S40

Bronze Y-Strainer
PN20
Size ½" to 2" only

FILTRATION

Specifications:

IVAL® Bronze Y-Strainer, with body and bonnet to (EN1982 CC491K), PTFE gasket, Threaded Ends, PN20 rating.

Stainless Steel Mesh.

UK END CONNECTION: BSPT Taper Threaded to BS EN 10226-1, compatible with ISO 7/1.

WRAS approved.

Features:

- Eliminate the problems caused by foreign matter within piping systems.
- Perforated stainless steel screen with robust design.
- Robust and high-quality bronze body.
- Streamlined flow contours minimize pressure drop.
- Compact design with short face to face.
- Perforated stainless steel screen.
- Captive asbestos-free non-stick PTFE gasket
- Rated 2.0 MPa.

Pressure/Temperature Ratings:

Temperature (°C)	-10 to +100	180
Pressure (Bar)	20	9

Intermediate pressure ratings shall be determined by interpolation.

Materials:

No.	Description	Material	Specification
1	Body	Bronze	EN 1982 CC491K
2	Bonnet	Bronze	EN 1982 CC491K
3	Strainer	Stainless Steel	AISI 304
4	Gasket	PTFE	-
5	Nameplate	L2	-
6	Rivet	Stainless Steel	AISI 304

Dimensions:

Size	DN15	DN20	DN25	DN32	DN40	DN50
Thread A	½"	¾"	1"	1 ¼"	1 ½"	2"
L (mm)	57	72	74.5	95	105	129
H (mm)	34	39.5	43	54	61.5	74.5
D (mm)	15	18.5	21	29	32	46
E (mm)	11.5	14	16	18	18	21
Mesh (Hole Dia.)	30 Ø 0.46			20 Ø 0.92		
Weight (g)	191	285	397	697	930	1,359
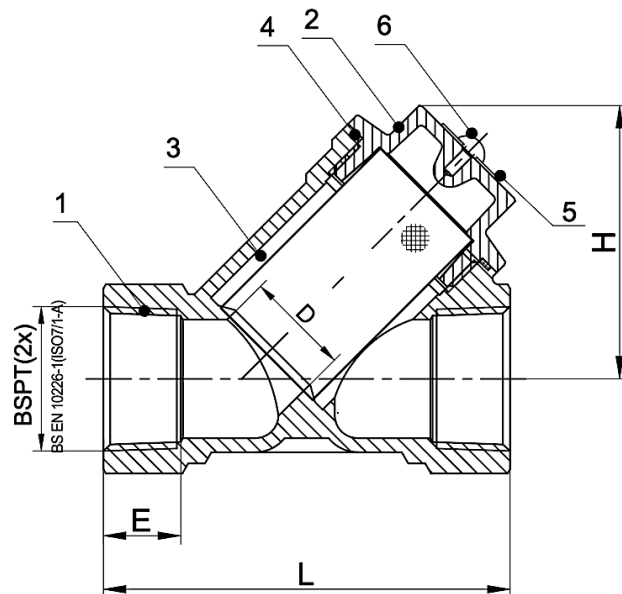
This valve is not suitable for use on Gases Group 1& 2 or unstable fluids Group 1, as defined by the Pressure Equipment Directive 2014/68/EU.

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Flow Characteristics:

Size	DN15 - 1/2"	DN20 – 3/4"	DN25 – 1"	DN32 – 1.1/4"	DN40 – 1.1/2"	DN50 – 2"
Kv (m3/h)	4.61	8.51	9.85	17.05	20.28	39.22

Formula linking flow **Q (in l/s)** and theoretical valve head loss **ΔP (in KPa)**:

$$\Delta P = \left(\frac{36.\,Q}{K_v}\right)^2$$

Pressure Loss vs. Flow Rate Chart:

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