

Manual Disc Filters

Manual disc filters, Leader and Super Leader, offer a large filtration area with high efficiency which leads to better solution distribution uniformity with much less maintenance. Help protect the leaching system from activated carbon, increasing dripline longevity and leaching uniformity.



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

- Inlet/outlet diameter – 90 mm / 3", 110 mm / 4", 160 mm / 6".
- Maximum pressure – 10 bar / 145 psi.
- Maximum flow rate – 60 m³/h / 264 gpm.
- Maximum temperature – 60°C / 140°F.
- pH – 2-13 (at 20°C) / 2-13 (at 68°F).

→ Technical dimensions

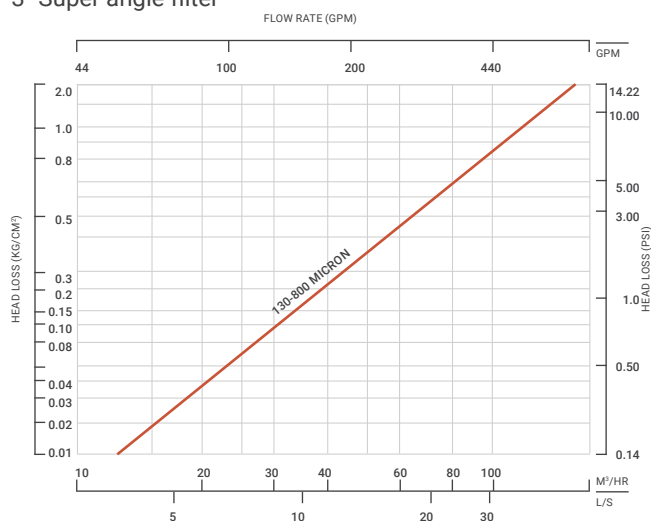
Diameter		3" Leader twin	3" Super angle	4" Super angle	4" Super leader	6" Super leader
width	W	226 / 8 ^{7/8"}	700 / 27 ^{9/16"}		330 / 13"	
Length	L	742 / 29 ^{7/32"}	410 / 15 ^{3/4"}		1190 / 47"	
Distance between connections	A	320 / 12 ^{19/32"}	-	-	445 / 17.5"	415 / 16.3"
Weight (victaulic, threaded)		6.3 kg / 14 lbs	10 kg / 22 lbs	10.6 kg / 23.32 lbs	22 kg / 48.4 lbs	26 kg / 57.2 lbs
Weight (flanged)		10 kg / 22 lbs	11.47 kg / 25.28 lbs	14.1 kg / 31.02 lbs	24 kg / 52.8 lbs	26 kg / 57.2 lbs

→ Hydraulic performance

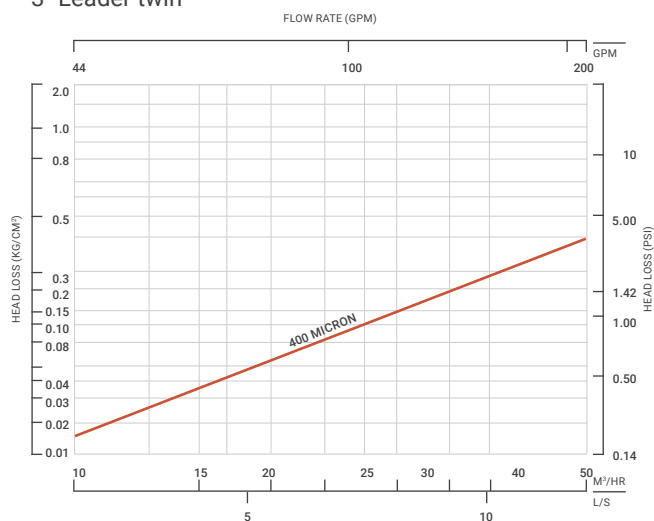
Diameter		3" Leader twin	3" Super angle	4" Super angle	4" Super leader	6" Super leader
Max. pressure		10 bar / 145 psi	10 bar / 145 psi			
Max. flow rate			60 m ³ /h / 246 gpm	90 m ³ /h / 396 gpm	100 m ³ /h / 440 gpm	160 m ³ /h / 704 gpm
Filtration area		1900 cm ² / 294.5 in. ²	1852 cm ² / 287 in. ²		3704 cm ² / 574 in. ²	
Filtration volume		2450 cm ³ / 174 in. ³	1744 cm ³ / 108 in. ³		3548 cm ³ / 216 in. ³	

→ Head loss

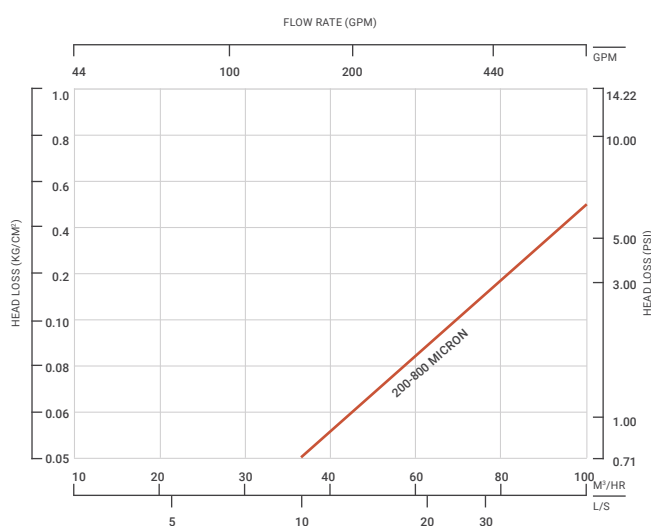
3" Super angle filter



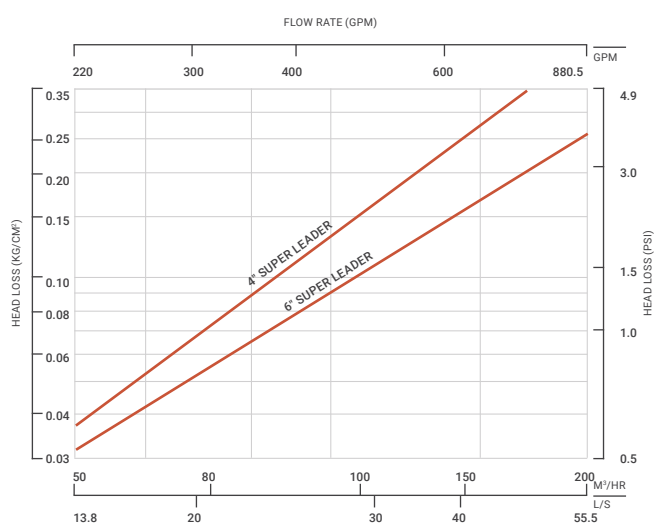
3" Leader twin



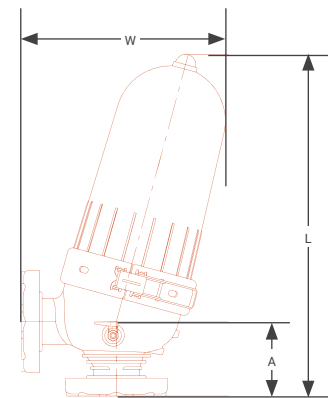
4" Super angle filter



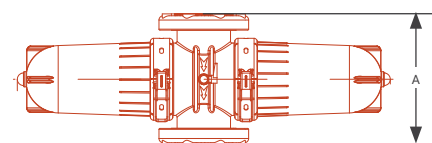
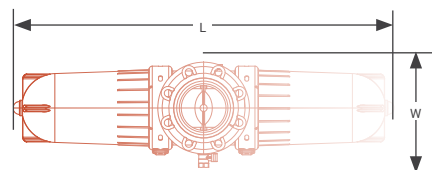
4", 6" Super Leader filter



3" & 4" Super angle filter



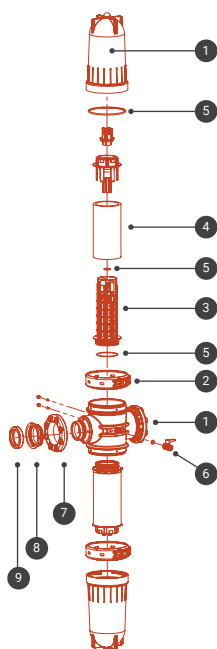
3" & 4" & 6" leader twin / super leader filters



→ Components raw materials

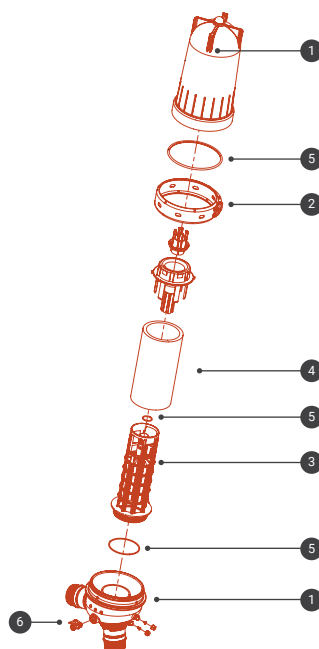
3" Leader twin

#	Part name	Material
1	Body & cover	pp
2	Clamp	-
3	Spine	pp
4	Discs	pp
5	Seals & o-rings	EPDM
6	Ball valve	BRASS
7	Loose flange	R.PA
8	Flange cone	POM
9	Flange seal	EPDM



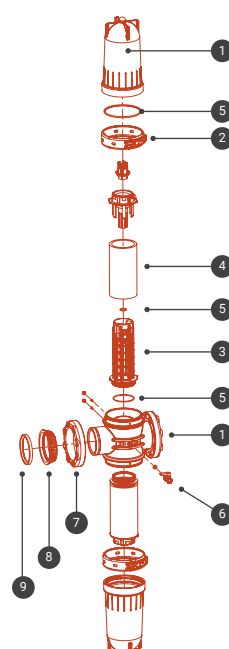
3" & 4" Super angle

#	Part name	Material
1	Body & cover	pp
2	Clamp	sst
3	Spine	r.pp
4	Discs	pp
5	Seals & o-rings	EPDM
6	Ball valve	BRASS
7	Loose flange	R.PA
8	Flange cone	POM
9	Flange seal	EPDM



4" & 6" Super Leader

#	Part name	Material
1	Body & cover	pp
2	Clamp	sst
3	Spine	r.pp
4	Discs	pp
5	Seals & o-rings	EPDM
6	Ball valve	BRASS
7	Loose flange	R.PA
8	Flange cone	POM
9	Flange seal	EPDM



→ Nomenclature description

Short name	Material
r.PP	Reinforced Polypropylene
R.PA	Reinforced Polyamide
SST	Stainless Steel
PP	Polypropylen
POM	Polyacetal
EPDM	EPDM
Loose Flange	R.PA
Flange Cone	POM
Flange Seal	EPDM

→ 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.