

### General instructions

This strainer has been designed and built to the highest standards of quality and finish and has been developed to protect pumps, water meters, valves, etc.

A strainer prevents stones and large particles entering the water system during operation. For the best results, the strainer must be correctly mounted, operated and maintained in accordance with the following instructions.

### Installation

Install the strainer in the horizontal position with the ball valve facing down. The inlet and outlet are clearly marked with arrows.

When installing more than one strainer, allow enough space between the units for easy maintenance.

The maximum pressure is 10 bar. A pressure relief valve must be installed upstream of the strainer if the pressure is not sufficiently under control.

### Operation

Under normal operation, pressure loss is lower than 0.25 bar, provided the strainer is clean. If the pressure loss is greater than 0.25 and the filter element is clean, then the flow rate through the strainer must be too high (chosen strainer is too small).

Check the pressure loss regularly by installing manometers in the connections on the strainer's inlet and outlet.

If the pressure loss reaches 0.7 bar, open the drain valve for 10 seconds.

Check the pressure loss again. If the pressure loss remains above 0.5 bar, the screen will need to be disassembled and cleaned.

### Cleaning the screen

Stop the water flow to the strainer.

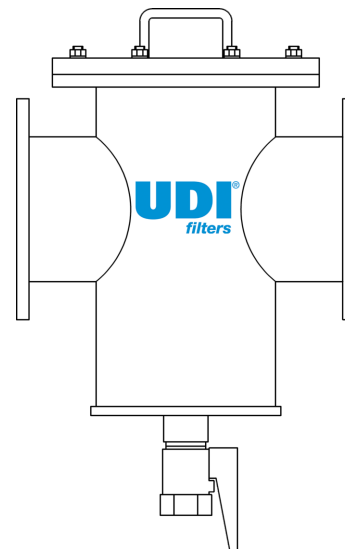
Open the drain valve to release the pressure and leave the valve open.

Remove the cover by unscrewing the bolts and wait until all the water has run out through the drain valve. Carefully remove the screen from the filter housing. Removing the screen before all the water has been drained may result in sediment entering the water system.

Carefully rinse the filter screen with clean water.

If necessary, use a brush to remove particles from the screen. (Do not use a wire brush!)

Check whether the screen is intact. Check whether the lower seal is in position and place the screen back on the filter. Put the cover with the upper seal back and tighten the bolts evenly.



Type	Unit	84102F	84103F	84104F	84106F	84108F	84110F	84112F	84112F	84112F
Connection	inch	2"	3"	4"	6"	8"	10"	12"	14"	16"
Capacity	m <sup>3</sup> /h	20	40	65	150	260	400	580	700	880



**Maintenance:**

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.

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

**Note:**

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

#	Part
1	Filter cover
2	Upper seal
3	Filter screen
4	Lower seal
5	Plug
6	Ball valve
7	Filter body

