



CE 0036



Operating instructions and safety regulations for putting into operation and maintenance of strainer CSF

Please read carefully!

Security note

Only qualified skilled workers are permitted to install the armature. This should be staff that is well acquainted with setting up, fitting, putting into operation, operating and maintain the tool. The staff must have a qualification at their disposal which corresponds with their function and occupation, such as:

- Instruction and commitment for the observance of all regional and internal regulations and commitments regarding operation.
- Education in accordance with the standards of security engineering, in application and maintenance of adequate equipments of security and labour protection.
- Training in first aid etc.

Proper maintenance

Inset in conduits for filtration of the media. Solids, weld metal, particle and other contaminations will be restrained. Pay attention to the permissible limits of pressure and temperature, observing the chemical and corrosive influences.

The media-resistance of the strainer must be tested for operating conditions.



Danger notes

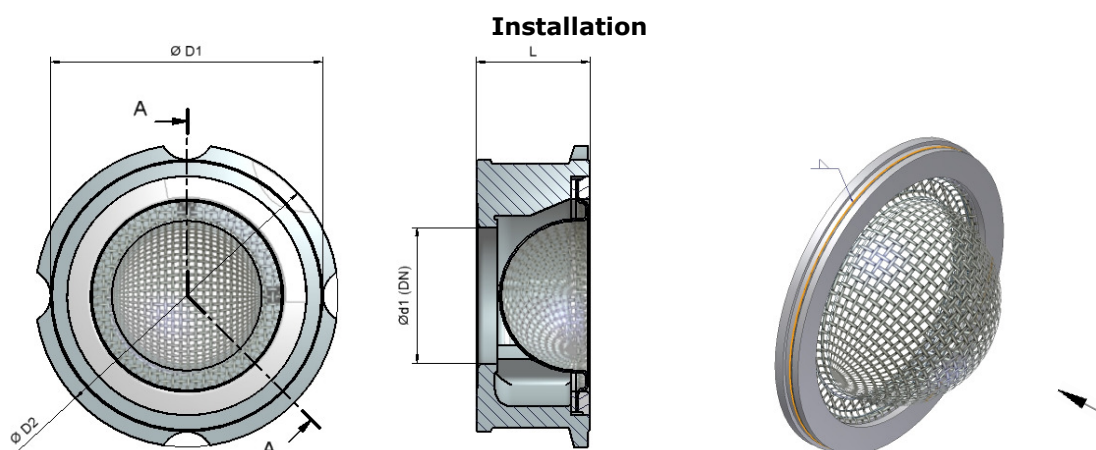
During operation the strainer is under pressure!

If flange connections or screw plugs are loosened, hot water, steam, corroding liquids or toxic gases will escape. Serious scalds and burns on the whole body are possible! Serious contaminations are possible!

- Work for assembly or maintenance to be done in pressure less condition only.
- During operation, the strainer will be hot or extremely cold.
- Work for assembly or maintenance to be done at room temperature only.
- Sharp-edged interior parts can cause cuts on hands.
Wearing gloves for exchanging the strainer is necessary!
- Further measurements, materials and fields of application can be seen in the correspondent Data Sheet.



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Strainer Type CSF for installation between flanges according to the correspondent drawings.

- Installation between flanges according to DIN EN 1092-1, PN 6/10/16/40. The centre ring between the flanges is executed at the body integrated centre ring band by means of the flange connecting screws. The centre ring $\varnothing D1$ is for the nominal pressure classification PN6, $\varnothing D2$ for PN 10-40 interpreted.

Installation between flanges of other norms on inquiry. The installation length corresponds to DIN EN 558-1, basic row 49 and from DN 250 on according to DIN EN 558-2, basic row 52. For special applications corresponding regulations have to be noted e.g. AD-leaflets (working group for pressure devices) or TRD-directives (technical rules for steam boilers).

Preparation for installation

- The assembly must be carried out according to the recognized rules of technology.
- The strainer assemble with two seals, a flange pair and at least two screws weld to the piping. Removing the strainer and seals and carry out the flange welding. The welding residue must be removed and the weld must be cleaned. The cleaned strainer can be reinstated with the seals.

Note direction of flow (direction of arrow on housing)!

- The fitting position can be installed horizontal or vertical.
- For oscillatory systems (e.g. compressors, diaphragm pumps etc.) please pay attention that the standard execution corresponds with the operation.
- Strainers mustn't be built apart.
- Using only original spare parts.
- Functional test



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Product classification according to article 9 of directive of pressure devices (DGRL)

Group 1 (Dangerous fluids)
Appendix II (Diagram 6)

Category with pressure limit PN 40	Exception according to article 3.3	I	II	III
Nominal size DN	15-25		32-100	125-300
CE marking	no		CE 0036	CE 0036
Type CSF-2764, 6464	all		all	all

Technical data for strainers CSF, DN015 -100 (application limits)

CSF-2764-							CSF-6464-						
DN015-100							DN015-100						
t (°C)	-10	RT	150	200	300	400	t (°C)	-200	RT	100	300	400	500
Ps (bar)	40	40	35.2	33.3	27.6	23.8	Ps (bar)	40	40	37.9	27.6	25.7	24.3

For further technical information please consult the correspondent Data Sheet.

Technical data for strainers CSF, DN125 -200 (application limits)

CSF-2764-							CSF-6464-						
DN015-100							DN015-100						
t (°C)	-10	RT	150	200	300	400	t (°C)	-200	RT	100	300	400	500
Ps (bar)	40	40	35.2	33.3	27.6	23.8	Ps (bar)	40	40	37.9	27.6	25.7	24.3

For further technical information please consult the correspondent Data Sheet.