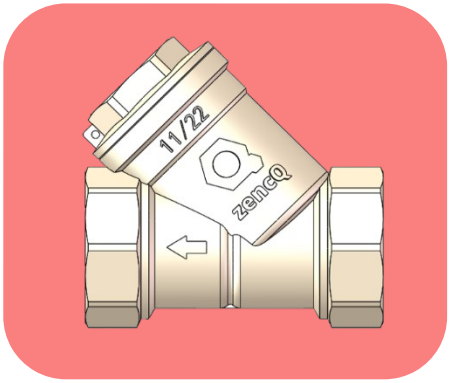
Y-strainer

ZQYS200D15-50

zencQ

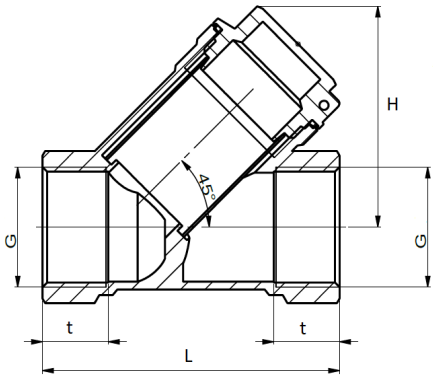
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PRODUCT DESCRIPTION

Y-strainers are used to clean the flow from mechanical impurities in pipeline systems of hot and cold water, compressed air, oil and liquid hydrocarbons at a temperature of the transported medium up to 110°C.

A filter element is located inside the brass body, which cleans the working environment.

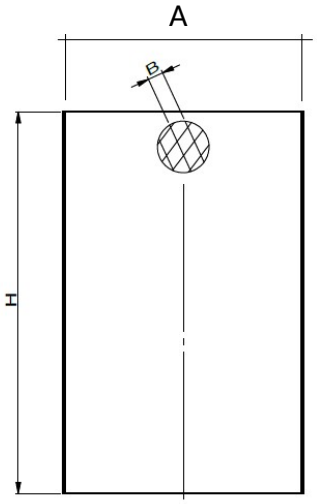


TECHNICAL PARAMETERS	
Connection type	Threaded
Maximum operating temperature	110 °C
Nominal pressure, PN	20 bar
Mesh size (1/2”-1”)	500 microns
Mesh size (1*1/4”-1*1/2”)	700 microns
Mesh size (2”)	850 microns
Nominal diameter range DN	15-50 mm

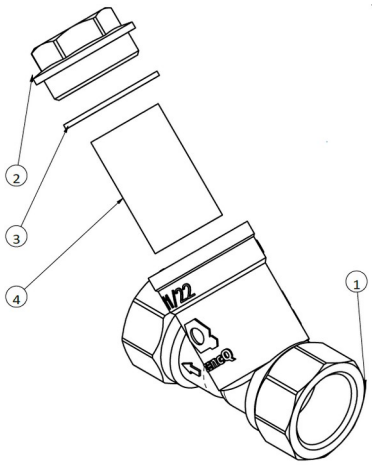
DIMENSIONS

PA3MEP	1/2”	3/4”	1”	1*1/4”	1*1/2”	2”
G	1/2”	3/4”	1”	1*1/4”	1*1/2”	2”
L (mm)	57,5	65,5	75	90	101	122
H (mm)	39,3	48,7	54,3	67,2	78,1	96
t (mm)	13	14,5	15,5	17,5	18	22
Weight, g	133	207	297	540	718	1149

DIMENSION	A, mm	H, mm	B, mm
1/2”	19	31,5	0,5
3/4”	24,5	31,5	0,5
1”	28	44,5	0,5
1*1/4”	36	52	0,7
1*1/2”	43	59	0,7
2”	52,5	71,5	0,85

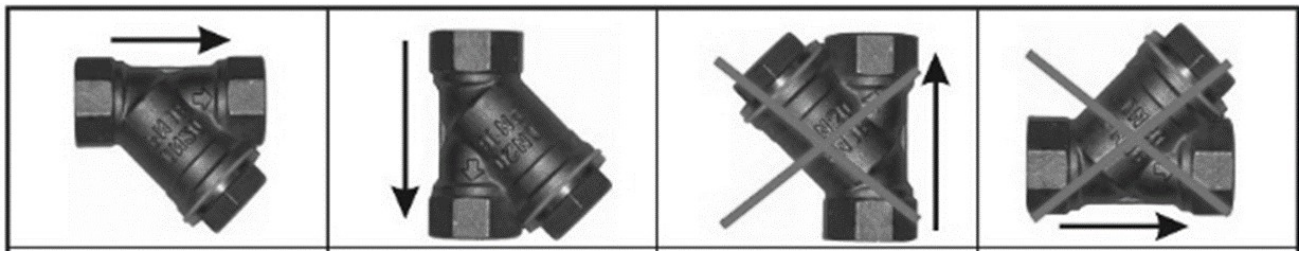


DESIGN AND MATERIALS		
1	Body	Brass CW617N
2	Cap	Brass CW617N
3	Seal	PTFE
4	Filter element	Stainless steel AISI304



INSTALLATION REQUIREMENTS

1. Y-strainer can be installed either horizontally or vertically with the filter plug pointing down.



2. When the flow direction is from bottom to top, it is necessary to make a horizontal section for the correct installation of the Y-strainer, otherwise the installation of the filter will clog the lower outlet (elbow or tee) of the pipeline.
3. Y-strainer should not experience loads from the pipeline (bending, compression, tension, torsion, distortions, vibration, nozzle misalignment, uneven tightening of fasteners). If necessary, supports or compensators should be provided to reduce the load on the filter from the pipeline. The misalignment of the connected pipelines should not exceed 3 mm with a length of up to 1 m plus 1 mm for each subsequent meter.
4. Couplings must be made using sealing materials.
5. When mounting y-strainers, it is not allowed to exceed the torques indicated in the table:

TORQUE LIMIT						
Thread size	1/2"	3/4"	1"	1*1/4"	1*1/2"	2"
Limit torque on the thread, Nm	35	45	65	90	130	160

6. After installation, the system must be tested with a static pressure of 1.5 times the design working pressure in the system, but not less than 6 bar.

OPERATION AND MAINTENANCE REQUIREMENTS

1. Y-strainers must be operated at the pressure and temperature specified in the specification table.
2. To clean y-strainer, it is necessary to close the inlet shut-off device of the system, empty the section of the pipeline with the filter, then unscrew the filter plug and clean the mesh. If the filter element is heavily clogged, it must be replaced.

MANUFACTURER

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Country of origin: China

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