Y-strainer

120 series

01041/23 NA

Replaces 01041/14 NA

Function

The FlowCal™ Y-strainers include a combination Y-strainer with integral ball valve. Inspection, cleaning and replacing the strainer cartridge can be performed easily without removing the body from the pipeline. 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.

Product range

120 series FlowCal™ Y-strainer with integral ball valve, with pressure and temperature test ports ..... sizes ½", ¾", 1", 1-¼" NPT female union x NPT female
sizes ½", ¾", 1", 1-¼" sweat union x sweat

Technical specifications

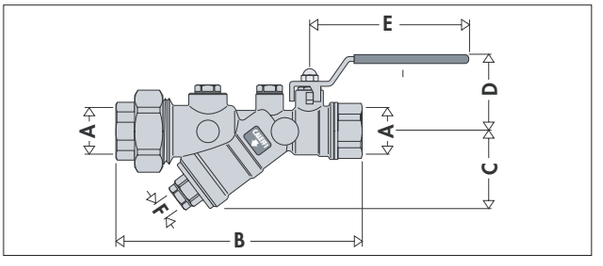
Materials

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

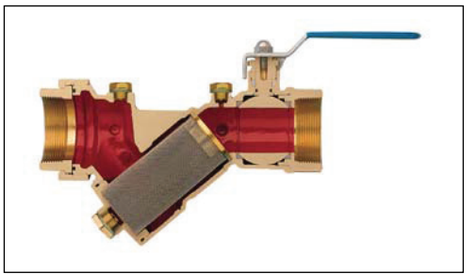
Medium:	water, glycol solutions
Max. percentage of glycol:	50%
Max. working pressure:	400 psi (400 WOG)
Working temperature range:	32-212°F (0-100°C)
Strainer mesh diameter:	0.87 mm (20 mesh)
Connections:	½", ¾", 1", 1-¼" NPT or sweat
Cv:	½": 8.0; ¾": 8.4; 1":19.0; 1-¼": 20.0

Dimensions



Code	A	B	C	D	E	F	Weight (lb)
12014 ...	½"	6 3/16"	1 15/16"	1 15/16"	3 15/16"	¼"	3.00
12015 ...	¾"	6 1/4"	1 15/16"	1 15/16"	3 15/16"	¼"	3.00
12016 ...	1"	8 5/8"	3 3/4"	2 5/8"	4 3/4"	½"	6.00
12017 ...	1 ¼"	8 11/16"	3 3/4"	2 5/8"	4 3/4"	½"	6.00

Code	Description	Cv
120141A 000	½" NPT female	8.0
120149A 000	½" sweat	8.0
120151A 000	¾" NPT female	8.4
120159A 000	¾" sweat	8.4
120161A 000	1" NPT female	19
120169A 000	1" sweat	19
120171A 000	1¼" NPT female	20
120179A 000	1¼" sweat	20
120341A 000	½" NPT female with PT	8.0
120349A 000	½" sweat with PT	8.0
120351A 000	¾" NPT female with PT	8.4
120359A 000	¾" sweat with PT	8.4
120361A 000	1" NPT female with PT	19
120369A 000	1" sweat with PT	19
120371A 000	1¼" NPT female with PT	20
120379A 000	1¼" sweat with PT	20



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Drain valves for field installation in blow-down-port connection of the 120 series Y-strainer.
Brass body.
With ¾" garden hose connection.
Max. working pressure: 150 psi.
Max: working temperature: 250°F.

538202 FD	¼" NPT fits ½—¾" 120 series
538402 FD	½" NPT fits 1—1¼" 120 series

NA1023
PT test ports

Fast-plug pressure/temperature test ports fits FlowCal™ automatic flow balancing valves and the 120 series Y-strainer. The double-sealing core insures long and trouble free service.
Low-lead brass body.
Nordel Core.
Connections: ¼" NPT male.
Cap thread: ⅜"-24 UNF
Working temperature range: 0—275°F.
Max. working pressure: 435 psi.
Pair (2 ports included).

100001A	Standard size, 1½" length (pair)

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SPECIFICATION SUMMARY

120 series

Y-strainer and integral ball valve, 120 series. Brass body. Stainless steel strainer, strainer mesh 0.87 mm (20 mesh). Chrome-plated brass ball. PTFE ball seat and stem seal. Zinc-plated steel lever with vinyl grip. Low-lead brass pressure and temperature port plugs. 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.

We reserve the right to change our products and their relevant technical data, contained in this publication, at any time and without prior notice.

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