



FlowCal™

COMPACT AUTOMATIC BALANCING VALVE

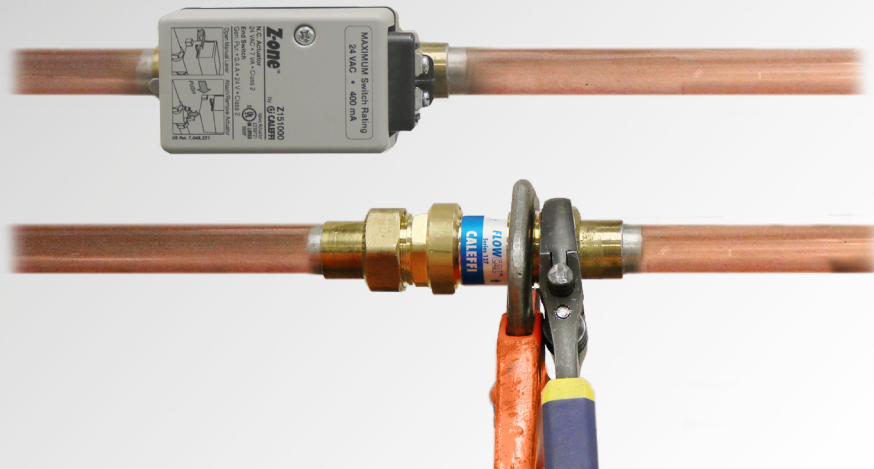
CALEFFI

Hydronic Solutions



Heating & Cooling

Components for today's modern hydronic systems



PRODUCT FEATURES

■ High-performance hydronic system balancing:

Automatically maintains design circuit flow rate, despite differential pressure changes across the circuits, using a cartridge with spring-loaded piston and characterized orifices.

■ Quiet operation:

Replaceable patented low noise polymer flow cartridge provides specified flow rate (gpm), with no field balancing or adjustments. A special internal chamber dampens vibrations triggered by fluid flow, allowing low noise operation.

■ Union connections:

Compact design featuring union end connections and choice of NPT, Sweat, Press and PEX fittings for ease of installation and maintenance.

■ Anti-scale cartridge:

Specially engineered to prevent mineral buildup. High resistance to abrasion caused by continuous fluid flow, insensitive to scale deposits and fully compatible with glycols and additives used in hydronic circuits.

■ Selectable flow rates:

Factory assembled and tested with flow cartridge, choices of 0.35 to 10 gpm and pipe sizes 1/2", 3/4" or 1".

■ Application flexibility:

For use in all hydronic systems- both on zone branches and directly at terminals. Also suitable for hot water recirculation balancing applications.

Fast, easy and efficient balancing

Balancing hydronic circuits is important to providing optimal system performance and efficiency to meet desired comfort levels. FlowCal automatically maintains the design flow rate to each terminal unit despite changing differential pressure changes across the circuits. With an exclusive scale resistant, low noise cartridge and compact body, FlowCal is ideal for controlling flow to fan coils, base boards, radiators, or plumbing fixtures in hot water recirculation. Balancing is fast, easy and efficient.

PRODUCT RANGE - Compact automatic balancing valve, 127 series



UNION CONNECTION STYLE	CODE		
	SIZE		
	1/2 inch	3/4 inch	1 inch
SWEAT	127349AF ***	127359AF ***	127369AF ***
NPT male	127341AF ***	127351AF ***	127361AF ***
PRESS	127346AF ***	127356AF ***	127366AF ***
PEX Expansion (ASTM F 1960)	127342AF ***	127352AF ***	127362AF ***
PEX crimp (ASTM F 1807)	127344AF ***	127354AF ***	127364AF ***

GPM	Last 3 digits	Δp control range (psid)
0.35	G35	2-14
0.5	G50	
0.75	G75	
1	1G0	2-32
1.5	1G5	
2	2G0	
2.5	2G5	
3	3G0	
3.5	3G5	
4	4G0	4-34
4.5	4G5	
5	5G0	
6	6G0	5-35
7	7G0	
8	8G0	
9	9G0	
10	10G	



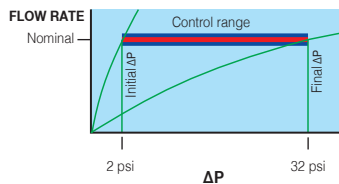
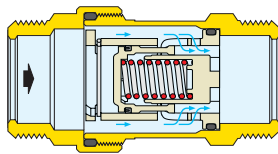
***Select desired flow rate in table to right to complete part number. No restrictions.

PERFORMANCE

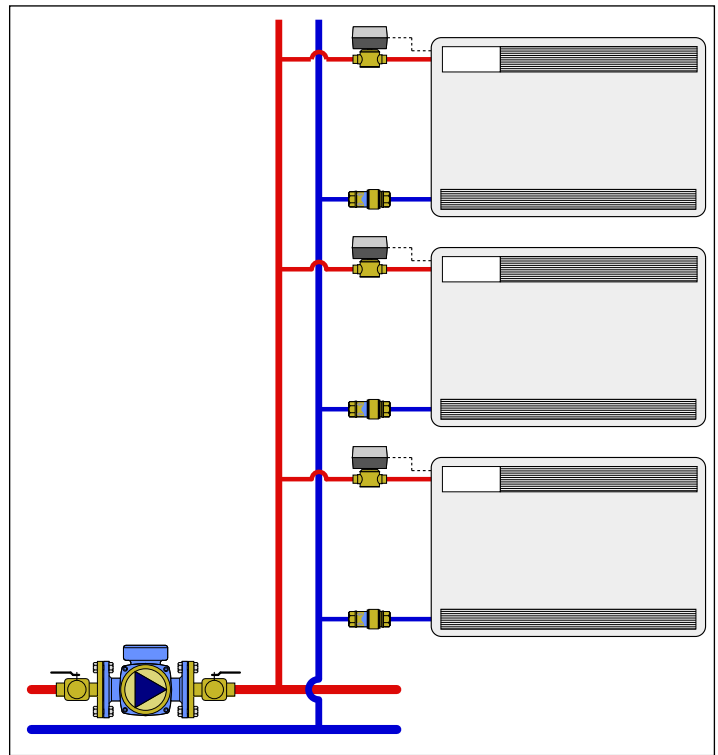
BODY	DZR Low lead brass
MAX. WORKING PRESSURE	230 psi (16 bar)
WORKING TEMPERATURE	32 — 212 °F (0 — 100°C)
FLOW CARTRIDGE INSTALLED	0.35 TO 10 GPM
ΔP CONTROL RANGE	2 - 35 psid

OPERATION WITHIN THE ΔP CONTROL RANGE

If the differential pressure is within the control range, the spring-loaded piston is positioned to give the fluid a free flow area permitting constant flow at the nominal rate for which the FlowCal is set up.



EXAMPLE APPLICATION DIAGRAM



Caleffi Partner:



CALEFFI
Hydronic Solutions

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