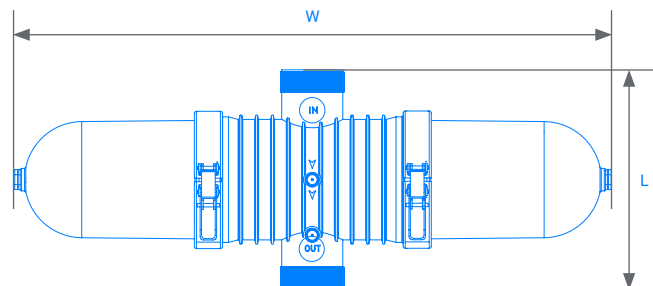
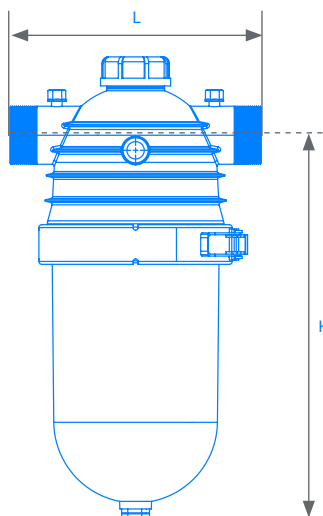


Ease of
Maintenance

/ Benefits & Features

- ✓ Innovative filter design captures and retains large amounts of solids
- ✓ Operation is easy and requires no special tools
- ✓ Excellent corrosion resistance
- ✓ Long life span
- ✓ **2" Dual filter** - Angle or in-line outlet options for maximum flexibility
- ✓ **3" Twin filter** - Largest filtration area of comparable products
- ✓ Polyamide housing - resistant to harsh environmental conditions

→ TECHNICAL DIMENSIONS



NOTE: Technical dimension sketches are not in proportional view

→ TECHNICAL DATA



2" LINE/DUAL

MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	25 M ³ /H
70 MICRON	20 M ³ /H
55 MICRON	17 M ³ /H
20 MICRON	8 M ³ /H
FILTRATION SURFACE AREA	950 CM ²
FILTRATION VOLUME	1225 CM ³
L - DISTANCE BETWEEN CONNECTIONS	260 MM / 10.24"
H - HEIGHT	395 MM / 15.57"
WEIGHT	5 KG



3" TWIN

MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	50 M ³ /H
70 MICRON	40 M ³ /H
55 MICRON	34 M ³ /H
20 MICRON	16 M ³ /H
FILTRATION SURFACE AREA	1900 CM ²
FILTRATION VOLUME	2450 CM ³
L - DISTANCE BETWEEN END CONNECTIONS	320 MM / 12.6"
W - TOTAL WIDTH	870 MM / 34.25"
WEIGHT (FLANGED)	13.95 KG
WEIGHT (VICTAULIC, THREADED)	9.85 KG

MANUAL DISC FILTERS

2", 3" LEADER

Manual disc filters are engineered for efficient operation year after year. Plastic rings stack together creating a cylindrical filter element. During filtration, the rings are compressed together effectively filtering the water and protecting the system from clogging.



Durable
Materials



High
Efficiency

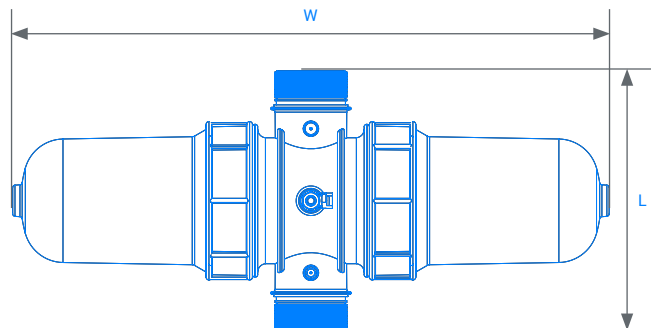
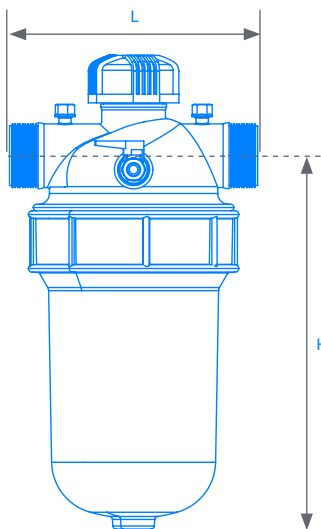


Ease of
Maintenance

/ Benefits & Features

- ✓ Innovative filter design captures and retains large amounts of solids
- ✓ Operation is easy and requires no special tools
- ✓ Long life span
- ✓ Easy to open, clean and close
- ✓ Suitable for all commonly used fertilizers and acids
- ✓ Suitable for sea and brackish water, high and low pH 2-13
- ✓ Polypropylene housing - excellent chemical resistance

→ TECHNICAL DIMENSIONS



NOTE: Technical dimension sketches are not in proportional view

→ TECHNICAL DATA



2" LEADER

MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	25 M ³ /H
70 MICRON	20 M ³ /H
55 MICRON	17 M ³ /H
20 MICRON	8 M ³ /H
FILTRATION SURFACE AREA	950 CM ²
FILTRATION VOLUME	1225 CM ³
L - DISTANCE BETWEEN CONNECTIONS	230 MM / 9.06"
H - HEIGHT	346 MM / 13.62"
WEIGHT	2 KG



3" LEADER

MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	50 M ³ /H
70 MICRON	40 M ³ /H
55 MICRON	34 M ³ /H
20 MICRON	16 M ³ /H
FILTRATION SURFACE AREA	1900 CM ²
FILTRATION VOLUME	2450 CM ³
L - DISTANCE BETWEEN CONNECTION	320 MM / 12.6"
W - WIDTH	734 MM / 28.9"
DISTANCE BETWEEN END CONNECTIONS	A. 260 MM B.76 MM
WEIGHT (FLANGED)	8 KG
WEIGHT (VICTAULIC, THREADED)	6.3 KG

* Measure are for reference only

MANUAL DISC FILTERS

2" DUAL LITE, 3" TWIN LITE

Manual disc filters are engineered for efficient operation year after year. Plastic rings stack together creating a cylindrical filter element. During filtration, the rings are compressed together effectively filtering the water and protecting the system from clogging.



Durable
Materials



High
Efficiency

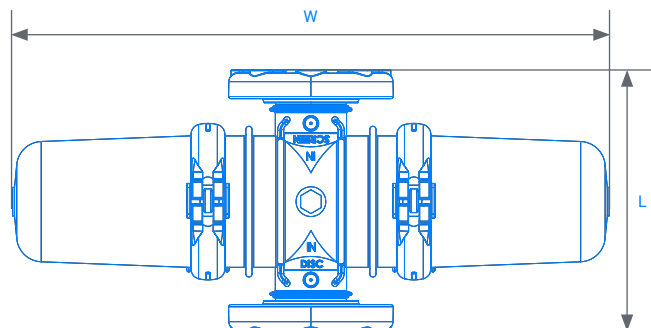
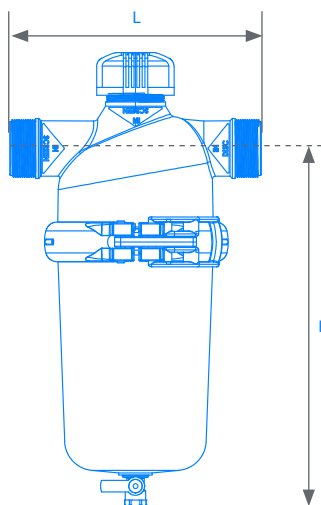


Ease of
Maintenance

Benefits & Features

- ✓ Innovative filter design captures and retains large amounts of solids
- ✓ Operation is easy and requires no special tools
- ✓ Long life span
- ✓ Easy to open, clean and close
- ✓ Suitable for all commonly used fertilizers and acids
- ✓ Suitable for sea and brackish water, high and low pH 2-13
- ✓ Polypropylene housing - excellent chemical resistance
- ✓ Unique polymeric clamp

→ TECHNICAL DIMENSIONS



NOTE: Technical dimension sketches are not in proportional view

→ TECHNICAL DATA



2" DUAL LIGHT

MAX. PRESSURE	8 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	25 M ³ /H
70 MICRON	20 M ³ /H
55 MICRON	17 M ³ /H
20 MICRON	8 M ³ /H
FILTRATION SURFACE AREA	950 CM ²
FILTRATION VOLUME	1225 CM ³
L - DISTNCE BETWEEN CONNECTIONS	260 MM / 10.24"
H - HEIGHT	362 MM / 14.2"
WEIGHT	3 KG



3" TWIN LITE

MAX. PRESSURE	8 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	50 M ³ /H
70 MICRON	40 M ³ /H
55 MICRON	34 M ³ /H
20 MICRON	16 M ³ /H
FILTRATION SURFACE AREA	1900 CM ²
FILTRATION VOLUME	2450 CM ³
L - DISTNCE BETWEEN CONNECTIONS	320 MM / 12.6"
W - FILTER WIDTH	724 MM / 28.5"
WEIGHT (FLANGED)	5.9 KG

* Measure are for reference only

MANUAL DISC FILTERS

3", 4" SUPER ANGLE

Manual disc filters are engineered for efficient operation year after year. Plastic rings stack together creating a cylindrical filter element. During filtration, the rings are compressed together effectively filtering the water and protecting the system from clogging.



Durable
Materials



High
Efficiency

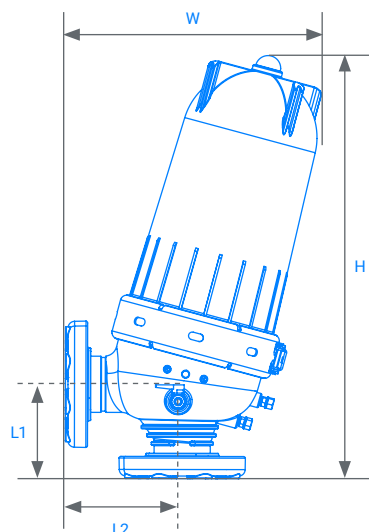


Ease of
Maintenance

Benefits & Features

- ✓ Innovative filter design captures and retains large amounts of solids
- ✓ Operation is easy and requires no special tools
- ✓ Long life span
- ✓ Easy to open, clean and close
- ✓ Suitable for all commonly used fertilizers and acids
- ✓ Suitable for sea and brackish water, high and low pH 2-13
- ✓ Polypropylene housing - excellent chemical resistance

→ TECHNICAL DIMENSIONS



NOTE: Technical dimension sketches are not in proportional view

→ TECHNICAL DATA



3" SUPER ANGLE

MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	50 M ³ /H
55 MICRON	35 M ³ /H
20 MICRON	18 M ³ /H
FILTRATION SURFACE AREA	1852 CM ²
FILTRATION VOLUME	2223 CM ³
H - FILTER HEIGHT	669 MM / 26.36"
W - FILTER WIDTH	397 MM / 15.65"
L1	149 MM / 5.87"
L2	158 MM / 7.28"
WEIGHT (FLANGED)	12.25 KG
WEIGHT (VICTAULIC, THREADED)	11.05 KG



4" SUPER ANGLE

MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	60 M ³ /H
55 MICRON	40 M ³ /H
20 MICRON	20 M ³ /H
FILTRATION SURFACE AREA	1852 CM ²
FILTRATION VOLUME	2223 CM ³
H - FILTER HEIGHT	662 MM / 26.07"
W - FILTER WIDTH	397 MM / 15.65"
L1	145 MM / 5.71"
L2	185 MM / 7.28"
WEIGHT (FLANGED)	13.50 KG
WEIGHT (VICTAULIC, THREADED)	11.40 KG

* Manifold construction material options: Polypropylene, Polyester Coated, Stainless Steel

* Measurements are for reference only

MANUAL DISC FILTERS

4", 6" SUPER LEADER

Manual disc filters are engineered for efficient operation year after year. Plastic rings stack together creating a cylindrical filter element. During filtration, the rings are compressed together effectively filtering the water and protecting the system from clogging.



Durable
Materials



High
Efficiency

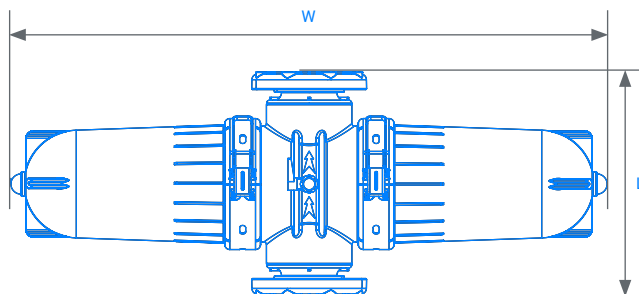


Ease of
Maintenance

Benefits & Features

- ✓ Innovative filter design captures and retains large amounts of solids
- ✓ Operation is easy and requires no special tools
- ✓ Long life span
- ✓ The largest polypropylene disc filters
- ✓ Easy to open, clean and close
- ✓ Suitable for all commonly used fertilizers and acids
- ✓ Suitable for sea and brackish water, high and low pH 2-13
- ✓ Polypropylene housing - excellent chemical resistance

→ TECHNICAL DIMENSIONS



NOTE: Technical dimension sketches are not in proportional view

→ TECHNICAL DATA



4" SUPER LEADER

MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	110 M ³ /H
FILTRATION SURFACE AREA	3704 CM ²
FILTRATION VOLUME	4446 CM ³
L - DISTANCE BETWEEN CONNECTIONS	445 MM / 17.52"
W - FILTER WIDTH	1184 M / 46.61"
WEIGHT	24.65 KG



6" SUPER LEADER

MAX. PRESSURE	10 BAR
FLOW RATE: 400-100 MICRON (40-140 MESH)	160 M ³ /H
FILTRATION SURFACE AREA	3704 CM ²
FILTRATION VOLUME	4446 CM ³
L - DISTANCE BETWEEN CONNECTIONS	415 MM / 16.34"
W - FILTER WIDTH	1184 MM / 46.61"
WEIGHT	26.40 KG

2" SpinKlin™ Compact DISC FILTERS

Automatic Compact (stand alone) disc filter for low flow rates.



High
Efficiency



Ease of
Maintenance



Robust

/ Benefits & Features

- ✓ Micron-precise depth filtration of solids
- ✓ Innovative disc technology captures and retains large amounts of solids
- ✓ Long-term operation with minimal maintenance
- ✓ Easy and simple operation
- ✓ Short automatic backwash with regulated water volume for a small water footprint
- ✓ Permanently eliminates the need to replace filter media
- ✓ Compact design

/ Specifications & Recommendations

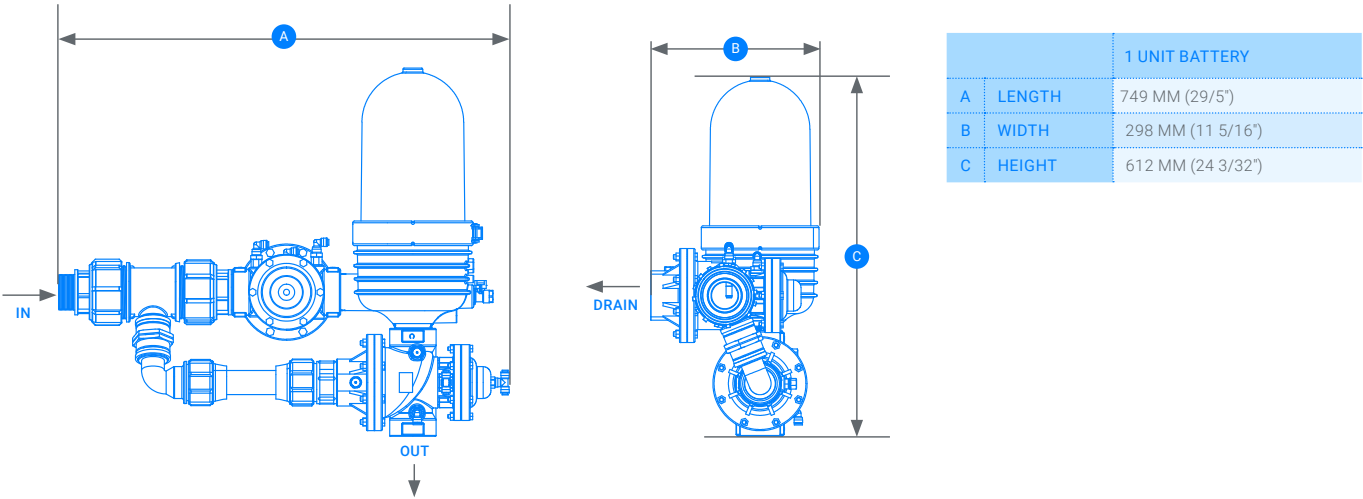
→ GENERAL DATA

Max. working pressure: 10 bar (145 psi)
Min. backwash pressure: 2.8 bar (40.6 psi)
Max. recommended flow rates 130μ: 15 m³/h (66 gpm)
Filtration volume: 1,148 cm³ (70 in³)
Filtration area: 880 cm² (124 in²)
Inlet/Outlet diameter: 50 mm (2")
Max. working temperature: 60°C (140°F)

→ BACKWASH DATA

Exhaust valve: 50 mm (2")
Flushing time: 20 sec
Minimum flow for backwash: 10 m³/h (44 gpm)

→ DIMENSIONS

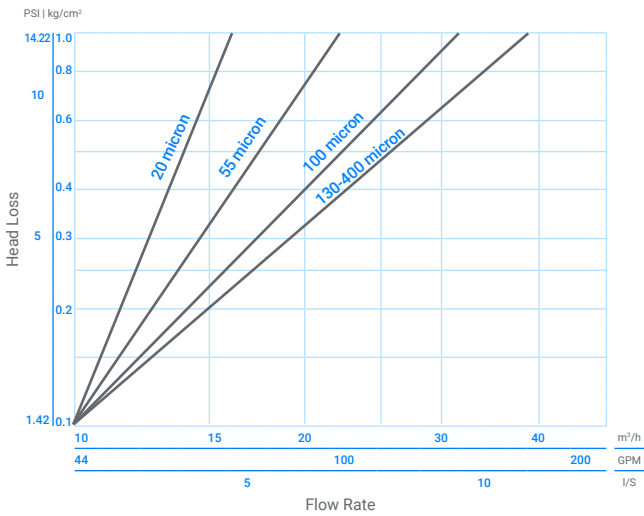


→ LOGISTIC DATA

UNITS	IN/OUT MANIFOLDS	CATALOG NUMBER	DESCRIPTION
1	2"	70605-001005	AK SK S 122 T 130MIC F110AC SOL DC

* Items in the table refer to filtration grade of 130 micron
** Additional filtration grades are available upon request

→ HEAD LOSS



2" SpinKlin™ DISC FILTERS

Modular, all polymeric, automatic disc filters with a patented self-cleaning backwash mechanism.



High
Efficiency



Durable Non
Corrosive Materials



Modular
& Flexible

/ Benefits & Features

- ✓ High filtration efficiency providing maximum protection for your irrigation systems
- ✓ Modular design for ease of installation and expansion
- ✓ Durable and long-lasting product made from anti-corrosive materials
- ✓ Short and efficient backwash process
- ✓ Available for low and high pressure applications - saving water and energy
- ✓ Small footprint - saves valuable space

/ Specifications & Recommendations

- **Maximum operating pressure:**
High pressure model: 10 bar/140 psi
Low pressure model: 6 bar/85 psi
- **Minimum backflush pressure required:**
High pressure model: 2.8 bar/40 psi
Low pressure model: 1.5 bar/21 psi
- **Minimum allowable pH: 5**

→ APPLICATIONS

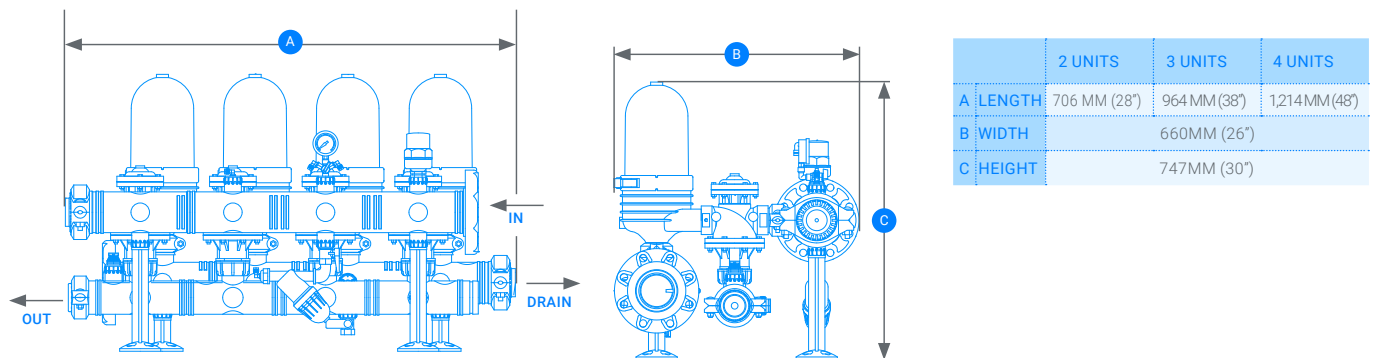
Primary or secondary automatic filter for maximum protection in systems irrigating with surface water that contains algae and other organic matter such as reservoirs, canals, rivers and wastewater applications.

→ TECHNICAL DETAILS

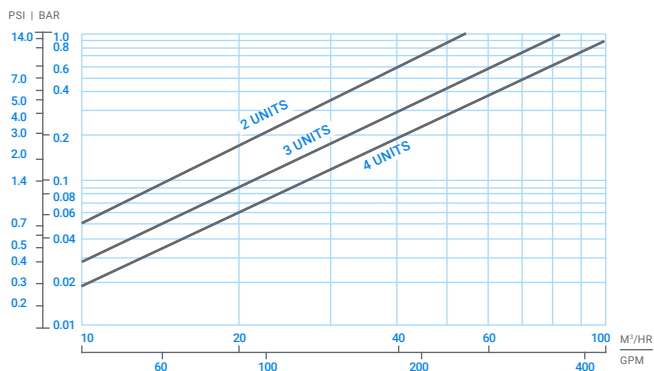
		2 UNITS	3 UNITS	4 UNITS
MAX PRESSURE		10 BAR / 150 PSI		
MIN BACK FLUSH PRESSURE		2.8 BAR / 40 PSI		
RECOMMENDED FLOW RATE (100, 130 MICRONS)	AVERAGE	24 M³/H	36 M³/H	48 M³/H
	POOR	20 M³/H	30 M³/H	40 M³/H
FILTRATION AREA		1,760 CM²	2,640CM²	3,520 CM²
INLET/OUTLET DIAMETER		3"	4"	4"
BACK FLUSH FLOW RATE		10 M³/H		

* Additional configurations are available upon request

→ DIMENSIONS



→ HEAD LOSS



→ DISC COLOR / MESH / MICRON

MODEL	BLUE	YELLOW	RED	BLACK
MESH	40	80	120	140
MICRON	400	200	130	100

→ WATER QUALITY

WATER QUALITY	FILTRATION VELOCITY	2" SPIN KLIN™
GOOD	170	15
AVERAGE	135	12
POOR	110	10

→ LOGISTIC DATA

UNITS	IN/OUT MANIFOLDS	CATALOG NUMBER	DESCRIPTION
1	2"	70605-001005	AK SK S 122 T 130MIC F110AC SOL DC
2	3"	70605-001370	AK SK S 223 UF 130MIC F110AC SOL DC
3	4"	70605-002850	AK SK S 324 UF 130MIC F110AC SOL DC
4	4"	70605-005450	AK SK S 424 UF 130MIC F110AC SOL DC

* Items in the table refer to filtration grade of 130 micron

** Additional filtration grades are available upon request

3" SpinKlin™ DISC FILTERS

Modular, all polymeric, automatic disc filters with a patented self-cleaning backwash mechanism.



High
Efficiency



Durable Non
Corrosive Materials



Modular
& Flexible

/ Benefits & Features

- ✓ High filtration efficiency providing maximum protection for your irrigation systems
- ✓ Modular design for ease of installation and expansion
- ✓ Durable and long-lasting product made from anti-corrosive materials
- ✓ Short and efficient backwash process
- ✓ Available for low and high pressure applications - saving water and energy
- ✓ Small footprint - saves valuable space

/ Specifications & Recommendations

- **Maximum operating pressure:**
High pressure model: 10 bar/140 psi
Low pressure model: 6 bar/85 psi
- **Minimum backflush pressure required:**
High pressure model: 2.8 bar/40 psi
Low pressure model: 1.5 bar/21 psi
- **Minimum allowable pH:** 5

→ APPLICATIONS

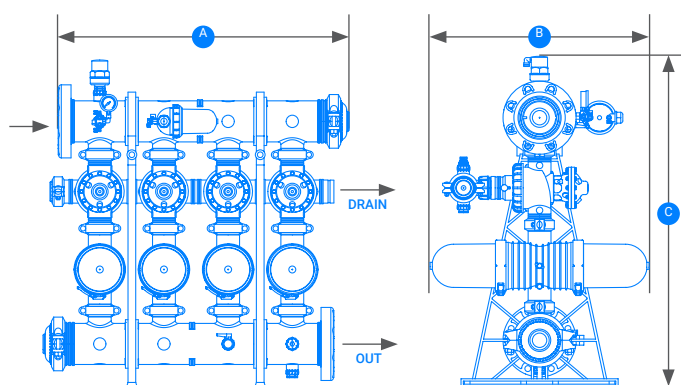
Primary or secondary automatic filter for maximum protection in systems irrigating with surface water that contains algae and other organic matter such as reservoirs, canals, rivers and wastewater applications.

→ TECHNICAL DETAILS

		3 UNITS	4 UNITS	5 UNITS
MAX PRESSURE		10 BAR / 150 PSI		
MIN BACK FLUSH PRESSURE		2.8 BAR / 40 PSI		
RECOMMENDED FLOW RATE (100, 130 MICRONS)	AVERAGE	90 M ³ /H	120 M ³ /H	150 M ³ /H
	POOR	72 M ³ /H	96 M ³ /H	120 M ³ /H
FILTRATION AREA		5,280 CM ²	7,040 CM ²	8,800 M ³ /H
INLET/OUTLET DIAMETER		6"		
BACK FLUSH FLOW RATE		20 M ³ /H		

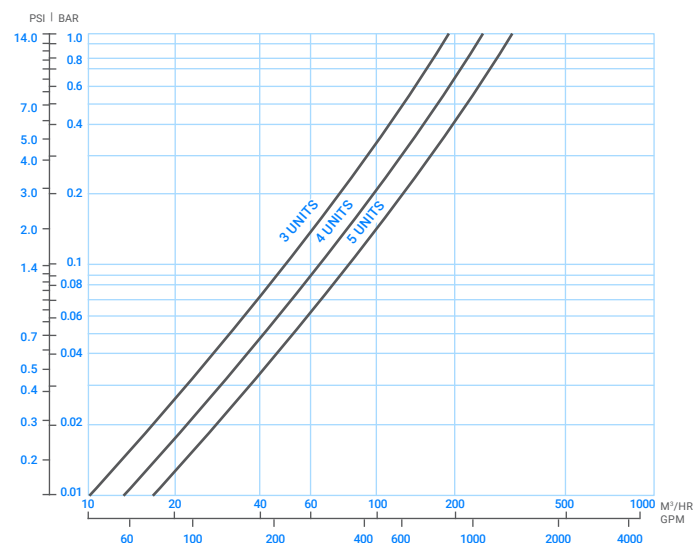
* Additional configurations are available upon request

→ DIMENSIONS



		3 UNITS	4 UNITS	5 UNITS
A	LENGTH	942 MM (37 3/32")	1192 MM (46 15/16")	1442 MM (56 25/32")
B	WIDTH	1442 MM (56 25/32")		
C	HEIGHT	1287 MM (50 21/32")		

→ HEAD LOSS



* Headloss is based on a 130 micron disc

→ DISC COLOR / MESH / MICRON

MODEL	BLUE	YELLOW	RED	BLACK
MESH	40	80	120	140
MICRON	400	200	130	100

→ WATER QUALITY

WATER QUALITY	FILTRATION VELOCITY	3" SPIN KLIN™
GOOD	170	15
AVERAGE	135	12
POOR	110	10

→ LOGISTIC DATA

UNITS	IN/OUT MANIFOLDS	CATALOG NUMBER	DESCRIPTION
3	6"	70605-004320	AK SK S 336 UF 130MIC F110AC SOL DC
4	6"	70605-007020	AK SK S 436 UF 130MIC F110AC SOL DC
5	6"	70605-009720	AK SK S 536 UF 130MIC F110AC SOL DC
6	6"	70605-012820	AK SK S 636 UF 130MIC F110AC SOL DC
7	6"	70605-025235	AK SK S 736 UF 130MIC F1-10AC SOL DC B

* Items in the table refer to filtration grade of 130 micron

** Additional filtration grades are available upon request

ScreenGuard™

MANUAL SCREEN FILTERS

Manual screen filters offer the largest filtration area in the Industry. The result – better filtration efficiency, excellent irrigation uniformity and much less maintenance.



Durable
Materials



Large
Filtration Area



Ease of
Operation

/ Benefits & Features

- ✓ Extremely large filtration area results in lower labor cost due to longer cleaning intervals even in harsh water conditions
- ✓ A semi-automatic feature that can be assembled into the filter
- ✓ The filter screen cylinder is molded with stainless-steel 316 screen incorporating a special weave, providing an extra layer of protection to the irrigation system and making it easier to clean.
- ✓ The plastic filter housing and cover are molded from high quality engineered plastic for mechanical strength, durability and non-corrosiveness
- ✓ A wide range of models with multiple filtration area options covering a wide range of flow rates, ensures a perfect fit for different water quality and protection requirements
- ✓ Multiple configurations and connection types that fits perfectly with any irrigation system
- ✓ Different micron rating screens suited to a variety of applications Highly reliable operation and durable over time

/ Applications

- Primary filtration for small holders, for use with well water and/or single use dripperline applications
- Primary filtration for landscaping applications
- Secondary filtration for media filter systems and sand separators
- In-field secondary filters for enhanced protection

→ LOGISTIC DATA

CATALOG NUMBERS START WITH: **71970 + (ANY OF BELOW 6 DIGITS)**

						BOX				PALLET				
MODEL	CONN. TYPE	100 MIC.	130 MIC.	200 MIC.	QTY. IN BOX	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	GROSS WEIGHT PER BOX	QTY. OF BOXES IN PALLET	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	GROSS WEIGHT PER PALLET
1" FILTER	2" MINI	BSP	000100	000101	000102	520	355	260	6.3	24	535	1,080	2,305	160
		NPT	000110	000111	000112									
	2" REGULAR	BSP	000120	000121	000122				7					179
		NPT	000130	000131	000132									
	2" JUMBO	BSP	000140	000141	000142				8					205
		NPT	000150	000151	000152									
	3" REGULAR	BSP	000200	000201	000202				7					179
		NPT	000210	000211	000212									
		UNF	000220	000221	000222				8.5					215
	3" JUMBO	BSP	000230	000231	000232				8					205
		NPT	000240	000241	000242									
		UNF	000250	000251	000252				9.5					241
DOUBLE FILTER	3" REGULAR DOUBLE	BSP	000260	000261	000262	985	370	260	11.5	24	1,000	1,080	2,305	293
		NPT	000270	000271	000272									
		UNF	000280	000281	000282				13					329
	3" JUMBO DOUBLE	BSP	000290	000291	000292				13.5					345
		NPT	000300	000301	000302									
		UNF	000310	000311	000312				15.5					393
	4" REGULAR DOUBLE	VIC	-	-	-				13					329
		UNF	000320	000321	000322									
	4" JUMBO DOUBLE	VIC	-	-	-				15.5					393
		UNF	000330	000331	000332									

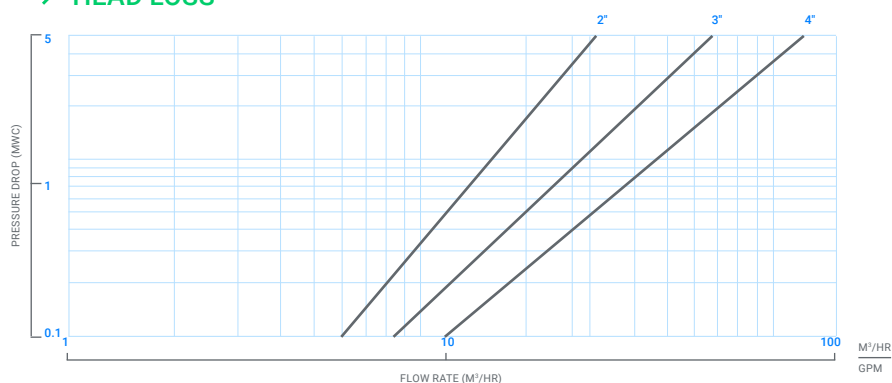
→ TECHNICAL INFORMATION

DESCRIPTION	FILTRATION AREA (CM²)	AVAILABLE CONNECTION TYPES	MAXIMUM REC. FLOW RATE (M³/H)	PRESSURE RATING (BAR)
2" MINI	810	BSP/NPT	15	8
2" REGULAR	1,210		20	
2" JUMBO	1,610		25	
3" REGULAR	1,210	BSP/NPT/UNF	25	
3" JUMBO	1,610		30	
3" DOUBLE	2,420		45	
3" JUMBO DOUBLE	3,220		50	
4" DOUBLE	2,420	UNF/VIC	60	
4" JUMBO DOUBLE	3,220		75	

→ MATERIAL INFORMATION

PART	MATERIAL
BODY	GRP
SEAL	NBR
SCREEN	SST
DRAIN VALVE	PVC

→ HEAD LOSS



ScreenGuard™

SEMI-AUTO SCREEN FILTERS

Filters that provide the industry's best filtration efficiency and allow super-easy cleaning of the screen without opening the filter or shutting of water.



Durable
Materials



Large
Filtration Area



Ease of
Operation

/ Benefits & Features

- ✓ Extremely large filter area results in lower labor cost due to longer cleaning intervals even with dirty water
- ✓ Simple to clean, the screen can be perfectly cleaned with a single turn of the handle without disassembling the filters and without disrupting the irrigation process
- ✓ Ease of installation and maintenance
- ✓ Molded from high quality engineered plastic for mechanical strength, durability and non-corrosiveness
- ✓ The Semi-Automatic assembly can be installed on all Netafim manual Screenguard™ plastic filters
- ✓ The filter screen cylinder is molded with stainless-steel 316 incorporating a special weave, providing an extra layer of protection to the irrigation system and making it easier to clean
- ✓ A wide range of models with multiple filter area options covering a wide range of flow rates, ensures a perfect fit for different water quality and protection requirements
- ✓ Multiple configurations and connection types ensure a perfect fit with any irrigation system
- ✓ Different micron rating screens suited to a variety of applications

/ Applications

- Primary filtration for small holders, for use with well water and/or single use dripperline applications
- Primary filtration for landscaping applications
- Secondary filtration for media filter systems and sand separators
- In-field secondary filters for enhanced protection



→ LOGISTIC DATA

CATALOG NUMBER STARTING WITH 71970 + (ANY OF BELLOW 6 DIGITS)

						BOX					PALLET						
MODEL		CONN. TYPE	100 MIC.	130 MIC.	200 MIC.	QTY. IN BOX	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	GROSS WEIGHT PER BOX	QTY. OF BOXES IN PALLET	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	GROSS WEIGHT PER PALLET		
1" - FILTER	2" REGULAR	BSP	000500	000501	000502	1	750	355	260	9	24	765	1,080	2,305	229		
		NPT	000510	000511	000512												
	2" JUMBO	BSP	000520	000521	000522		860		355	260	10	24		875	1,080	2,305	255
		NPT	000530	000531	000532												
	3" REGULAR	BSP	000540	000541	000542		750		355	260	9	24		765	1,080	2,305	229
		NPT	000550	000551	000552						10.4						262
		UNF	000560	000561	000562												
	3" JUMBO	BSP	000570	000571	000572		860		355	260	10	24		875	1,080	2,305	255
		NPT	000580	000581	000582						11.4						288
		UNF	000590	000591	000592												
DOUBLE - FILTER	3" REGULAR DOUBLE	BSP	000600	000601	000602	1	1,355	370	260	16	24	1,370	1,080	2,305	407		
		NPT	000610	000611	000612					17.4					440		
		UNF	000620	000621	000622												
	3" JUMBO DOUBLE	BSP	000630	000631	000632		1,595		370	260	17.6	24		1,610	1,080	2,305	449
		NPT	000640	000641	000642						19						483
		UNF	000650	000651	000652												
	4" REGULAR DOUBLE	VIC	-	-	-		1,355		370	260	18	24		1,370	1,080	2,305	455
		UNF	000660	000661	000662												
	4" JUMBO DOUBLE	VIC	-	-	-		1,595		370	260	19.5	24		1,610	1,080	2,305	495
		UNF	000670	000671	000672												

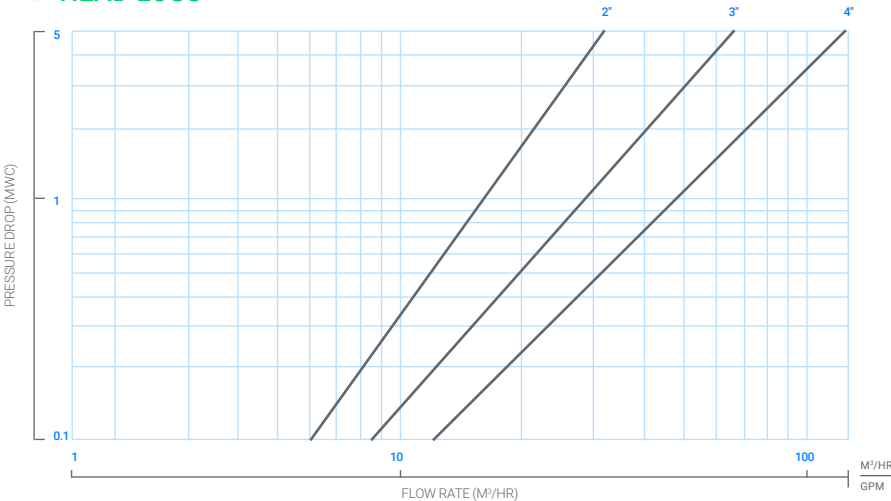
→ TECHNICAL INFORMATION

DESCRIPTION	FILTRATION AREA (CM²)	AVAILABLE CONNECTION TYPES	MAXIMUM RECOMMENDED FLOW RATE (M³/H)	MINIMUM PRESSURE DURING THE BACKFLUSH (BAR)	PRESSURE RATING (BAR)
2" REGULAR	1,210	BSP/NPT	20	2	8
2" JUMBO	1,610		25		
3" REGULAR	1,210	BSP/NPT/UNF	25		
3" JUMBO	1,610		30		
3" DOUBLE	2,420		45		
3" JUMBO DOUBLE	3,220		50		
4" DOUBLE	2,420	UNF/VIC	60		
4" JUMBO DOUBLE	3,220		75		

→ MATERIAL SPECS

PART	MATERIAL
BODY	GRP
SEAL	NBR
SCREEN	SST
DRAIN VALVE	PVC

→ HEAD LOSS



ScreenGuard™

AUTOMATIC SCREEN FILTERS

Automatic screen filters provide perfect protection for irrigation systems thanks to extra-large filtration area. Screenguard™ also incorporate the most effective self-cleaning mechanism, saving labor, water and energy.



Bigger



High Corrosion and
UV Protection



Ease of
Maintenance

/ Benefits & Features

- ✓ Extremely large screen size allows the filter to work with higher flow rates and deal with harsh water conditions
- ✓ Filter body is made from high quality carbon steel with two-layers coating, offering superb corrosion resistance
- ✓ Cover and piston made from durable non-corrosive materials for easy and cost-effective maintenance
- ✓ Two different models, Horizontal and Vertical, with multiple filtration area options covering a wide range of flow rates, ensures a perfect fit for different water quality and protection requirements
- ✓ BT (Bluetooth) controller activated with Netafim SG App allows better control of filter performance
- ✓ Multiple connection types that fit perfectly with any irrigation system
- ✓ Different micron rating screens suited for variety of applications



/ Applications

- Primary filtration for use with well water and/or single use dripperline applications in multiple water sources
- Primary filtration for micro and open field sprinkler applications in multiple water sources
- Primary filtration for landscaping applications



→ LOGISTIC DATA

MODEL		CONNECTION TYPE	100 MIC.	130 MIC.	200 MIC.	QUANTITY IN BOX	BOX LENGTH (MM)	BOX WIDTH (MM)	BOX HEIGHT (MM)	GROSS WEIGHT PER BOX			
VERTICAL FILTER	2"	BSP	71960-000099	71960-000100	71960-000101	1	520	1,070	660	47			
		NPT	71960-000102	71960-000103	71960-000104								
	3"	BSP	71960-000119	71960-000120	71960-000121					50			
		NPT	71960-000122	71960-000123	71960-000124								
		ANSI	71960-000125	71960-000126	71960-000127					52			
		BSTD	71960-000128	71960-000129	71960-000130								
		DIN	71960-000149	71960-000150	71960-000151								
	3" JUMBO	BSP	71960-000169	71960-000170	71960-000171					54			
		NPT	71960-000172	71960-000173	71960-000174								
		ANSI	71960-000175	71960-000176	71960-000177								
		BSTD	71960-000199	71960-000200	71960-000201					56			
	DIN	71960-000219	71960-000220	71960-000221									
	4"	ANSI	71960-000222	71960-000223	71960-000224			1,550					
		BSTD	71960-000225	71960-000226	71960-000227								
		DIN	71960-000249	71960-000250	71960-000251								
	4" JUMBO	ANSI	71960-000603	71960-000602	71960-000604								
		BSTD	71960-000605	71960-000601	71960-000278					76			
		DIN	71960-000606	71960-000600	71960-000607								
HORIZONTAL FILTER	4"	ANSI	71960-000252	71960-000253	71960-000254	1	570	2,220	710	116			
		BSTD	71960-000269	71960-000270	71960-000271								
		DIN	71960-000272	71960-000273	71960-000274								
	4" JUMBO	ANSI	71960-000275	71960-000276	71960-000277				2,620	760	160		
		BSTD	71960-000299	71960-000300	71960-000301								
		DIN	71960-000302	71960-000303	71960-000304								
	6"	ANSI	71960-000305	71960-000306	71960-000307			2,220	710	120			
		BSTD	71960-000319	71960-000320	71960-000321								
		DIN	71960-000322	71960-000323	71960-000324								
	6" JUMBO	ANSI	71960-000325	71960-000326	71960-000327			2,620	760		163		
		BSTD	71960-000339	71960-000340	71960-000341								
		DIN	71960-000359	71960-000360	71960-000361								
	8"	ANSI	71960-000379	71960-000380	71960-000381								169
		BSTD	71960-000399	71960-000400	71960-000401								
		DIN 10	71960-000419	71960-000420	71960-000421								
		DIN 16	71960-000439	71960-000440	71960-000441								
	10"	ANSI	71960-000450	71960-000451	71960-000452								176
		BSTD	71960-000460	71960-000461	71960-000462								
DIN 10		71960-000470	71960-000471	71960-000472									
DIN 16		71960-000480	71960-000481	71960-000482									

→ TECHNICAL INFORMATION

DESCRIPTION		FILT. AREA (CM ²)	AVAIL-ABLE CONN. TYPES	MAX. REC. FLOW RATE (M ³ /H)	BACK FLUSH FLOW RATE (M ³ /H)	MIN. PRESS. DURING BACK-FLUSH (BAR)	PRESS. RATING (BAR)
VERTICAL FILTER	2" AUTO. VERT. SCREEN	1,350	BSP / NPT	25	12	2	10
	3" AUTO. VERT. SCREEN	1,350	BSP / NPT	35	12		
	3" SUPER AUTO VERT. SCREEN	2,000	/ FLNG.	50	18		
	4" AUTO. VERT. SCREEN	2,000	FLNG.	75	18		
	4" JUMBO AUTO. VERT.	2,700		80	12		
HORIZONTAL FILTER	4" AUTO. HORIZ. SCR.N.	5,300	FLNG.	80	24	2	10
	4" SUPER AUTO HORIZ. SCREEN	7,900		100	36		
	6" AUTO. HORIZ. SCR.N.	5,300		120	24		
	6" SUPER AUTO HORIZ. SCREEN	7,900		150	36		
	8" AUTO. HORIZ. SCR.N.	7,900		250	36		
	10" AUTO. HORIZ. SCR.N.	7,900		300	36		

* for larger systems up to 14" with multiple units, please contact Netafim representative

→ HEAD LOSS



/ NetGarden™



NEW GENERATION OF IRRIGATION CONTROL

NetGarden™ Controls your irrigation areas with a BT computer and operates with AquaNet™ series valves. The system is easy-to-operate. Fertilizer pump can be added. The system is modularly constructed so more service valves can be added. The entire system is protected by a box - sun and rain free. Most systems come with DC power while AC power is available.



Ease of Control



Simple
Operation

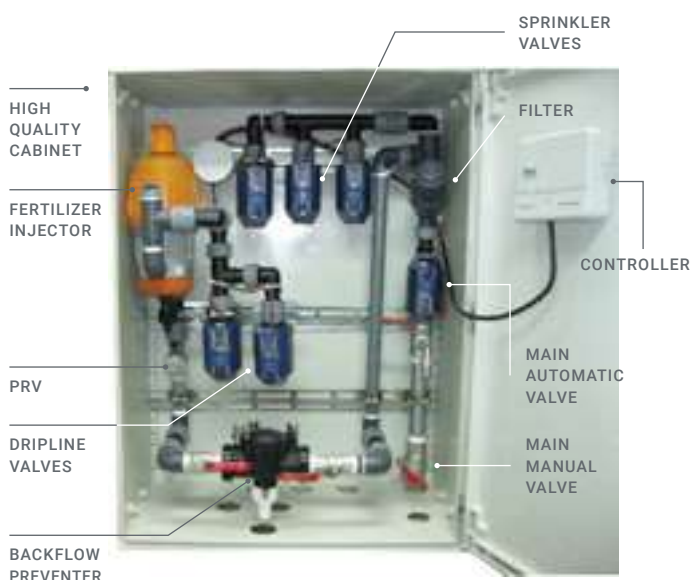


Ease of
Maintenance

/ Benefits & Features

- ✓ Easy to install and maintain system
- ✓ In-house developed offering
- ✓ Covers all applications ranging from small to large landscape projects
- ✓ Highly profitable price/performance ratio

→ TYPICAL HEAD CONTROL



→ HIGHLIGHTS

- ✓ Wide range of applications
- ✓ Modular control head for Irrigation/Nutrigation landscape system
- ✓ Built inside a protected cabinet
- ✓ Minimal investment requirement
- ✓ Efficient water, fertilizer and energy consumption
- ✓ Unrivalled range of irrigation water capacities
- ✓ Almost maintenance-free
- ✓ Manual or fully automated operations (AC and DC options)
- ✓ Easy integration into existing irrigation systems

→ COMPONENTS

- ✓ Very reliable fittings
- ✓ Wide range of integrated accessories and peripherals
- ✓ High-quality components (Valves, Fertilizer injectors, controllers and filters)
- ✓ High quality protected cabinet for wide range of weather conditions

→ CAPABILITIES

- ✓ Flow capacity range from 0.1Ha to 100Ha (landscape projects)
- ✓ Up to 10 highly accurate drip and sprinkler valves

For applications requiring over 10 valves please contact Netafim

INPUT	VALVES FOR DRIP	VALVES FOR SPROKERS	FERTILIZER PUMP	CATALOG NUMBERS
DC	1	-	✖	38000-001000
DC	-	1	✖	38000-001050
DC	1	-	✖	38000-001070
DC	1	-	✔	38000-001100
DC	1	3/4	✔	38000-001115
DC	1	1	✖	38000-001200
DC	2	1	✖	38000-001230
DC	3	1	✖	38000-001235
DC	4	1	✖	38000-001237
DC	1	1	✔	38000-001400
DC	2	1	✔	38000-001450
DC	3	1	✔	38000-001470
DC	4	1	✔	38000-001480
DC	1	2	✖	38000-001600
DC	1	2	✔	38000-001800
DC	2	2	✖	38000-002000
DC	3	2	✖	38000-002003
DC	4	2	✖	38000-002005
DC	2	2	✔	38000-002200
DC	3	2	✔	38000-002220
DC	4	2	✔	38000-002250
DC	1	3	✖	38000-002400
DC	3	3	✖	38000-002780
DC	2	3	✖	38000-002800
DC	3	3	✔	38000-003040
DC	-	CAB. 43		38000-003220
DC	-	6	✖	38000-003760
DC	2	-	✖	38000-003800
DC	2	-	✔ CHINA	38000-003910
DC	2	-	✔	38000-004000
DC	2	-	✔ LOW FLOW	38000-004020
DC	3	-	✖	38000-004200
DC	3	-	✔	38000-004400
DC	3	-	✔ LOW FLOW	38000-004420
DC	4	-	✖	38000-004600
DC	4	-	✔	38000-004800
DC	5	-	✖	38000-005000
DC	5	-	✔	38000-005200
DC	4	1" DE		38000-005450

INPUT	VALVES FOR DRIP	VALVES FOR SPROKERS	FERTILIZER PUMP	CATALOG NUMBERS
AC	1	-	✖	38000-000980
AC	2	1	✖	38000-001350
AC	3	1	✖	38000-001360
AC	4	1	✖	38000-001365
AC	2	1	✔	38000-001550
AC	3	1	✔	38000-001570
AC	1	2	✖	38000-001700
AC	1	2	✔	38000-001900
AC	2	2	✖	38000-002100
AC	3	2	✖	38000-002110
AC	4	2	✖	38000-002150
AC	2	2	✔	38000-002300
AC	4	2	✔	38000-002350
AC	-	CAB. 43		38000-003310
AC	-	4	✖	38000-003700
AC	-	4	1.5" DE	38000-003705
AC	-	6	1.5" DE 115V EN	38000-003785
AC	2	-	✖	38000-003900
AC	2	-	✔ CHINA	38000-003920
AC	2	-	✔	38000-004100
AC	2	-	✔ LOW FLOW	38000-004110
AC	3	-	✔	38000-004500
AC	3	-	✔ LOW FLOW	38000-004520
AC	4	-	✖	38000-004700
AC	4	-	✔	38000-004900
AC	5	-	✔	38000-005300

→ WATER SYSTEM BOXES FOR PUBLIC LANDSCAPING AND SPECIAL SYSTEMS

MODEL	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	ADDITIONAL COMPONENT	CATALOG NUMBER
2110	110	590	320	-	76850-001000
2111	111	785	320	-	76850-001100
2111	111	785	320	OPEN COVER	76850-001200
2112	110	1115	320	-	76850-001300
2112	110	1115	320	OPEN COVER	76850-001400
2122	125	1115	320	-	76850-001430
2850	855	590	320	-	76850-001500
2851	855	785	320	-	76850-001600
2851	1/850			OPEN COVER	76850-001620
2852	855	1115	320	-	76850-001700
2852	855	1115	320	OPEN COVER	76850-001800
6422	1326	1370	420	-	76850-004000
6422	1326	1370	420	OPEN COVER	76850-004050
6470	1226	610	474	-	76850-004100
7382	1100	1115	380	-	76850-004500

→ DOMESTIC WATER SYSTEM BOXES

MODEL	HEIGHT (MM)	WIDTH (MM)	DEPTH (MM)	ADDITIONAL COMPONENT	CATALOG NUMBER
432	192	300	400	BUTTERFLY LOCK	76850-006000
642	200	400	600	BUTTERFLY LOCK	76850-006300
652	220	500	600	BUTTERFLY LOCK	76850-006500
862	800	600	260	BUTTERFLY LOCK	76850-006600
EXTERNAL LOCK					76850-014105

→ SOKEL BOXES

DESCRIPTION	CATALOG NUMBER
SOKEL SIZE 0/320	76850-010000
SOKEL SIZE 1/320	76850-010100
SOKEL SIZE 2/320	76850-010200
SOKEL SIZE 2/380	76850-010800
SOKEL SIZE 2/420	76850-011000
MODEL 9900 FRAME 0	76850-012000
MODEL 9901 FRAME 1	76850-012100
MODEL 9902 FRAME 2	76850-012200
MODEL 9942 FRAME 6422	76850-012800
LOCK 333 MODEL 502	76850-014100

→ LOCK FRAMES

DESCRIPTION	CATALOG NUMBER
LOCK FRAME FOR BOX SIZE 0	76850-012020
LOCK FRAME FOR BOX SIZE 1	76850-012120
LOCK FRAME FOR BOX SIZE 2	76850-012220
LOCK FRAME FOR BOX SIZE 6422	76850-012820



04-0720-LANDSCP-CAT-0033-EN

GROW MORE WITH LESS™



www.netafim.com