

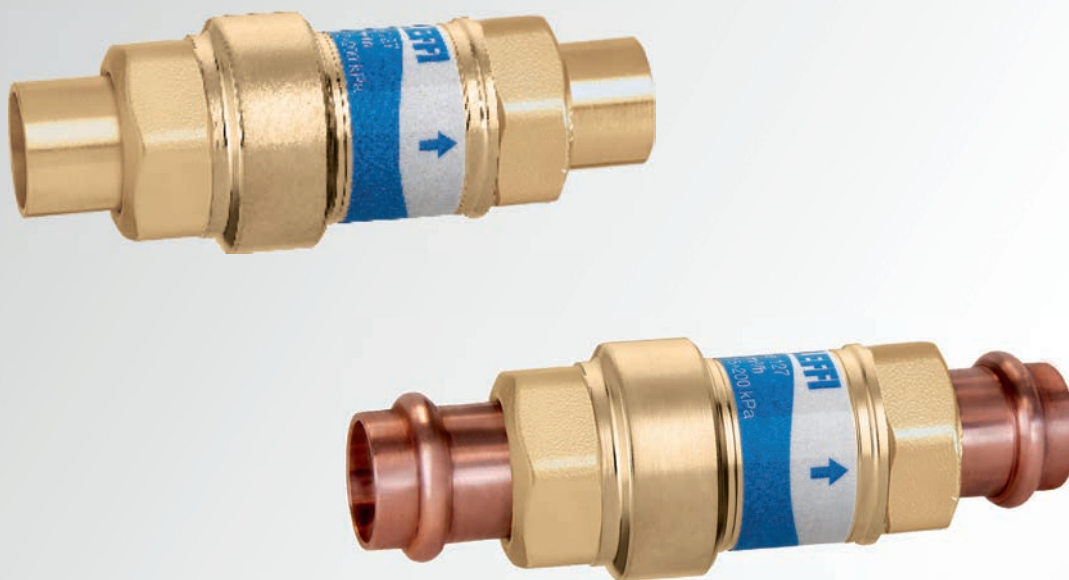
DYNAMIC BALANCING VALVE FLOWCAL™

127 SERIES

 **CALEFFI**
Hydronic Solutions



Components for today's modern hydronic systems



FUNCTIONS AND FEATURES

- Choice of 16 fixed flow cartridges which automatically controls the flow rate to each emitter regardless of differential pressure changes.
- Compact design featuring 1/2", 3/4" and 1" union end connections and choice of NPT, Sweat and Press fittings for ease of installation and maintenance.
- Suitable for hydronic and plumbing applications, constructed of DZR low-lead brass (Certified low lead).
- Eliminates the need for on-site measurements and trial and error flow rate setting as required with manual calibration valves.
- Incorporates an flow cartridge, made of an anti-scale, low noise polymer.
- Ideal for applications including open fan coil systems and hot water recirculation balancing.

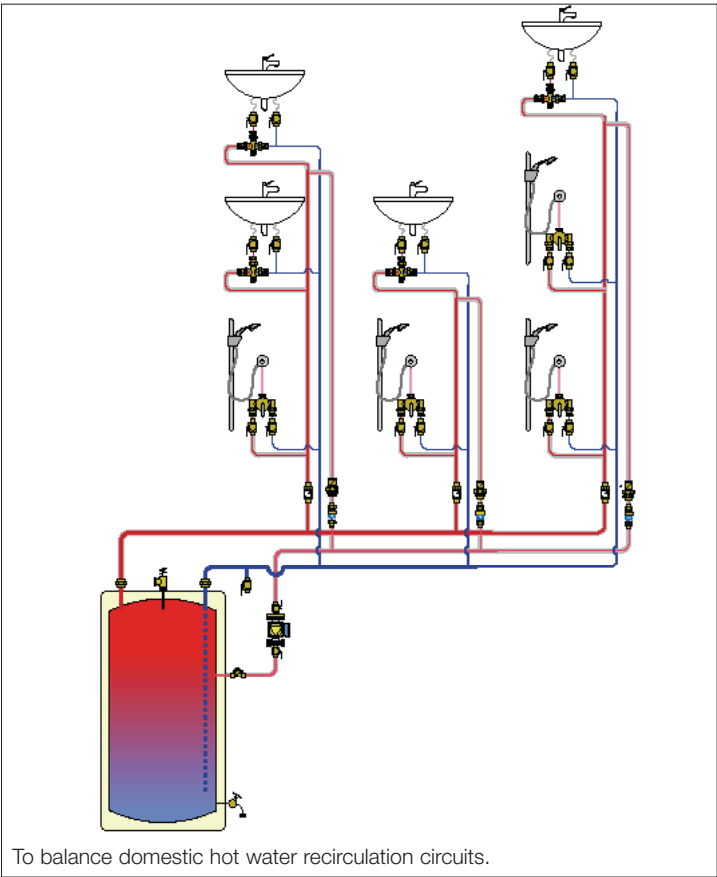
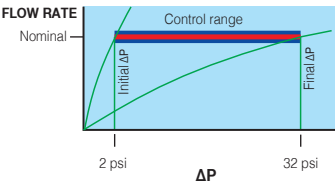
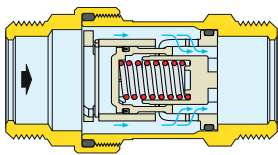
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The FLOWCAL flow cartridge is composed of a cylinder, a spring-loaded piston, and a combination of fixed and variable orifices through which the fluid flows. These variable orifice sizes increase or decrease by the piston movement, contingent on the system's fluid thrust. A calibrated spring counteracts the pressure to regulate the amount of fluid which may pass through the valve orifices, maintaining a balanced system. FLOWCAL valves are high performance automatic flow balancing valves which control selected flow rates within a tight tolerance (approximately 10%) and offer a wide range of operation.



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.



To balance domestic hot water recirculation circuits.

REFERENCE DOCUMENTATION: TECHNICAL BROCHURE 01166

TECHNICAL SPECIFICATIONS

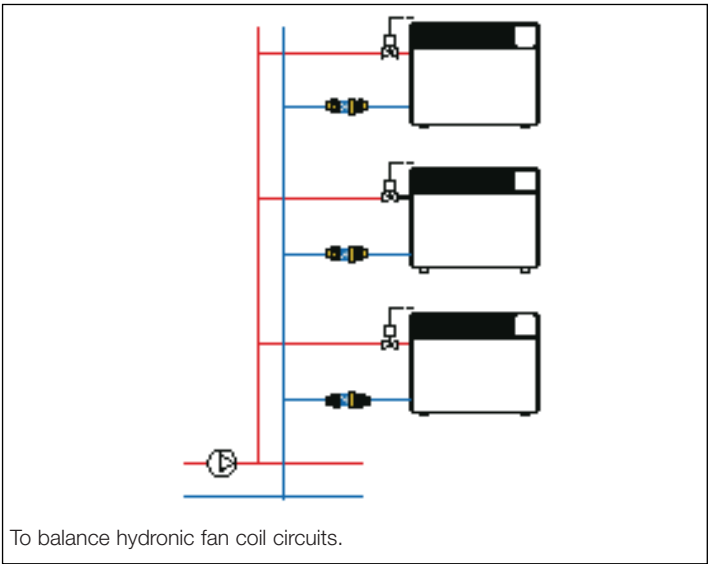
CODE	CONNECTIONS
127341AF...	½" NPT Male
127349AFA...	½" Sweat
127351AF...	¾" NPT Male
127359AF...	¾" Sweat
127356AF...	¾" Press
127361AF...	1" NPT Male
127369AF...	1" Sweat

Max. working pressure: 232 psi.
Working temperature range: 32 to 212°F.
DZR Low-Lead Brass (less than 0.25% lead content certified by IAPMO R&T).

GPM	LAST 3 DIGITS*	ΔP CONTROL RANGE (PSID)	GPM	LAST 3 DIGITS*	ΔP CONTROL RANGE (PSID)
1/2	G50	2 – 14	4	4G0	2 – 32
3/4	G75		4.5	4G5	
1	1G0		5	5G0	
1.5	1G5	2 – 32	6	6G0	4 – 34
2	2G0		7	7G0	
2.5	2G5		8	8G0	
3	3G0		9	9G0	5 – 35
3.5	3G5		10	10G	

*Last three digits of code number.

APPLICATION DIAGRAMS



To balance hydronic fan coil circuits.

