

Tender specification:

Oventrop “Y” type strainers PN 25 for central heating and cooling system with closed circuits and industrial plants, for the operation with non-aggressive, harmless fluids (e.g. water or suitable water and glycol mixtures according to VDI 2035/ÖNORM 5195).

Material resistant to: Mineral, heating and hydraulic oils, fuels, water vapour as well as air and other harmless, non-aggressive gases (not suitable for gaseous fluids group 1 according to directive 2014/68/EU)

(The valid rules and standard for the use of these media may restrict the temperature range.)

Technical data:

Max. operating pressure p_s : 25 bar (PN 25)

Operating temperature t_s : -10 °C up to 150 °C

DN 8 - DN 50: Bronze body, brass bonnet

DN 65 and DN 80: Brass body and bonnet

Wire basket made of chromium steel.

The sizes DN 10 - DN 80 are WRAS (United Kingdom) certified for installation in potable water systems.

Models:

Mesh size 0.6 mm; 100 meshes/cm²

Mesh size 0.25 mm; 600 meshes/cm²

The strainers DN 10 - DN 20 are suitable for use with compression fittings.

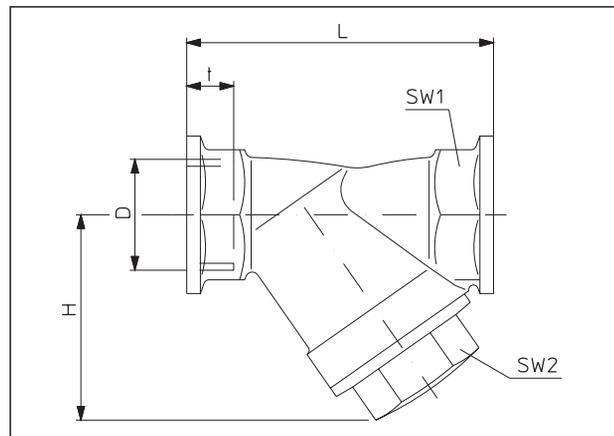
Function:

Oventrop “Y” type strainers protect the pipework from harmful impurities, increase the service life of regulating and isolating valves and therefore prevent the premature breakdown of machines and appliances.

The strainers can be installed either vertically or horizontally, but the direction of flow always has to be observed. To facilitate straining, the strainer should be in a downward position.

Two mesh sizes are available for the wire baskets:

0.6 mm = 100 meshes/cm² or 0.25 mm = 600 meshes/cm² for fine straining. The wire baskets are interchangeable.



Dimensions

Advantages:

Due to the body being made of bronze and the wire baskets of stainless chromium steel, Oventrop “Y” type strainers are corrosion-resistant. Depending on the degree of contamination of the fluid, the wire basket has to be cleaned from time to time.

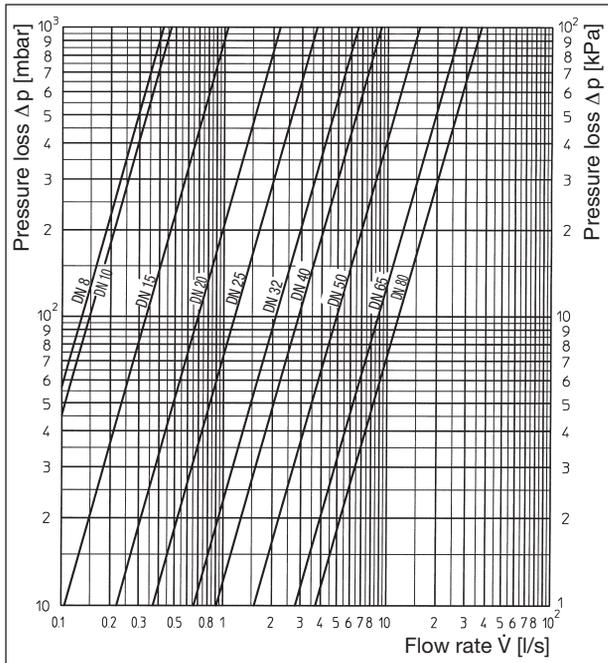
Oventrop “Y” type strainers have a high capacity of absorption. The surface of the wire basket corresponds to a multiple of the flow cross-section. Should a cleaning of the wire basket become necessary, this is easily done. Wire baskets for replacement are available for all dimensions.

DN	D	L	t	H	SW* ₁	SW* ₂	Item no.	Item no.
8	G ¼	56	11	34	21	17	1120002	1121002
10	Rp ⅜ DIN EN 10226	63.5	10.1	34	22	17	1120003	1121003
15	Rp ½ DIN EN 10226	66.5	13.2	42	27	22	1120004	1121004
20	Rp ¾ DIN EN 10226	76.5	14.5	52	32	27	1120006	1121006
25	G 1	90	11.5	61	38	32	1120008	1121008
32	G 1¼	112	15.5	73	47	41	1120010	1121010
40	G 1½	120	14.5	82	54	46	1120012	1121012
50	G 2	150	18.5	94	66	56	1120016	1121016
65	G 2½	221	23	116	85	70	1120020	1121020
80	G 3	254	26	134	100	75	1120024	1121024

Dimensions and item numbers

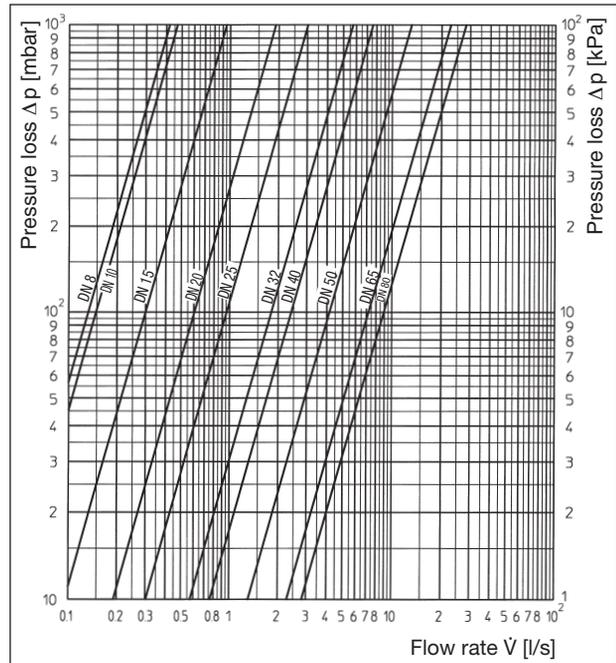
*SW = Spanner size

Item no. 11200.. with mesh size 0.6 mm; item no. 11210.. with mesh size 0.25 mm.



“Y” type strainer 11200

(values with water as flow medium)
Mesh size 0.6 mm; 100 meshes/cm²



“Y” type strainer 11210

(values with water as flow medium)
Mesh size 0.25 mm; 600 meshes/cm²

		Strainer 11200 with water as flow medium		Strainer 11210 with water as flow medium	
DN	di/mm	k _v	Zeta	k _v	Zeta
8	8.8	1.5	4.3	1.4	5.0
10	12.5	1.7	13.2	1.6	14.7
16	16.0	3.8	7.2	3.4	9.2
20	21.6	7.8	5.8	6.9	7.4
25	27.2	13.4	4.9	10.9	7.3
32	35.9	23.9	4.7	20.7	6.2
40	41.8	32.5	4.6	27.4	6.5
50	53.0	56.2	4.0	47.3	5.6
65	68.8	101.3	3.5	82.1	5.3
80	80.8	133.6	3.8	102.0	6.6

Zeta values related to the inner pipe diameter according to DIN EN 10255.

k_v values in m³/h with Δp 1 bar.

Replacement wire baskets:

Wire basket

(mesh size 0.6 mm)

Item no.:

DN 8 and DN 10	1123003
DN 15	1123004
DN 20	1123006
DN 25	1123008
DN 32	1123010
DN 40	1123012
DN 50	1123016
DN 65	1123020
DN 80	1123024

Double wire basket

(mesh size 0.25 mm)

Item no.:

DN 8 and DN 10	1123103
DN 15	1123104
DN 20	1123106
DN 25	1123108
DN 32	1123110
DN 40	1123112
DN 50	1123116
DN 65	1123120
DN 80	1123124

Subject to technical modifications without notice.

Product range 5
ti 20-EN/10/MW
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