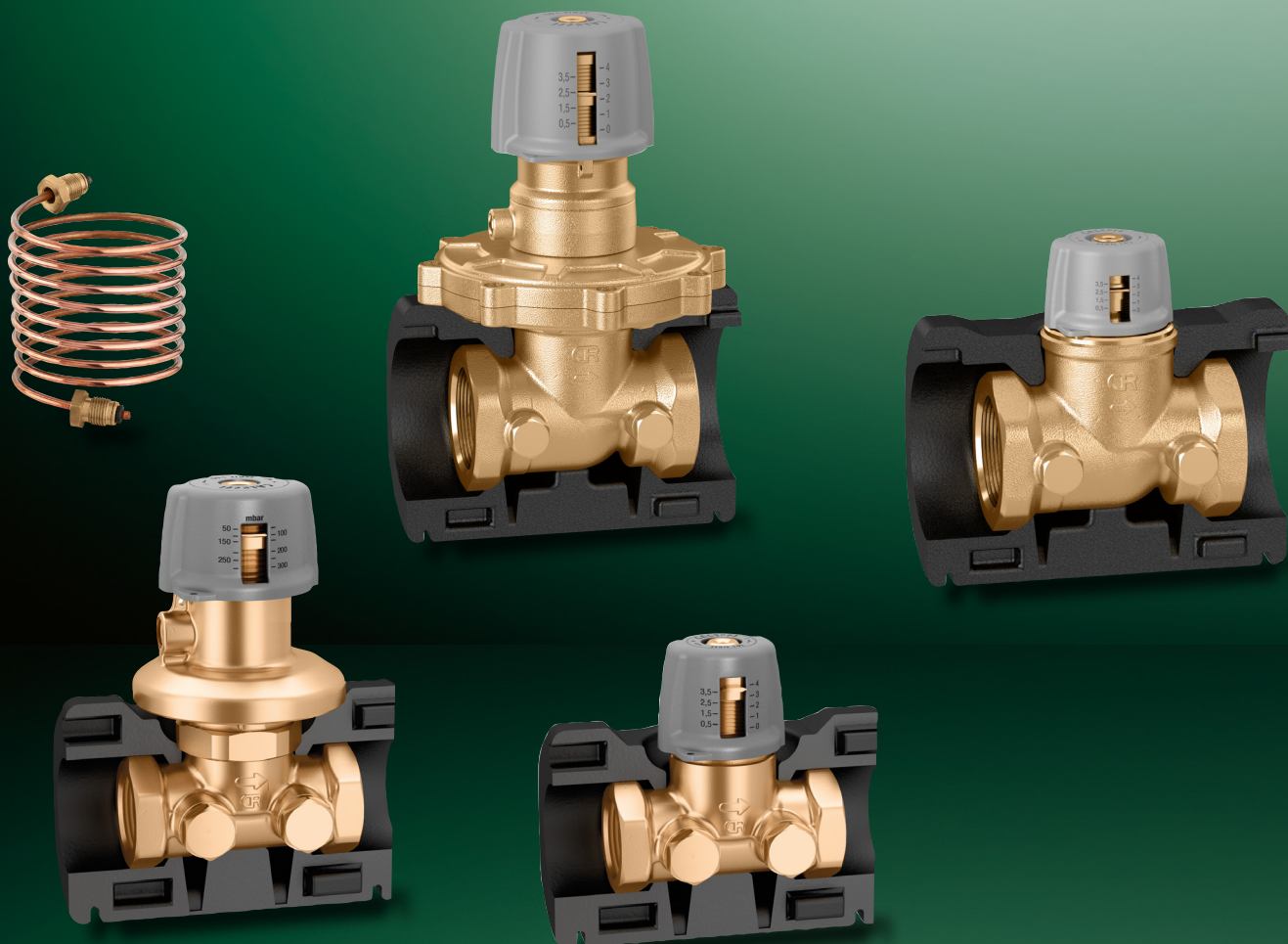


Differential pressure regulating valve and pre-regulation valve

140-142 series

www.caleffi.com

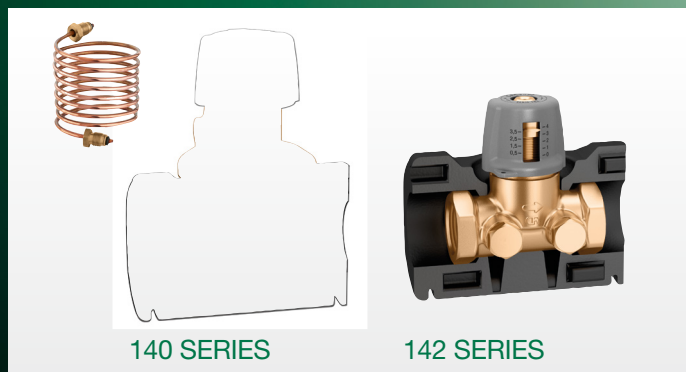


- The 140 series differential pressure regulating valve keeps constant, at the set value, the difference in pressure existing between two points of a hydraulic circuit.
- The 142 series valve is equipped with a variable orifice flow rate measuring system.
- The 140 series differential pressure regulating valve is available with two adjustable setting ranges: 50–300 and 250–600 mbar. The differential pressure value set can be read directly on the control knob.
- The 140 series differential pressure regulating valve and the 142 series pre-regulation valve are equipped with a setting lock function and can be closed while keeping the setting value intact.
- The 142 series pre-regulating valve allows fine balancing of the thermal medium flow rate that supplies the system's terminals.
- The valves are supplied with pre-formed shell insulation to guarantee perfect thermal insulation.



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PRODUCT RANGE



140 SERIES

142 SERIES

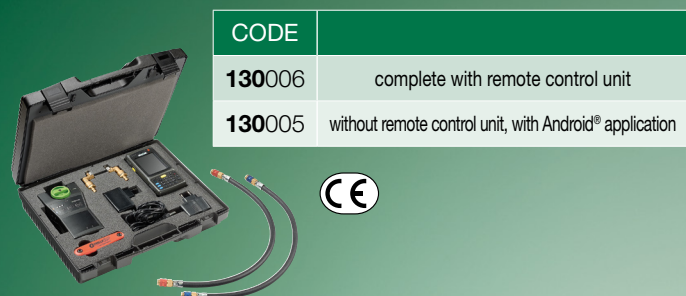
TECHNICAL SPECIFICATIONS

Max. working pressure	16 bar (DN 15, DN 20 and DN 25) 10 bar (DN 32 and DN 40)
Working temperature range	-10÷120 °C
Max percentage of glycol	50 %
Valve body	dezincification resistant alloy CR
Insulation	material: EPP density: 45 kg/m ³

CODE	CONNECTION	SETTING (mbar)	CODE	CONNECTION
140340	1/2"	50-300	142140	1/2"
140440	1/2"	250-600	142150	3/4"
140350	3/4"	50-300	142160	1"
140450	3/4"	250-600	142170	1 1/4"
140360	1"	50-300	142180	1 1/2"
140460	1"	250-600	142240*	1/2"
140370	1 1/4"	50-300	142250*	3/4"
140470	1 1/4"	250-600	142260*	1"
140380	1 1/2"	50-300	142270*	1 1/4"
140480	1 1/2"	250-600	142280*	1 1/2"
140392*	2"	50-300	142290*	2"
140492*	2"	250-600		

* without isolation

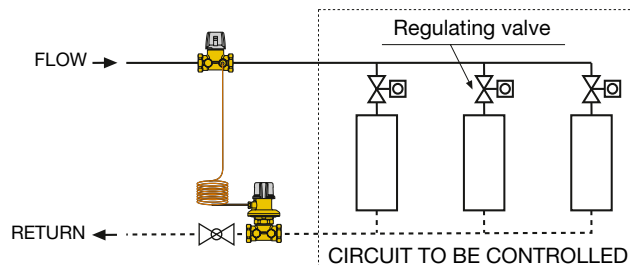
ELECTRONIC MEASURING STATION OF DIFFERENTIAL PRESSURE AND FLOW RATE



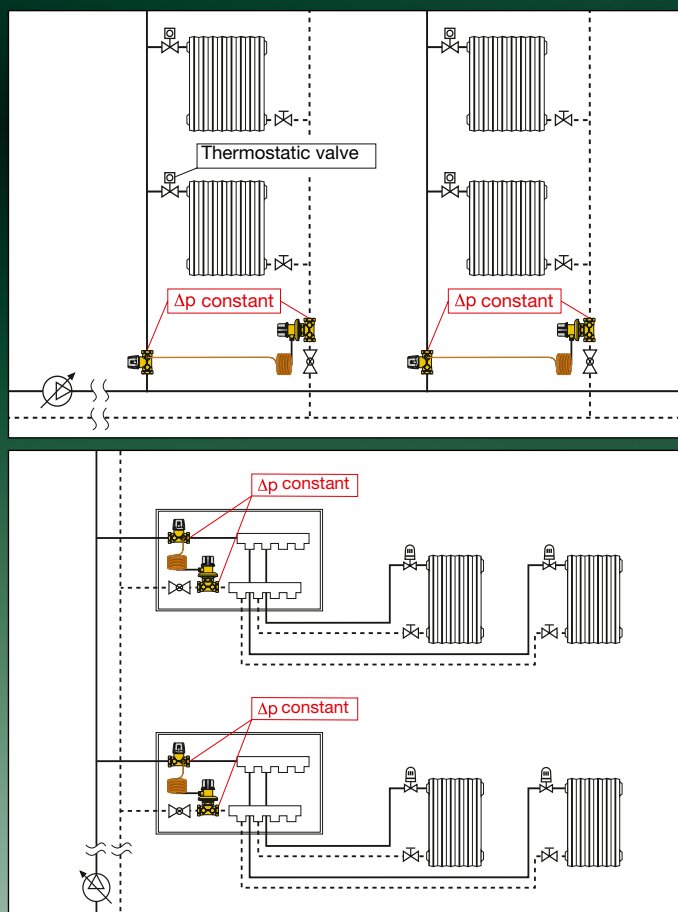
CODE	
130006	complete with remote control unit
130005	without remote control unit, with Android® application

OPERATING PRINCIPLE

The differential pressure regulating valve keeps constant, at the set value, the difference in pressure existing between two points of a hydraulic circuit.
The device is inserted in the circuit return pipe and is connected with a capillary tube to the valve on the flow pipe, which can be used to regulate the overall flow rate.
It is used in variable flow rate systems, with two-way thermostatic or motorized valves, to limit the increase in differential pressure due to their total or partial closure.



APPLICATION DIAGRAMS



REFERENCE DOCUMENTATION

140 series

- Technical brochure 01250

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