AutoFill™ automatic filling valve

5350 series

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Application

The 5350 series AutoFill™ automatic fi lling valve is a pressure reducing valve which when installed on the water inlet piping in closed hydronic systems will maintain system pressure at a set value, automatically filling up with water as required. Fast fills the system to set pressure then automatically shuts off the water feed. This product is factory pre-set to 15 psi system pressure. To adjust the set pressure, simply turn the adjustment knob while observing the integral dowmstream pressure gauge. This product has the characteristic of being pre-adjustable, which means that it can be adjusted at the right pressure value before the system charging phase. After installation, the system pressure will automatically adjust itself to the set value and the water feed will stop when the set pressure is reached. The internal cartridge containing all the controlling components is preassembled as a self-contained unit, to facilitate inspection and maintenance procedures.

Typical Specification

Furnish and install on the plans and described herein, a Caleffi AutoFill™ 5350 series automatic filling valve as manufactured by Caleffi. Each valve must be designed with a compensated seat and self-contained cartridge. The filling valve design must have a brass body and internal moving parts and include a glass fiber reinforced nylon PA66G30 cover, stainless steel filter with 0.51 mm mesh size (35 mesh), NBR diaphragm and seals. The filling valve must be come complete with adjustment knob with downstream presure regulating indicator showing increasing or decreasing pressure direction for manual setting, pressure gauge with 2 inch dial, scale 0-100 psi (0-7 bar), connection 1/8" NPT male. Max. working temperature 140°F (60°C), max. upstream pressure 365 psi (25 bar), downstream pressure setting range 6-90 psi (0.5-6 bar). Connections 3/4" NPT male, 3/4" sweat, and 3/4" press. (See product instructions for specific installation information.)

Technical Data

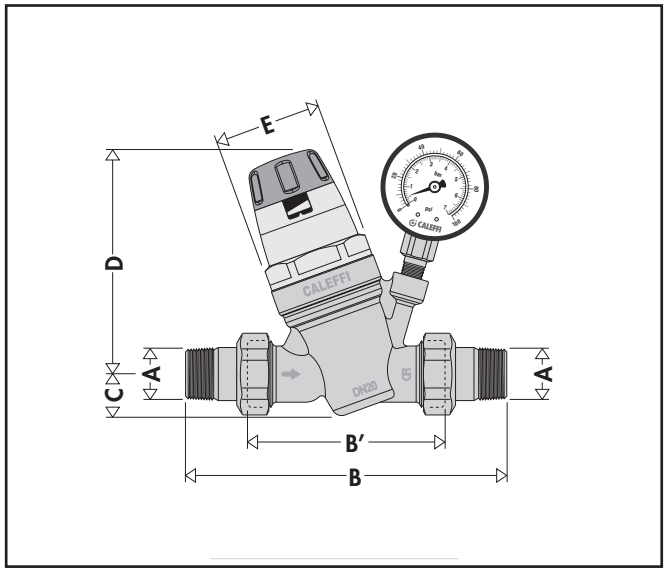
Materials

Body and internal moving parts:	brass
Cover:	glass fiber reinforced nylon PA66G30
Control spindle:	stainless steel
Diaphragm and seals:	NBR
Filter:	stainless steel

Performance

Suitable Fluids:	water
Max. working pressure:	365 psi (25 bar)
Downstream pressure setting range:	6 - 90 psi (0.5–6 bar)
Factory setting:	15 psi (1.035 bar)
Max. working temperature:	140°F (60°C)
Max. flow rate:	24 gpm at 21 psid pressure drop
Pressure gauge scale:	0-100 psi (0-7 bar)
Filter mesh size:	0.51 mm (35 mesh)
Environmental:	indoor only
Connections:	
Main:	¾" NPT male union
	¾" sweat union
	¾" press
Lay length (press connection):	4-7/16"
Pressure gauge:	1/8" NPT

Dimensions



Code	A	B	B'	C	D	E	Wt. (lb.)
535051A	¾" NPT	5½"	3½"	13/16"	4 7/16"	2⅛"	2.3
535056A	¾" press	6¼"	3½"	13/16"	4 7/16"	2⅛"	2.3
535059A	¾" SWT	5½"	3½"	13/16"	4 7/16"	2⅛"	2.3

Job name _____ Size _____
Job location _____ Quantity _____
Engineer _____ Approval _____
Mechanical contractor _____ Service _____
Contractor's P.O. No. _____ Tag No. _____
Representative _____ Notes _____

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