FLOWCAL™

127 Series

Submittal Data 02933 NA - Issue Date 04/2010

Application

The FLOWCAL automatic balancing valve maintains a fixed flow rate within varying system differential pressure ranges. The design incorporates an exclusive flow cartridge, made of an anti-scale, low noise polymer and a compact low-lead brass valve body for use in cooling, heating and domestic water systems.

Typical Specification

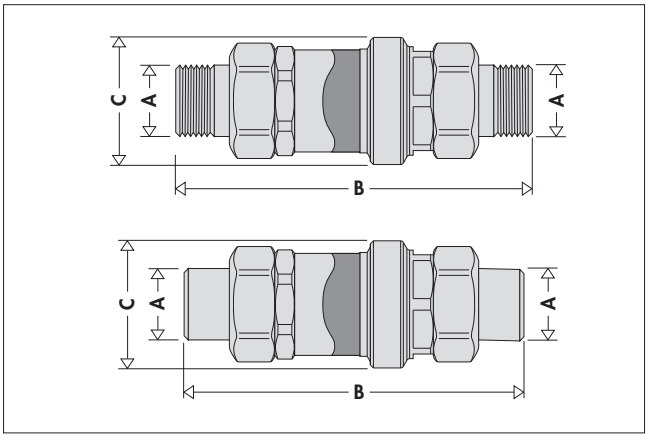
Furnish and install on the plans and described herein, a Caleffi FLOWCAL™ as manufactured by Caleffi. Each balancing valve must be designed with an inline body style with union seat or NPT male threaded end connections. The balancing valve design must include a low-lead brass body and connections, anti-scale polymer flow cartridge, stainless steel spring, and EPDM seals. Each valve must be designed for fixed flow rates ranging from 1/2 - 10 gpm with +/- 10% accuracy, 232 psi (16 bar) maximum working pressure and working temperature range of 32 - 212 def F (0 -100 deg C). The valve and fittings shall be constructed of low-lead brass and Lead Plumbing Law Compliance certified by IAPMO R&T. Each valve shall be Caleffi model series 127 or approved equal.
(See product instructions for specific installation information.)

Technical Data

Materials	
Body:	low-lead brass (<0.25% Lead content)
FLOWCAL flow cartridge:	anti -scale polymer
Spring:	stainless steel
Seals:	EPDM
Performance	
Medium:	water, glycol solutions
Max. percentage of glycol:	50%
Max. working pressure:	232 psi (16 bar)
Working temperature range:	32-212°F (0-100°C)
Connections:	1/2", 3/4"and 1" NPT or Sweat
Flow Rate:	16 fixed flow rate settings ranging from 0.5 - 10 GPM
Flow Accuracy:	±10%
Differential Pressure Control Ranges:	2-14, 2-32, 4-34, 5-35 psid
Lead Plumbing Law Compliance:	(0.25% Max. weighted average lead content)

- Lead Plumbing Law Certified by IAPMO R&T

Dimensions



Code	A	B	C	Weight (lb)	(kg)
127341AF…	1/2" NPT	5 13/16"	1 9/16"	1.0	0.5
127349AF…	1/2" Sweat	4 1/4"	1 9/16"	0.8	0.4
127351AF…	3/4" NPT	5"	1 9/16"	1.0	0.5
127359AF…	3/4" Sweat	4 13/16"	1 9/16"	0.8	0.4
127361AF…	1" NPT	5 5/8"	1 9/16"	1.2	0.5
127369AF…	1" Sweat	6"	1 9/16"	1.0	0.5

GPM	Last 3 digit ...	Differential Control Pressure Ranges (psid)
1/2	G50	2 - 14
3/4	G75	
1	1G0	2 - 32
1.5	1G5	
2	2G0	
2.5	2G5	
3	3G0	
3.5	3G5	
4	4G0	
4.5	4G5	
5	5G0	
6	6G0	4 - 34
7	7G0	
8	8G0	
9	9G0	5 - 35
10	10G	

Select desired flow rate to complete full part number.
No restrictions.

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

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

Caleffi North America, Inc. 3883 West Milwaukee Road / Milwaukee, WI 53208
Tel: 414.238.2360 / Fax: 414.238.2366 / www.caleffi.us