



FlowCal+™

COMPACT AUTOMATIC RECIRCULATION BALANCING VALVES

CALEFFI
Hydronic Solutions



Plumbing

Protecting the system to protect your water



ICC
ES
PMG
LOW LEAD

PRODUCT FEATURES

■ Automatic hot water circuit balancing:

Installed on each return branch of the recirculation circuit, the dynamic modulating valves automatically balance the recirculation circuits to ensure constant flow.

■ Quiet operation:

Replaceable patented anti-scale, low noise polymer flow cartridge provides specified flow rate (gpm), with no field balancing or adjustments.

■ Union connections:

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

■ Multi-functional:

Built-in check valve to protect against circuit thermo-siphoning. Built-in filter screen. Optional outlet temperature gauge to verify water temperature.

■ 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:

Designed for balancing domestic hot water recirculation systems, but also suitable for non-potable applications.

High value balancing

Especially suited for hot water recirculation balancing, FlowCal+ maintains pre-determined constant flow in circuits, regardless of differential pressure changes across them. The easily serviced cartridge is made of a scale-resistant, low-noise polymer, and can be replaced if different flow rates are needed. FlowCal+ offers multiple union end connections for easy installation and maintenance. With an integrated check valve, filter screen and optional temperature gauge, FlowCal+ packs a lot of value into one unit.

PRODUCT RANGE - Automatic lead-free balancing valves, 127 series



UNION CONNECTION STYLE	OUTLET TEMP GAUGE	CODE		
		SIZE		
		½ inch	¾ inch	1 inch
SWEAT		127149AFC ***	127159AFC ***	127169AFC ***
	√	127148AFC ***	127158AFC ***	127168AFC ***
NPT male		127141AFC ***	127151AFC ***	127161AFC ***
	√	127140AFC ***	127150AFC ***	127160AFC ***
PRESS		127146AFC ***	127156AFC ***	127166AFC ***
	√	127147AFC ***	127157AFC ***	127167AFC ***
PEX Crimp (ASTM F 1807)		127144AFC ***	127154AFC ***	127164AFC ***
	√	127145AFC ***	127155AFC ***	127165AFC ***
PEX Expansion (ASTM F 1960)	--	127142AFC ***	127152AFC ***	127162AFC ***
	√	127143AFC ***	127153AFC ***	127163AFC ***

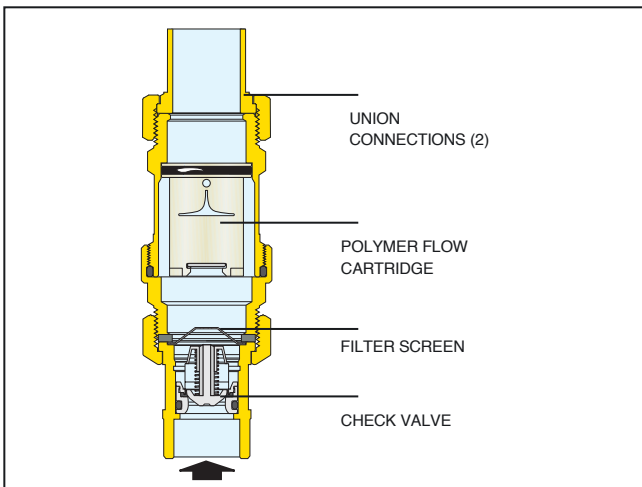
***Select desired flow rate in table to right to complete part number. No restrictions.

GPM	Last 3 digits	Δp control range (psic)
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	
4.5	4G5	4-34
5	5G0	
6	6G0	
7	7G0	
8	8G0	
9	9G0	
10	10G	5-35

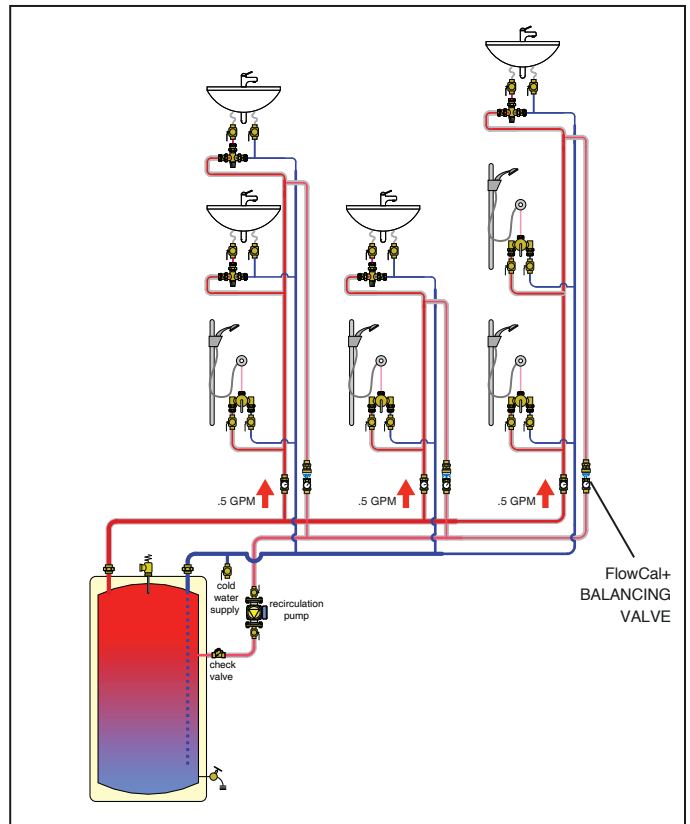
PERFORMANCE

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

CONSTRUCTION



EXAMPLE APPLICATION DIAGRAM



Caleffi Partner:



03606-19 NA

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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