Instruction Manual
Plastic Disc Filters

General instructions:
This filter has been designed and made to meet the highest requirements as to quality and finish. This filter is used especially as a safety component of an installation, also as a prefilter and control afterfilter. The compressed disc pack combines the advantages of gauze with deep filtration.

Installation:
The filters can be installed both vertically and horizontally. Use teflon tape on threaded connections. Only use the spanner supplied to loosen the cover (1" and1½"). Do not use a spanner for fitting on the cover.
The water inlet and outlet are clearly indicated by the arrows.
Allow sufficient room to be able to remove the filter cover and the filter element.
When installing more than one filter, leave enough room between the units for easier maintenance.
Install a pressure relief valve before the filtering installation if the pressure is not sufficiently under control.

Operation:
Normal operating conditions are achieved when the differential pressure across the clean filter element is less than 0.4 bar.
When the differential pressure exceeds 0.4 bar, then the filter is either partially soiled or it has to process too large a water flow.
The maximum pressure is up to 10 bar (2" up to 12 bar). Check the differential pressure across the filter during operation.
Do not open the filter when under pressure.
Do not tighten the nut when the filter is under pressure.

Maintenance:
Each filter comes with these installation, operating and maintenance instructions.
Regularly check the differential pressure across the filter.
Apply each year a film of non-aggressive grease on the rubber parts.

Periodic cleaning:
Recommended cleaning and checking of the filter element: every 2 weeks or when the differential pressure is 1 bar or more.
Stop the flow to the filter.
Open the drain valve to let pressure and water escape.
Carefully remove the filter element (¾", 1" and 1½" filters) and open the disc pack (2" filter).
The 2" disc pack can be opened by loosening the tightening nut holding the pack tightly together.
Thoroughly clean the filter element by holding it under running water. The discs must be loose to be able rinse away the dirt between them.
If hard-to-remove calcium has scaled on the discs, dip them into an acid solution.
Wait a few minutes for the solution to have its effect and then thoroughly clean the discs. Ensure that no dirty water can enter the system.

Assembly:
Ensure that the filter element is intact, clean and not damaged. Check whether the stainless-steel spring is in the right place in the filter cover (¾"-1½"). Place the filter element and close the disc pack. Place the filter cover and tighten it snugly (¾" filter), or secure it with the nut around the filter cover (1" and 1½" filters) or with the clamp (2" filter).
Gradually open the valve before the filter and check for any leaks.

Changing the discs:
The filter discs are fitted on a holder. During filtration, they are compressed by a spring (¾"-1½") or a tightening nut (2").
Also when in the opened condition, the discs cannot get off the holder, but they can be easily cleaned under running water. Defective or worn discs must be replaced.
In this case remove the locking ring (¾"-1½") or cap screw (2") from the holder to be able to remove the discs. Place a new set of discs on the holder, making sure the number or pack length is correct, and fit the locking ring or cap screw.
Install the filter pack as described for assembly.

Note:
In view of ongoing improvements, we reserve the right to change specifications without prior notice.

UVAR
Subject to changes and/or misprints

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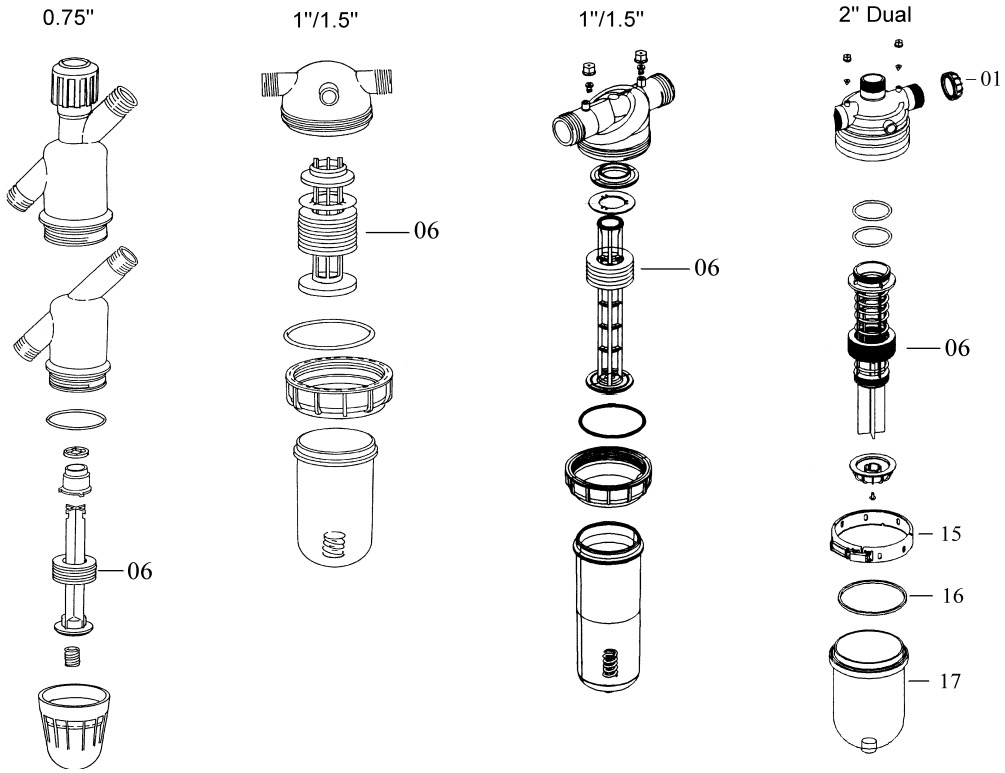
Parts drawing:



Pressure losses* ¾" 7U107D

Colour	Micron	1	2	3	4 m^3/h
Blue	400	0.3	1.0	2.2	4.0
Yellow	200	0.3	1.1	2.3	4.0
Red	130	0.3	1.1	2.5	4.3
Black	100	0.4	1.3	2.7	4.6

Pressure losses* 1" 7U110D

Colour	Micron	2	4	5	6 m^3/h
Blue	400	0.3	1.3	2.1	3.2
Yellow	200	0.3	1.4	2.2	3.2
Red	130	0.3	1.4	2.2	3.2
Black	100	0.5	1.7	2.9	3.9
Green	50	0.8	2.6	3.9	5.2

Pressure losses* 1" Long 7U111D

Colour	Micron	2	4	6	8 m^3/h
Blue	400	0.1	0.4	0.8	1.4
Yellow	200	0.1	0.4	0.8	1.4
Red	130	0.2	0.6	1.1	1.9
Black	100	0.2	0.6	1.1	1.9
Green	50	0.3	0.8	1.4	2.4

*Pressure losses in mwc (metres of water column)

Pressure losses* 1½" 7U115D

Colour	Micron	2	4	6	8	10 m^3/h
Blue	400	0.1	0.3	0.7	1.3	1.9
Yellow	200	0.1	0.4	0.9	1.5	2.2
Red	130	0.1	0.4	0.9	1.5	2.2
Black	100	0.2	0.6	1.2	1.8	2.6
Green	50	0.7	1.7	2.8	3.9	5.2

Pressure losses* 1½" Long 7U117D

Colour	Micron	2	5	8	10	12 m^3/h
Blue	400	0.1	0.6	1.4	2.1	3.0
Yellow	200	0.1	0.6	1.4	2.1	3.0
Red	130	0.2	0.8	1.8	2.7	3.9
Black	100	0.4	1.4	3.0	4.1	5.8
Green	50	0.5	1.7	3.4	4.6	6.0

Pressure losses* 2" 7U122D

Colour	Micron	5	10	15	20	25 m^3/h
Blue	400	0.2	0.6	1.3	2.1	3.3
Yellow	200	0.2	0.7	1.3	2.3	3.5
Red	130	0.2	0.7	1.5	2.4	3.6
Black	100	0.2	0.8	1.6	2.6	3.9
Green	50	0.5	1.3	2.4	4.0	5.3
Grey	20	2.0	4.4	6.9	10.2	

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