

ScreenGuard™

Netafim™ manual in line metal screen filters, straight model, offer high corrosion and UV protection with large filtration area which result to better filtration efficiency, excellent irrigation uniformity and less maintenance.



Versatility



High
durability



Wide filtration
area

/ Benefits & Features

- **Versatility** Supplied in various sizes and configurations. Adapts to a wide range of applications for maximum flexibility.
- **High durability** Offers superior resistance to chemicals and acids, minimizing maintenance and repair costs. Components are crafted from materials designed to withstand high acid concentrations found in mines.
- **Wide filtration area** Provides extensive filtration area, ensuring superior operation even in harsh conditions. Prevents sediment intrusion and enhances system performance.

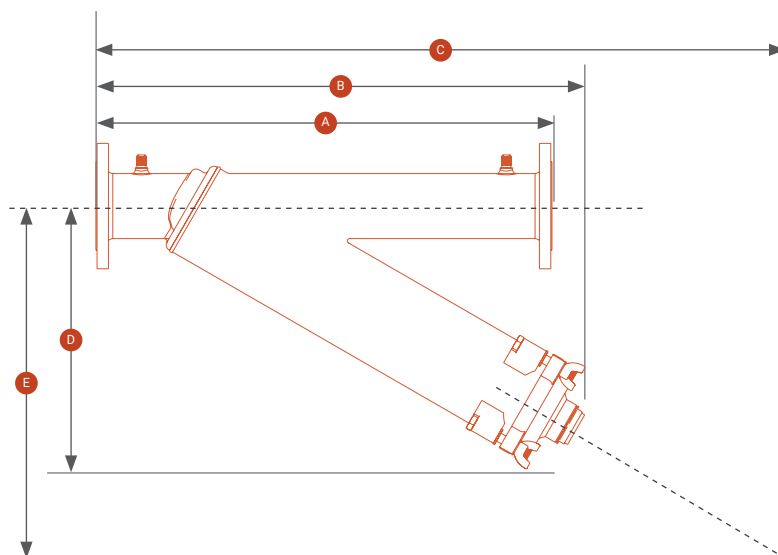
/ Specifications

- Filter screen cylinder molded with stainless-steel 316L screen.
- Multiple filtration area options covering a wide range of flow rates, ensures a perfect fit for different water quality and protection requirements.
- Highly reliable and durable operation over time with maximum operating pressure of 10 bar (145 psi).

→ Technical dimensions

Connection diameter	A (mm)	B (mm)	C (mm)	D (mm)*	E (mm)*
1 1/2"	420	396	535	260	397
2"	420	373	510	260	397
3"	600	627	1,037	350	560
4"	800	856	1,483	460	796
6"	900	872	1,471	550	889
8"	1,000	1,195	2,112	715	1,243

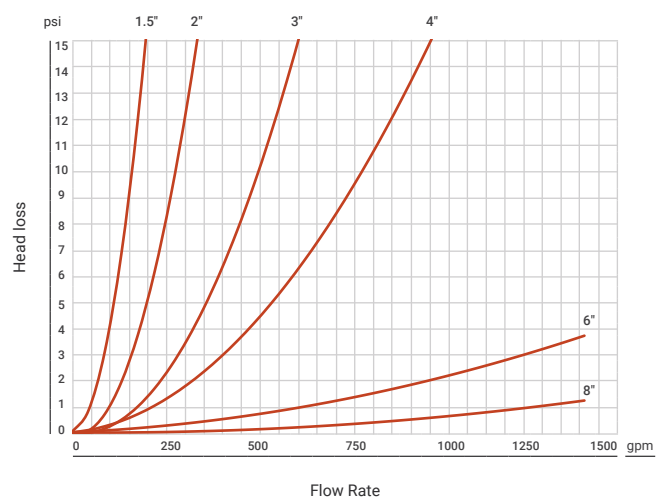
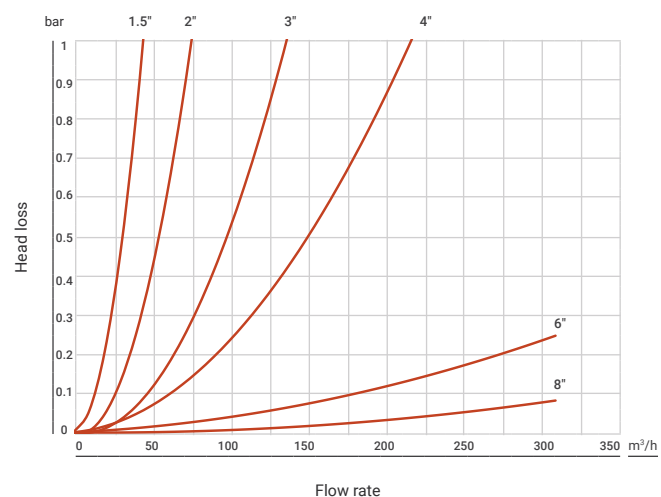
* Minimum distance to draw screen



→ Technical information

Model	Filtration area (cm ²)	Available connection types	Maximum recommended flow rate (m ³ /h)	Drain valve diameters	Max. working pressure (bar)
1 1/2"	850	BSP / NPT	15	2"	10
2"	850	BSP / NPT / VIC	25	2"	10
3"	1700	BSP / NPT / VIC / ANSI / ISO / BSTD	50	2"	10
4"	2550	VIC / ANSI / ISO / BSTD	80	2"	10
6"	4000	VIC / ANSI / ISO / BSTD	160	2"	10
8"	6350	VIC / ANSI / ISO10 / VIC16 / BSTD	250	2"	10

→ Head loss



→ Catalog numbers

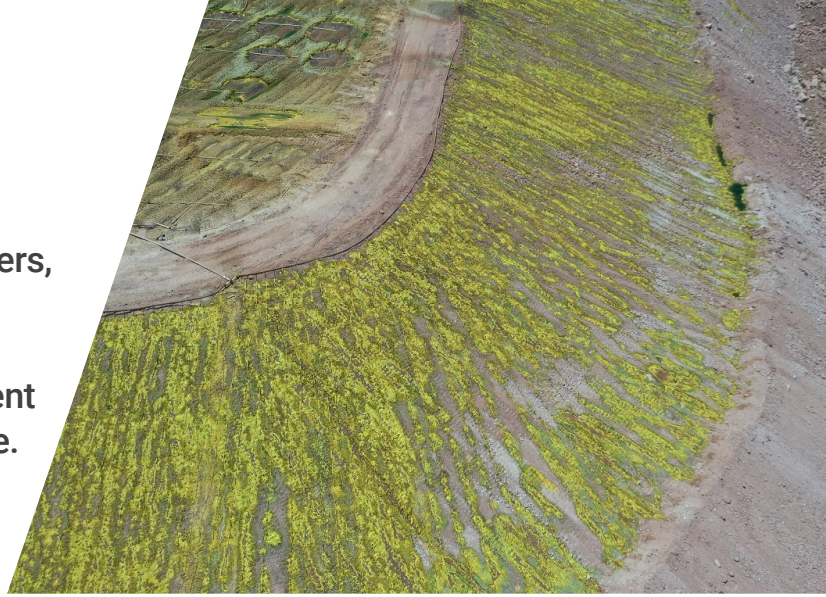
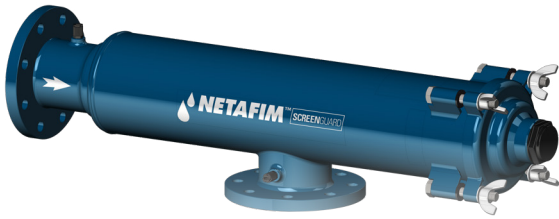
The type of filter and his catalog number will be determined according to the specific conditions in each application. For a correct configuration of a required filter please contact us at Mining@netafim.orbia.com or contact your Netafim™ local representative.

→ Logistic data

	Box					Pallet (including the pallet)				
Model	Qty. in box	Length (mm)	Width (mm)	Height (mm)	Gross weight p/box (kg)	Qty. of boxes in pallet	Length (mm)	Width (mm)	Height (mm)	Gross weight p/pallet (kg)
1½"	1	500	500	220	10	30	1500	1020	1100	300
		500	500	220	10	30	1500	1020	1100	300
2"		500	500	220	10	30	1500	1020	1100	300
		500	500	220	10	30	1500	1020	1100	300
		500	500	220	10	30	1500	1020	1100	300
3"		780	600	220	20	20	1560	1200	1100	400
		780	600	220	20	20	1560	1200	1100	400
		780	600	220	20	20	1560	1200	1100	400
		780	600	220	29	20	1560	1200	1100	580
		780	600	220	29	20	1560	1200	1100	580
		780	600	220	29	20	1560	1200	1100	580
4"		1020	730	220	27	10	1500	1020	1100	270
		1020	730	220	37	10	1500	1020	1100	370
		1020	730	220	37	10	1500	1020	1100	370
		1020	730	220	37	10	1,500	1020	1100	370
6"		1090	790	375	70	1	1090	790	375	70
		1090	790	375	84	1	1090	790	375	84
		1090	790	375	84	1	1090	790	375	84
		1090	790	375	84	1	1090	790	375	84
8"		1390	990	375	92	1	1390	990	375	92
		1390	990	375	108	1	1390	990	375	108
		1390	990	375	108	1	1390	990	375	108
		1390	990	375	108	1	1390	990	375	108
		1390	990	375	108	1	1390	990	375	108

ScreenGuard™

Netafim™ manual on line metal screen filters, angle model, offer high corrosion and UV protection with large filtration area which result to better filtration efficiency, excellent irrigation uniformity and less maintenance.



Versatility



High
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Wide filtration
area

/ Benefits & Features

- **Versatility** Supplied in various sizes and configurations. Adapts to a wide range of applications for maximum flexibility.
- **High durability** Offers superior resistance to chemicals and acids, minimizing maintenance and repair costs. Components are crafted from materials designed to withstand high acid concentrations found in mines.
- **Wide filtration area** Provides extensive filtration area, ensuring superior operation even in harsh conditions. Prevents sediment intrusion and enhances system performance.

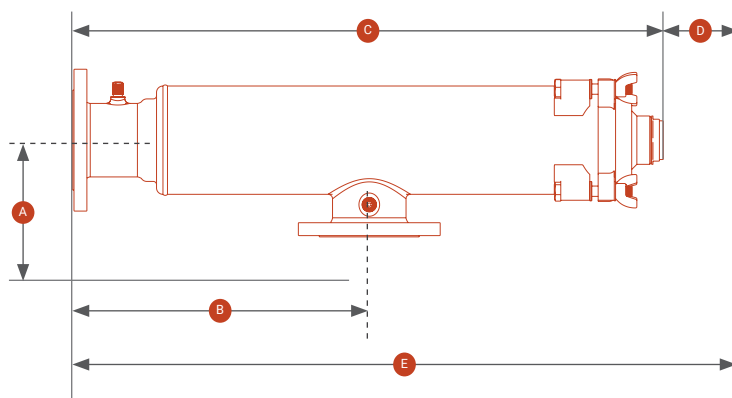
/ Specifications

- Filter screen cylinder molded with stainless-steel 316L screen.
- With multiple filtration area options covering a wide range of flow rates, ensures a perfect fit for different water quality and protection requirements.
- Maximum operating pressure: 10 bar (145 psi).

→ Technical dimensions

Connection diameter	A (mm)	B (mm)	C (mm)	D (mm)*	E (mm)*
1½"	150	210	420	225	645
2"	150	210	406	220	626
3"	150	340	673	477	1150
4"	150	460	916	729	1645
6"	250	450	938	702	1640
8"	250	630	1302	1023	2325

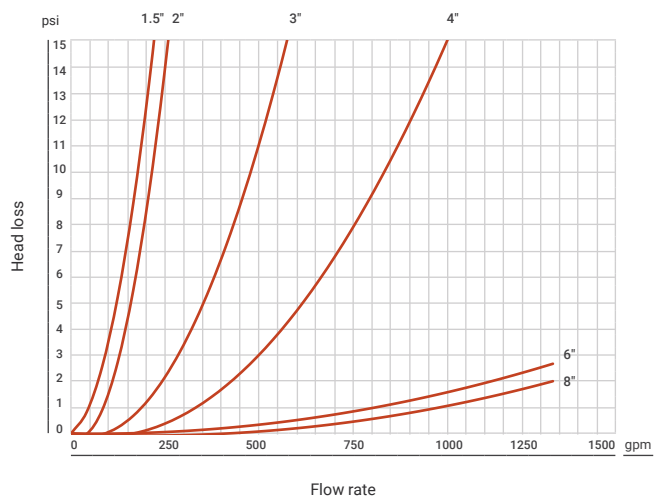
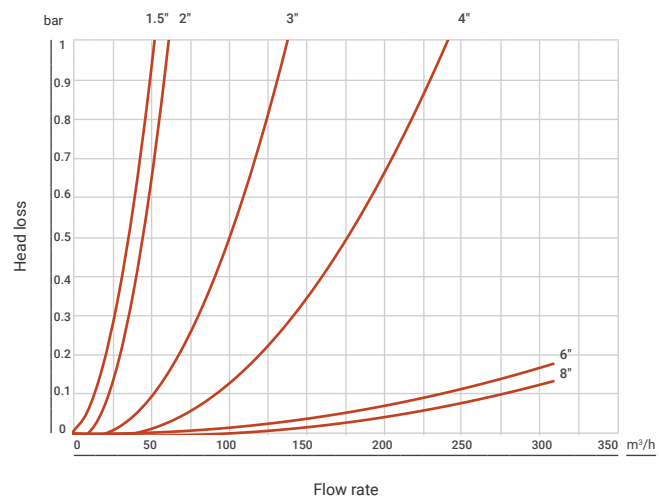
* Minimum distance to draw screen



→ Technical information

Model	Filtration area (cm²)	Available connection types	Maximum recommended flow rate (m³/h)	Drain valve diameters	Max. working pressure (bar)
1½"	850	BSP / NPT	15	2"	10
2"	850	BSP / NPT / VIC	25	2"	10
3"	1700	BSP / NPT / VIC / ANSI / ISO / BSTD	50	2"	10
4"	2550	VIC / ANSI / ISO / BSTD	80	2"	10
6"	4000	VIC / ANSI / ISO / BSTD	160	2"	10
8"	6350	VIC / ANSI / ISO10 / VIC16 / BSTD	250	2"	10

→ Head loss



→ Catalog numbers

The type of filter and his catalog number will be determined according to the specific conditions in each application. For a correct configuration of a required filter please contact us at Mining@netafim.orbia.com or contact your Netafim™ local representative.

→ Logistic data

Model	Qty. in box	Box				Pallet (including the pallet)				
		Length (mm)	Width (mm)	Height (mm)	Gross weight p/box (kg)	Qty. of boxes in pallet	Length (mm)	Width (mm)	Height (mm)	Gross weight p/pallet (kg)
1 1/2"	1	630	270	220	10	40	1260	1080	1100	400
		630	270	220	10	40	1260	1080	1100	400
2"		600	270	220	10	40	1260	1080	1100	400
		600	270	220	10	40	1260	1080	1100	400
		600	270	220	10	40	1260	1080	1100	400
3"		870	270	220	18	25	1140	1080	1100	450
		870	270	220	18	25	1140	1080	1100	450
		870	270	220	18	25	1140	1080	1100	450
		870	270	220	27	25	1140	1080	1100	675
		870	270	220	27	25	1140	1080	1100	675
		870	270	220	27	25	1140	1080	1100	675
4"		1115	290	220	23	20	1140	1080	1100	460
		1115	290	220	33	20	1140	1080	1100	660
		1115	290	220	33	20	1140	1080	1100	660
		1115	290	220	33	20	1140	1080	1100	660
6"		1170	470	375	64	1	1170	470	375	64
		1170	470	375	77	1	1170	470	375	77
		1170	470	375	77	1	1170	470	375	77
		1170	470	375	77	1	1170	470	375	77
8"		1520	470	375	84	1	1520	470	375	84
		1520	470	375	102	1	1520	470	375	102
		1520	470	375	102	1	1520	470	375	102
		1520	470	375	102	1	1520	470	375	102
		1520	470	375	102	1	1520	470	375	102

ScreenGuard™

Netafim™ circulating screen filters offer improved particles separation, supported by large filtration area, in addition to the high corrosion and UV protection which result to better filtration efficiency, excellent leaching uniformity and less maintenance.



Versatility



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Wide filtration
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/ Benefits & Features

- **Versatility** Supplied in various sizes and configurations. Adapts to a wide range of applications for maximum flexibility.
- **High durability** Offers superior resistance to chemicals and acids, minimizing maintenance and repair costs. Components are crafted from materials designed to withstand high acid concentrations found in mines.
- **Wide filtration area** Provides extensive filtration area, ensuring superior operation even in harsh conditions. Prevents sediment intrusion and enhances system performance.

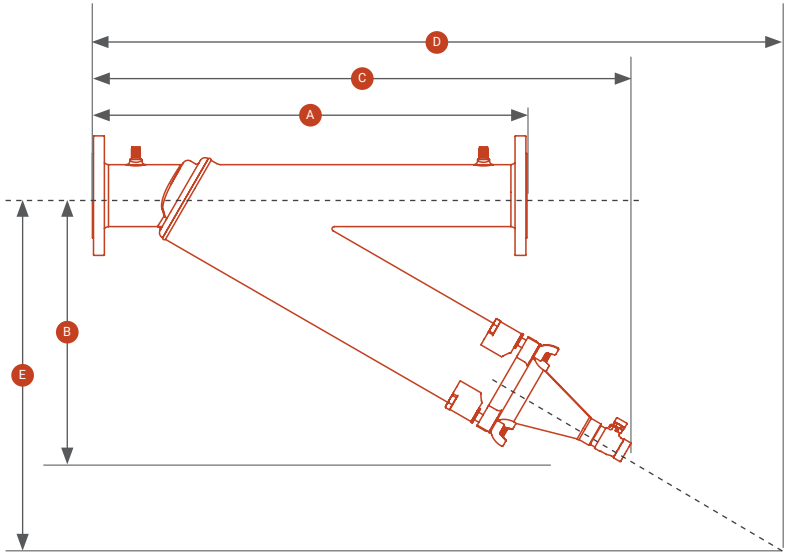
/ Specifications

- Filter screen cylinder molded with stainless-steel 316L screen.
- Thanks to this cleaning mechanism, the screen can be perfectly cleaned opening the drain valve, circulating particles such as sand which can be easily drained out of the filter, without disrupting the irrigation process.
- Highly reliable and durable operation over time with maximum operating pressure: 10 bar / 145 psi.

→ Technical dimensions

Connection diameter	A (mm)	B (mm)	C (mm)	D (mm)*	E (mm)*
1 1/2"	420	343	481	620	502
2"	420	343	458	620	502
3"	600	378	756	1,170	615
4"	800	490	991	1,617	851
6"	900	550	1,031	1,630	867
8"	1,000	710	1,343	2,252	1,212

* Minimum distance to clean/remove the screen



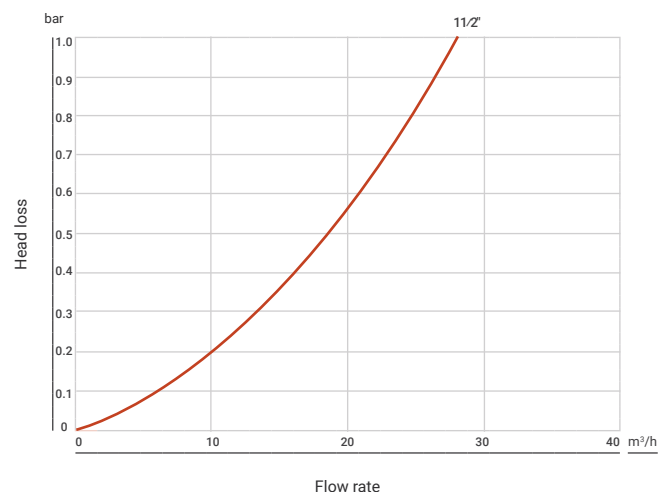
→ Technical information

Disc type	Model											
	1 1/2"		2"		3"		4"		6"		8"	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h	m³/h
A	6.5	17	6.5	17	6.5	17	6.5	17	32	45		
B			12	32	12	32	12	32	39	68		
C			17	34	17	37	17	37	62	95		
D			24	40	24	50	24	55	84	140	98	140
E					35	55	35	63	118	220	140	227
F					50	70	50	75			204	295
ND					65	80	70	95				

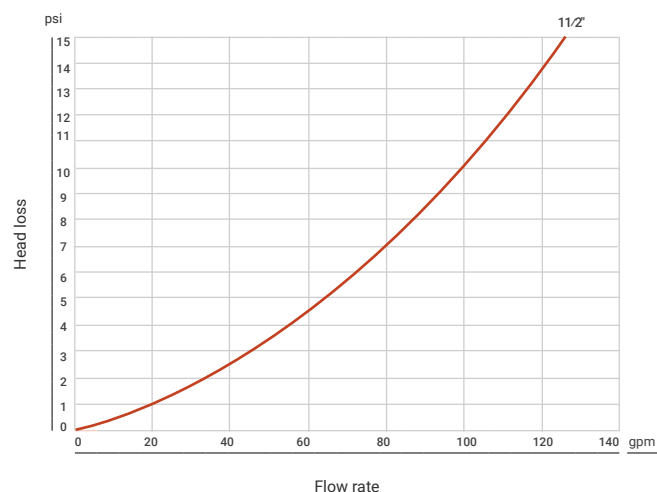
ND = No discs

→ Head loss

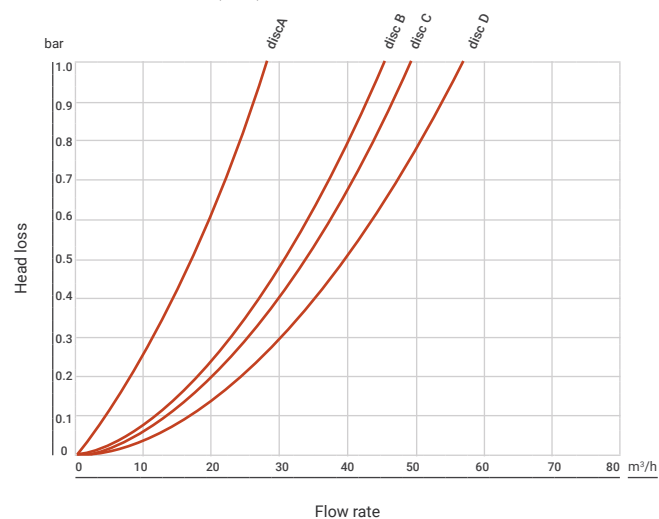
Circulating filter 11/2" (bar)



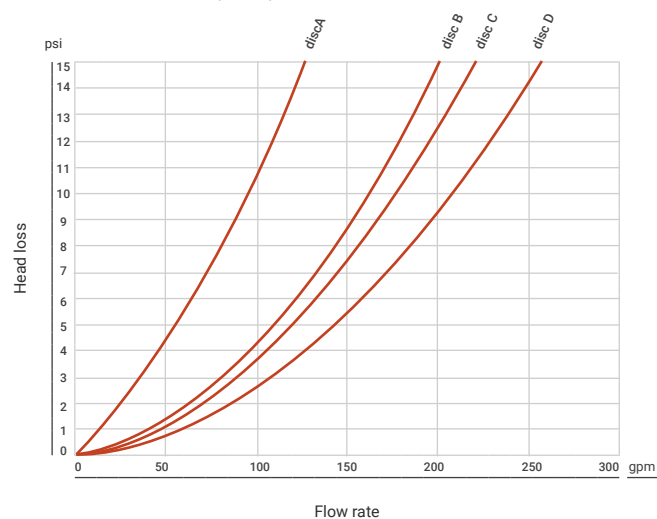
Circulating filter 11/2" (gpm)



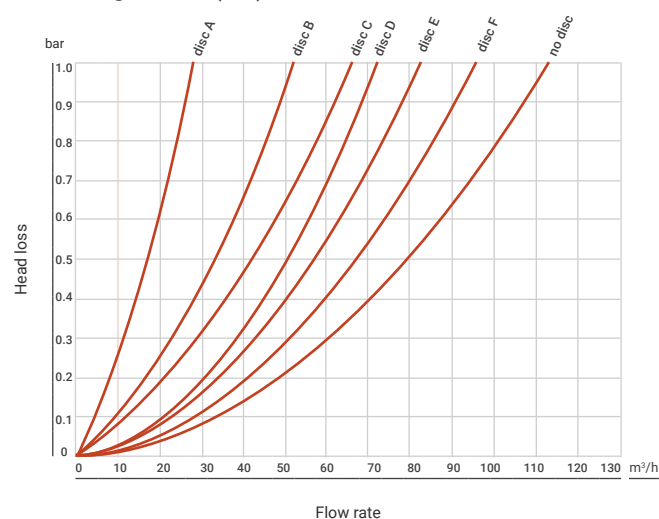
Circulating filter 2" (bar)



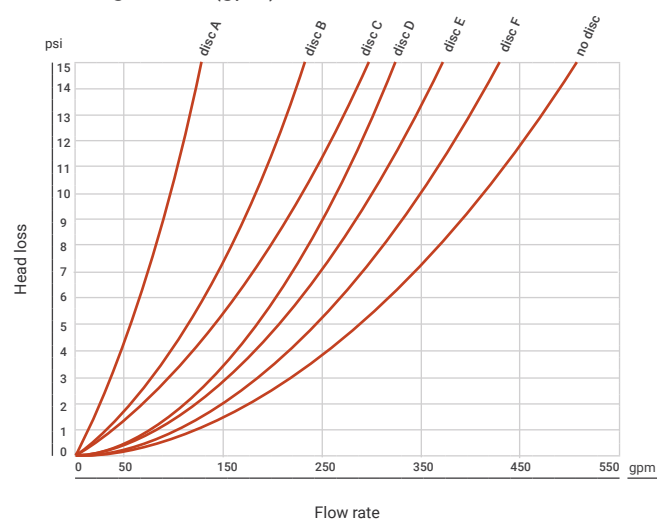
Circulating filter 2" (gpm)



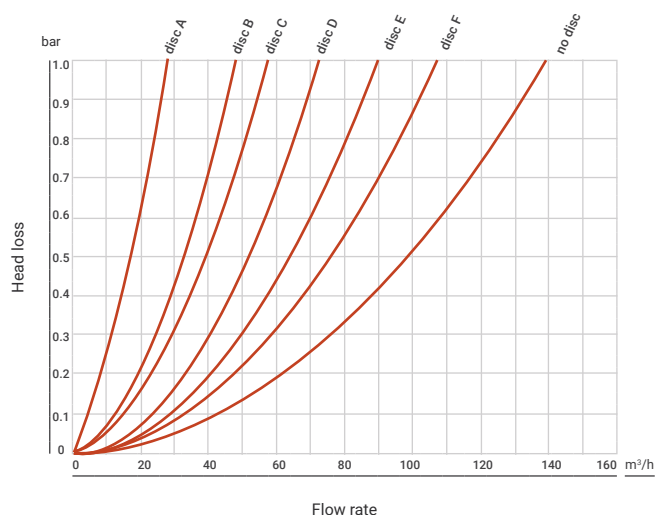
Circulating filter 3" (bar)



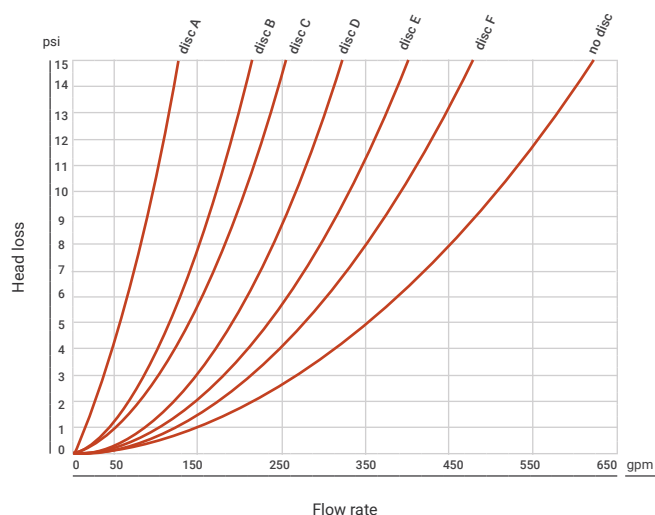
Circulating filter 3" (gpm)



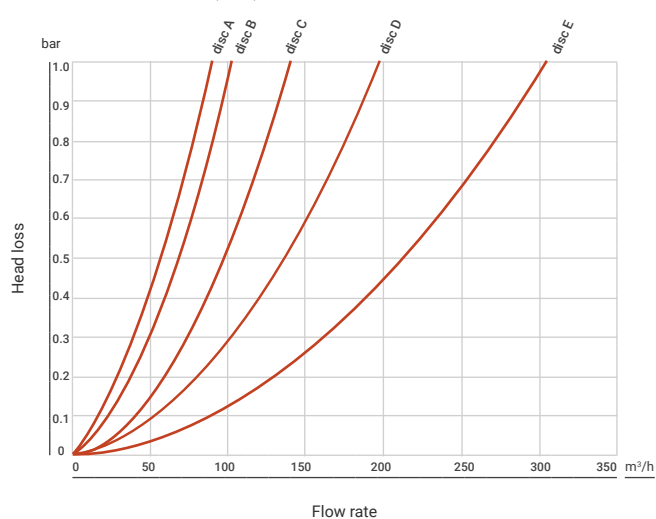
Circulating filter 4" (bar)



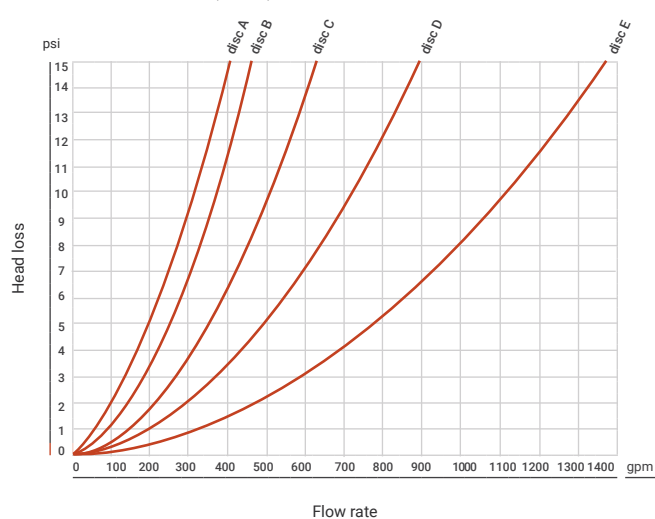
Circulating filter 4" (gpm)



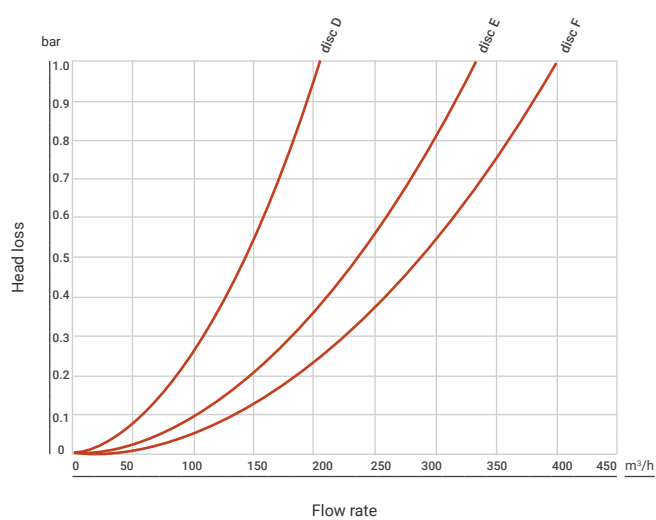
Circulating filter 6" (bar)



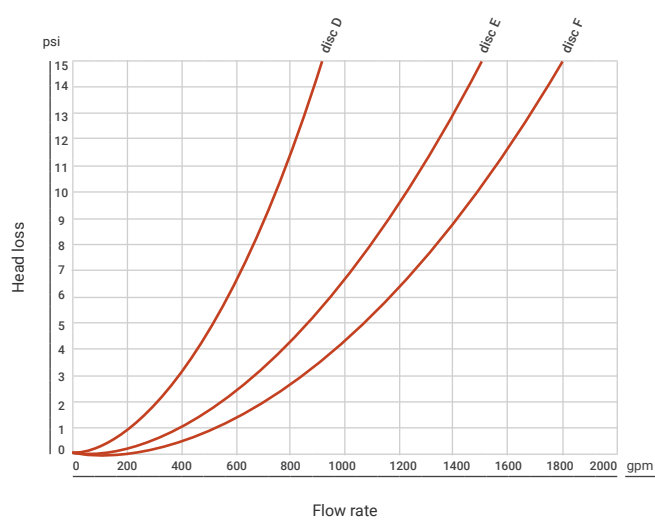
Circulating filter 6" (gpm)



Circulating filter 8" (bar)



Circulating filter 8" (gpm)



→ **Logistic data**

Catalog number 71980 + (any of bellow 6 digits)

Model	Conn.	100 mic.	130 mic.	200 mic.	Box				Qty. of boxes in pallet	Pallet			
					Length	Width	Height	Weight		Length	Width	Height	Gross weight per pallet (kg)
1½"	BSP	000690	000692	000694	500	500	220	11	30	1500	1020	1100	330
	NPT	000691	000693	000695	500	500	220	11	30	1500	1020	1100	330
2"	BSP	000700	000702	000705	500	500	220	11	30	1500	1020	1100	330
	NPT	000701	000703	000706	500	500	220	11	30	1500	1020	1100	330
	GROOVED	000173	000174	000704	500	500	220	11	30	1500	1020	1100	330
3"	BSP	000710	000716	000721	780	600	220	21	20	1560	1200	1100	420
	NPT	000711	000717	000722	780	600	220	21	20	1560	1200	1100	420
	GROOVED	000712	000718	000723	780	600	220	21	20	1560	1200	1100	420
	ISO	000713	000172	000724	780	600	220	30	20	1560	1200	1100	600
	BSTD	000715	000720	000726	780	600	220	30	20	1560	1200	1100	600
	ANSI	000714	000719	000725	780	600	220	30	20	1560	1200	1100	600
4"	GROOVED	000730	000734	000738	1020	730	220	28	10	1500	1020	1100	280
	ISO	000731	000735	000739	1020	730	220	38	10	1500	1020	1100	380
	BSTD	000733	000737	000741	1020	730	220	38	10	1500	1020	1100	380
	ANSI	000732	000736	000740	1020	730	220	38	10	1500	1020	1100	380
6"	GROOVED	000760	000764	000768	1090	790	375	73	1	1090	790	375	73
	ISO	000761	000765	000769	1090	790	375	87	1	1090	790	375	87
	BSTD	000763	000767	000771	1090	790	375	87	1	1090	790	375	87
	ANSI	000762	000766	000770	1090	790	375	87	1	1090	790	375	87
8"	GROOVED	000790	000795	000800	1390	990	375	95	1	1390	990	375	95
	ISO10	000791	000796	000801	1390	990	375	111	1	1390	990	375	111
	ISO16	000792	000797	000802	1390	990	375	111	1	1390	990	375	111
	BSTD	000794	000799	000804	1390	990	375	111	1	1390	990	375	111
	ANSI	000793	000798	000803	1390	990	375	111	1	1390	990	375	111

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