

General instructions:

This filter is designed and manufactured to meet the highest standards of quality and performance. This filter is primarily used as a control filter with enhanced RVS filter screen for higher capacities and is adapted for filtering a small amount of contamination.

Installation:

Water inlet and outlet are clearly indicated with the arrows.
The flush valve (9) must be located on the bottom of the filter.
When installing more than one filter, allow enough room between the units for easier maintenance.
A pressure relief valve must be installed upstream of the filtering installation if the pressure is not sufficiently under control.
Install a quick-acting (mechanical) check valve if there is a risk of water flowing back.

Operation:

Normal operating conditions are achieved when the differential pressure across the clean filter element is less than 0.25 bar.
When the differential pressure is above 0.25 bar, then the filter is fully or partly fouled or is processing an excessive water flow.
Maximum work pressure is up to 8 bar.
The filter is designed for a maximum pressure of 10 bar.

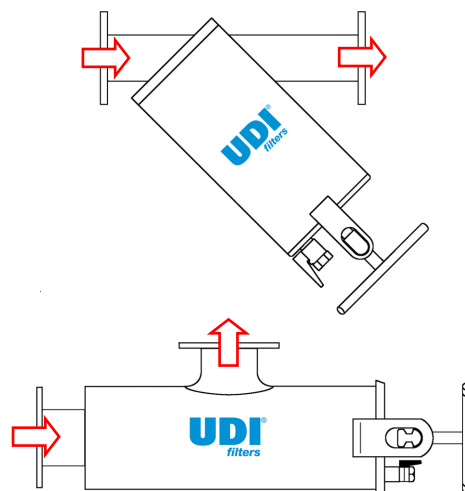
Do not open the filter cover and do not tighten it while the filter is being used or under pressure!

Flushing:

Flushing can be easily carried out manually by opening the flush valve at the bottom of the filter. Check the amount of time needed to reach a differential pressure of 0.4 bar.
Open the flush valve (09) and flush during 10-30 seconds.
Check the pressure: the differential pressure must be 0.25 bar or less.

Periodic cleaning:

It is recommended to clean the filter and inspect the filter element: every 2 weeks or when the differential pressure reaches 1.0 bar or more.



Stop the flow to the filter.
Open the flush valve (09) to release pressure and drain water.

Carefully remove the filter element (06)
Thoroughly clean the element with clean water, using a brush to remove dirt particles from the mesh (never use a steel wire brush). If the dirt particles cannot be removed from the element with a hair brush, dip the element into an acid/alkaline solution. Wait a few minutes for the solution to have its effect and then thoroughly clean the element.

Acid injection:

The filter is suitable for water with pH values 5 to 9. In the case of acid injection into the system, it is recommended to inject the acid after the filter to prevent acid accumulation in case of system failure.
It is also advisable to install a check valve after the filter before the acid injection point.

Assembly:

Check the filter element for possible damages. Make sure that the interior rubber gasket (7) is well placed.
Install filter elements (06) carefully back into the filter housing.
Make sure that the centring ring (5) fits well around the element.
Check whether the top edge of the filter element is even with the top edge of the filter body in such a way that the cover rubber (04) fully covers the element(s) and is properly centred.
Place the tightening bracket (02) and fully tighten the spindle (01). For filters of 6" and larger, mount the bolts and tighten them evenly (hand-tight).

Manual

Control filters 1900 Series

Note:

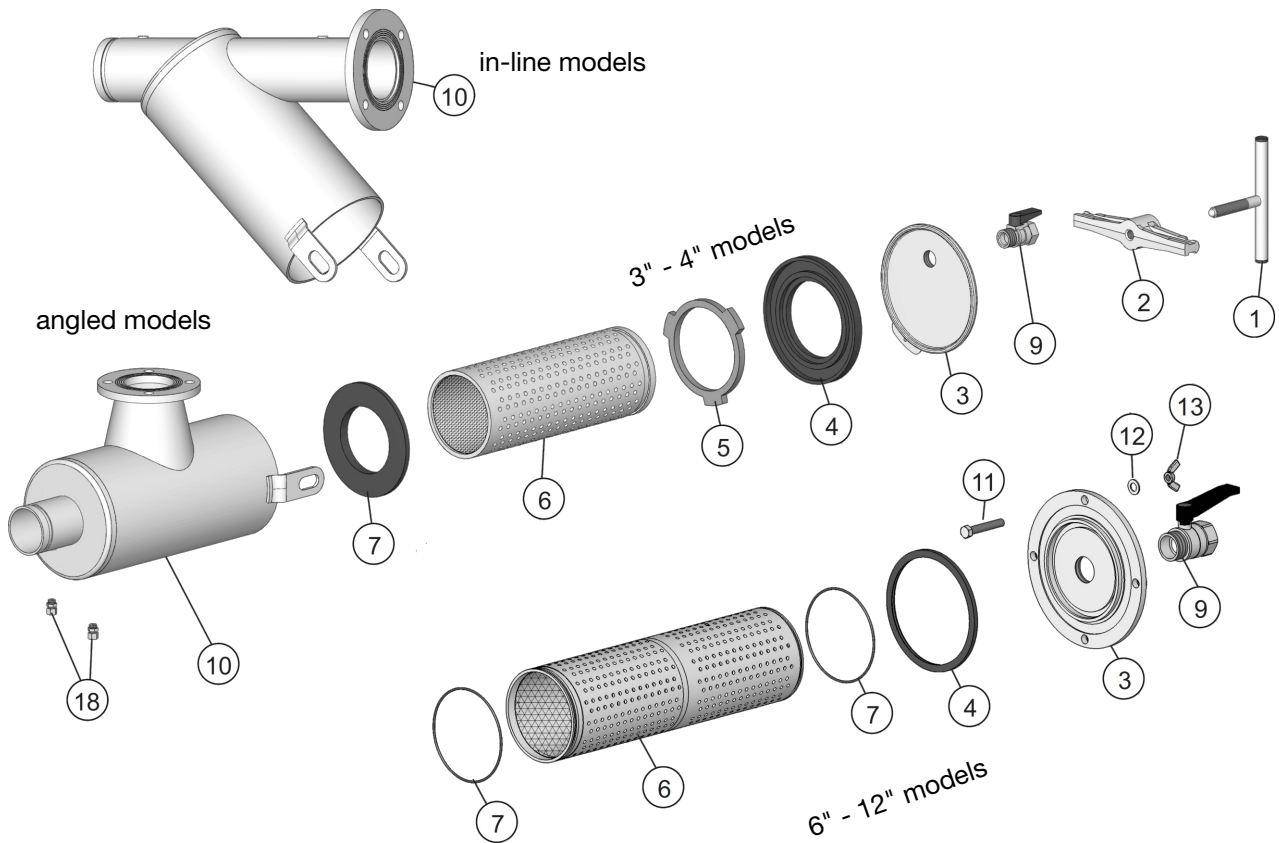
In view of on-going improvements, we reserve the right to change specifications at any time without prior notice.

Each filter comes with this manual which includes installation, operating and maintenance instructions.

Maintenance:

Apply a film of grease on the thread of the spindle each year.

Any damage to the protective coating of the filter must be repaired immediately. Before applying the protective paint, the damaged spot must be cleaned thoroughly using a steel wire brush.



Type In-line	Unit	4U19003F	4U19004F	4U19706F	4U19708F	4U19710F	4U19712F
Connection	inch	3"	4"	6"	8"	10"	12"
Capacity	m ³ /h	60	100	250	350	500	650

Type Angled	Unit	4U19903F	4U19904F	4U19806F	4U19808F	4U19810F	4U19812F
Connection	inch	3"	4"	6"	8"	10"	12"
Capacity	m ³ /h	60	100	250	350	500	650



Subject to modifications
No liability accepted for errors or misprints