

Y-strainer with integral ball valve



120 series

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Application

The FlowCal™ Y-strainers include a combination Y-strainer with integral upstream isolation ball valve. Inspection, cleaning and replacing the strainer cartridge can be performed easily without removing the body from the piping. All configurations are available with optional factory-installed pressure and temperature test ports. Drain valves are also available as an accessory for installing in the blowdown port connection. The 120 series is for hydronic heating applications and not for plumbing applications.

Typical Specification

Furnish and install on the plans and described herein, a 120 series Y-strainer with integral ball valve, as manufactured by Caleffi. Brass body. Stainless steel strainer, strainer mesh 0.87 mm (20 mesh). Chrome-plated brass ball. PTFE ball seat and stem seal. Zinc-plated lever with vinyl grip. Suitable fluids: water and glycol solutions. Maximum percentage of glycol 50%. Maximum working pressure rating is 400 psig (400 WOG). Temperature range 32-212 °F (0-100 °C). Range of available flow rates: 8.0 to 20 Cv. Connections ½", ¾", 1", 1-¼" NPT female or sweat with union inlet x NPT female or sweat outlet. Provide with optional brass pressure and temperature port plugs and/or drain valve. Strainers shall be a Caleffi 120 Series or approved equal.

(See product instructions for specific installation information.)

Technical specifications

Materials

Body: brass
Strainer cartridge: stainless steel
Seals: EPDM
Ball: brass, chrome-plated
Ball and control stem seal: PTFE
Lever: special zinc-plated steel
Identification: metal plate with ball chain stating mesh size

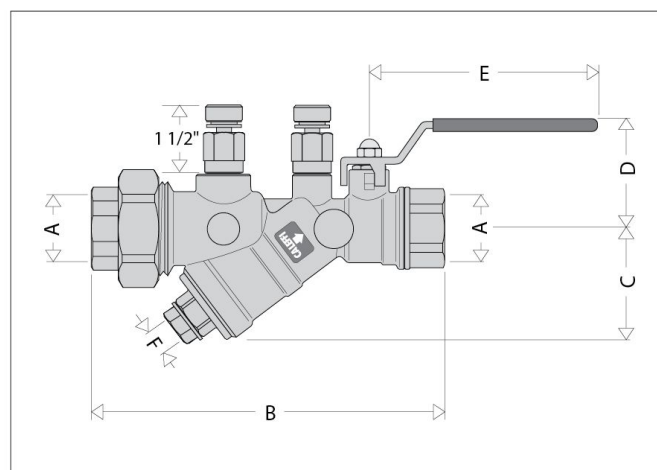
Performance:

Medium: water, glycol solutions
Max. percentage of glycol: 50%
Max. working pressure: 400 psi (400 WOG)
Working temperature range: 32 – 212 °F (0 – 100 °C)
Strainer mesh diameter: 0.87 mm (20 mesh)
Cv: ½": 8.0, ¾": 8.4, 1": 19.0, 1-¼": 20.0

Connections:

½", ¾", 1", 1-¼" NPT or sweat

Dimensions



Code	A	B	C	D	E	F	G
12014...	½"	6 ¾"	1 ⅞"	1 ⅞"	3 ⅞"	¼"	3.00
12015...	¾"	6 ¼"	1 ⅞"	1 ⅞"	3 ⅞"	¼"	3.00
12016...	1"	8 ⅞"	3 ¾"	2 ⅞"	4 ¾"	½"	6.00
12017...	1 ¼"	8 ⅞"	3 ¾"	2 ⅞"	4 ¾"	½"	6.00
12034...	½"	6 ¾"	1 ⅞"	1 ⅞"	3 ⅞"	¼"	3.50
12035...	¾"	6 ¼"	1 ⅞"	1 ⅞"	3 ⅞"	¼"	3.50
12036...	1"	8 ⅞"	3 ¾"	2 ⅞"	4 ¾"	½"	6.50
12037...	1 ¼"	8 ⅞"	3 ¾"	2 ⅞"	4 ¾"	½"	6.50

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice. Contractors should request production drawings if prefabricating the system

Job name _____
Job location _____
Engineer _____
Mechanical contractor _____
Contractor's P.O. No. _____
Representative _____

Size _____
Quantity _____
Approval _____
Service _____
Tag No. _____
Notes _____