Simple to install, straightforward to maintain

Operating pressures in line with DIN 2401 for liquids, gases and vapours

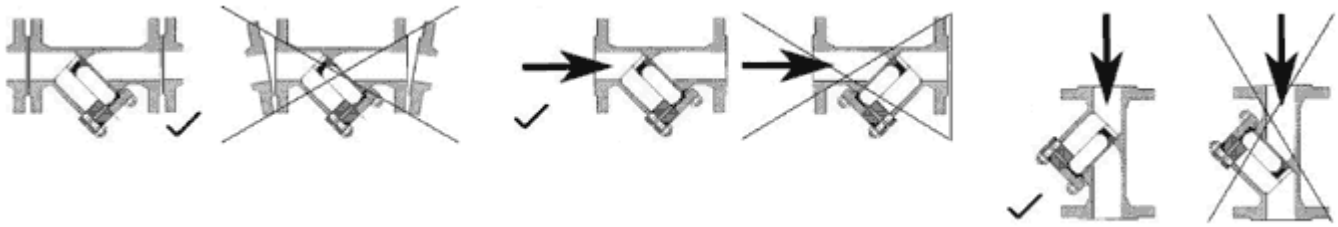
We make express reference to the restrictions applying to materials pursuant to DIN 2401, sheet 2, page 3.
Cast iron strainer are not approved for use in equipment according to TRD 110.

PN	Permissible operating pressure in bar at temperature specified in °C														
	120	200	250	300	350	400	425	450	475	500	510	520	530	540	550
PN 6	6	5	4,5	3,6											
PN 10	10	8	7	6											
PN 16	16	13	11	10											
PN 25	25	22	20	17	16	13									
PN 40				40	38	36	35	34	33	29	24	19	15		
PN 63				63	61	58	57	56	53	47	40	32	25		
PN 100				100	95	91	89	87	82	74	62	49	38		
PN 160				160	153	146	142	139	132	118	100	79	62	46	35

Material tests

Certificates of compliance, inspection certificates and approval certificates can, if required, be requested upon issuing the order. The additional costs that this incurs will be invoiced.

Fitting / installation



The strainers are fitted with the screen basket filters facing downwards in the direction of the flow (see arrow on the device casing).

We recommend that shut-off valves are fitted on either side of the strainer in order to be able to clean the filter without having to completely empty the system. Strainers with fine mesh screens (double screen) are marked with a red dot on the plug or flange cover.

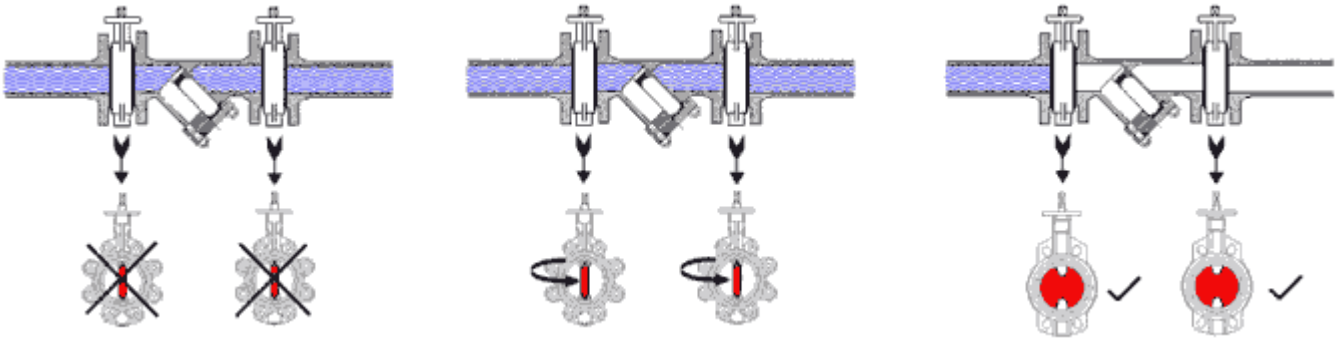
If you need to integrate a strainer into a suction line, please enquire about our special models.

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Maintenance / screen cleaning

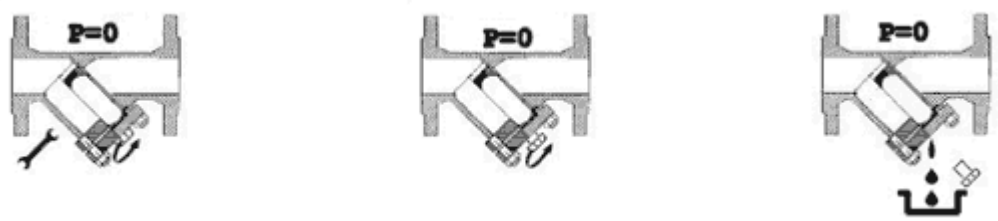
The screen is to be cleaned at regular intervals depending on the level of soiling caused by the respective medium. The strainers require no further maintenance.

Step 1: Shutting off the system



Whenever maintenance and cleaning measures are being carried out, the shut-off devices at the front and back of the strainer must be closed. This is to prevent the continued flow of the medium and to establish a pressure-free environment.

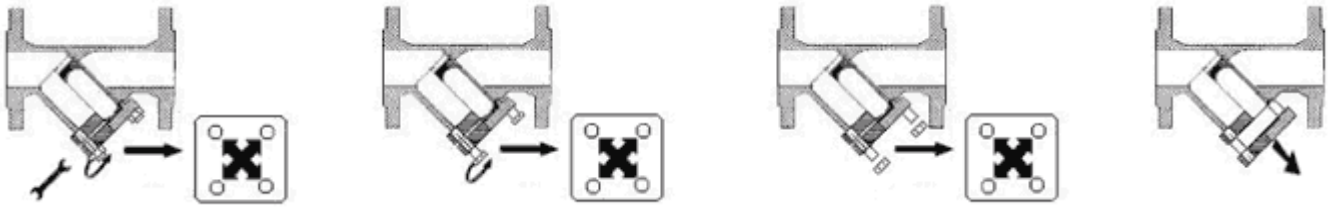
Step 2: Emptying the strainer



Caution: In order to carry out this work, the system must be entirely pressure-free!

Loosen the flat head cover with a suitable instrument. Carefully screw out the flat head cover and have a suitable container at the ready in order to catch any liquid that escapes.

Step 3: Removing flange cover



Loosen the bolts on the flange cover with a suitable instrument. Please take care to loosen and to screw out the nuts in a crosswise manner in order to prevent the cover from tilting.

Once all the nuts have been removed from the screws, you can remove the cover from underneath. Here too, you will need to have a suitable container at the ready in order to catch any remaining fluids.

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Step 4: Removing the screen



Once the cover has been removed and the residual liquid has come out, you can remove the screen by also pulling it out from under the strainer.

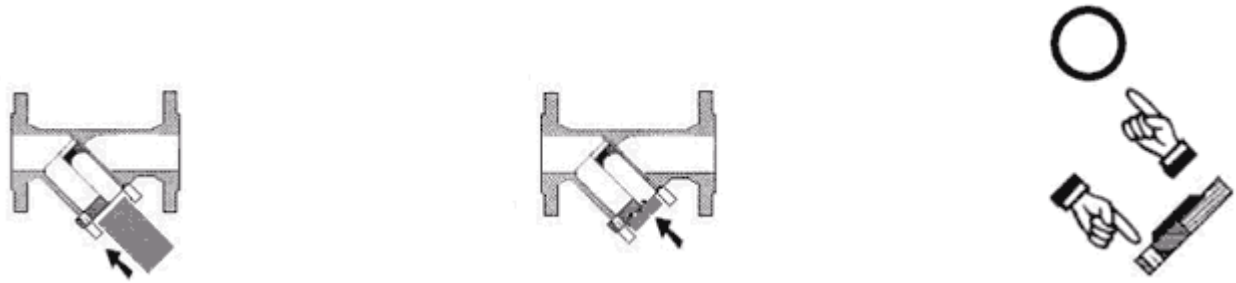
Step 5: Cleaning screen and checking for damage



Depending on the medium, remove the dirt and deposits using water, a special cleaning liquid or a brush. In doing so, please adhere to your company regulations with regard to environmental protection and safety!

Following the cleaning procedure, check the screen for any damage.
Should you discover holes or other damage in the screen, then you will need to replace the screen! Only faultless screens can be re-fitted following cleaning.

Step 6: Fitting the screen



Carefully slot the screen back into the strainer from below.

Remove the cover seal from the cover in order to visually check it before fitting.

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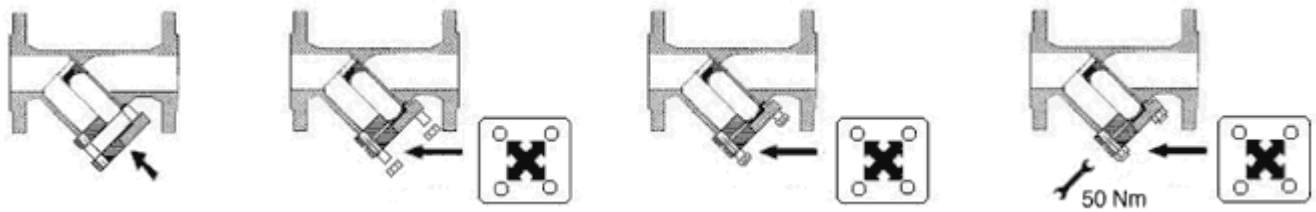
Step 7: Checking and fitting cover seal



Should the cover seal show any signs of damage, then it must be replaced. Only an entirely defect-free cover seal can guarantee that the strainer is reliably sealed.

If the cover seal is undamaged, then refit the respective nut in the strainer – not the cover!

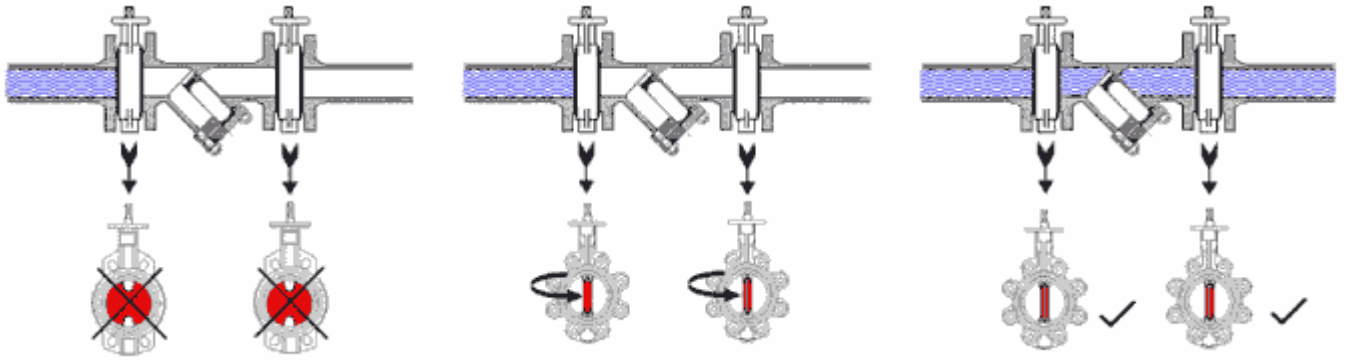
Step 8: Fitting and screwing flange cover tight



Place the flange cover back onto the strainer and screw the nuts crosswise onto the screw thread. Finally, screw the nuts (crosswise) using the torque prescribed (50 Nm).

Make sure to remember to properly replace the flat head cover onto the lid!

Step 9: Commissioning the system



Following successful completion of cleaning / maintenance measures, you can restart your system by slowly opening the shut-off valves.

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