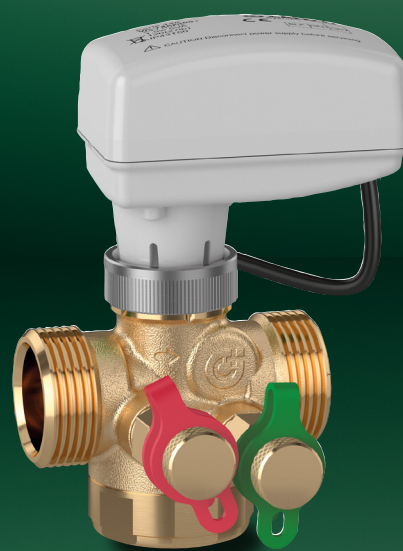
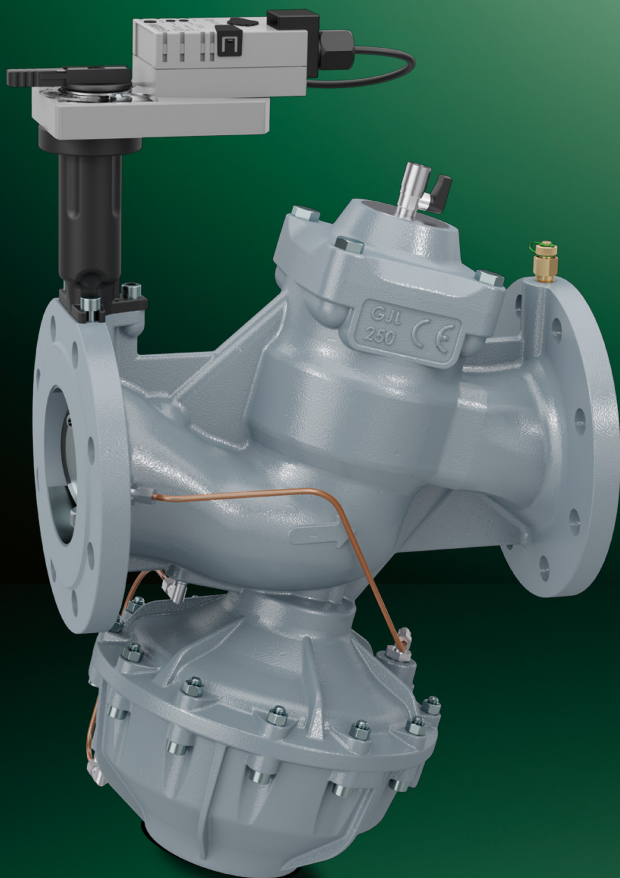




Pressure independent control valve (PICV)

145 - 146 series

www.caleffi.com



Threaded version FLOWMATIC®

- High working pressure PN 25 and wide Δp working range.
- Flow rate pre-adjustment without reducing the stroke.
- The modulating actuators always make use of 100 % of the stroke for the flow rate regulation.
- Available with or without pressure test ports for checking the system operating parameters.

Flanged version

- Wide adjustable flow rate range up to 160 m³/h.
- Rotational proportional actuator.
- The shape of the obturator ensures linear regulation.
- Complete with built-in pressure test ports.



CALEFFI
Hydronic Solutions

TECHNICAL SPECIFICATIONS

THREADED VERSION FLOWMATIC®

- PN 25
- High flow rate accuracy:
± 5 % of the setpoint
- LEAKAGE: class V according to EN 60534-4
- 100 % of the stroke at every pre-setting:
the modulation makes use of the whole obturator stroke

FLANGED VERSION

- PN 16
- High flow rate accuracy:
± 10 % of the setpoint
- Flow rate measurement with integrated pressure test ports
- Proportional rotary actuator

PRODUCT RANGE

FLOWMATIC®

145 series brass body

	Flow rate range (m³/h)	Connection
H20	0,02–0,20	1/2" - 1"
H40	0,08–0,40	3/4" - 1"
H80	0,08–0,80	3/4" - 1"
1H2	0,12–1,20	1"
1H8	0,18–1,80	1 1/4"
3H0	0,30–3,00	1 1/4"
3H7	0,37–3,70	1 1/4"

Available with or without pressure test ports.

Max. working pressure	25 bar
Δp range	25–400 kPa
Working temperature range	-20–120 °C



145 series cast iron body

Flow rate range (m³/h)	DN	Connection
2,9–9,3	40	2" M
5,1–14,8	50	2 1/2" M

Max. working pressure	25 bar
Δp range	30–600 kPa
Working temperature range	-10–120 °C



146 series cast iron body

Flow rate range (m³/h)	DN
6–26	65
8–36	80
16–82,5	100
20–125	125
27–160	150

Max. working pressure	16 bar
Δp range	30–400 kPa
Working temperature range	-10–120 °C



CODE	145013	656524	656502 656504
Type	Proportional actuator	Proportional thermo-electric actuator	Thermo-electric actuator
Control signal	0–10 V	0–10 V	ON-OFF
Electric supply	24 V	24 V	230 V 24 V
Feedback signal	0–10 V	0–10 V	-



145017
Proportional rotary actuator
0–10 V
24 V
2–10 V



146025
Proportional rotary actuator
0–10 V
24 V
2–10 V

REFERENCE DOCUMENTATION

- 145 series - Brochure 01262, instruction sheet H0005544
146 series - Instruction sheet H0000857

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Caleffi S.p.A. S.R. 229 n. 25 · 28010 Fontaneto d'Agogna (NO) · Italy
Tel. +39 0322 8491 · Fax +39 0322 863723
info@caleffi.com · www.caleffi.com · © Copyright 2022 Caleffi

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