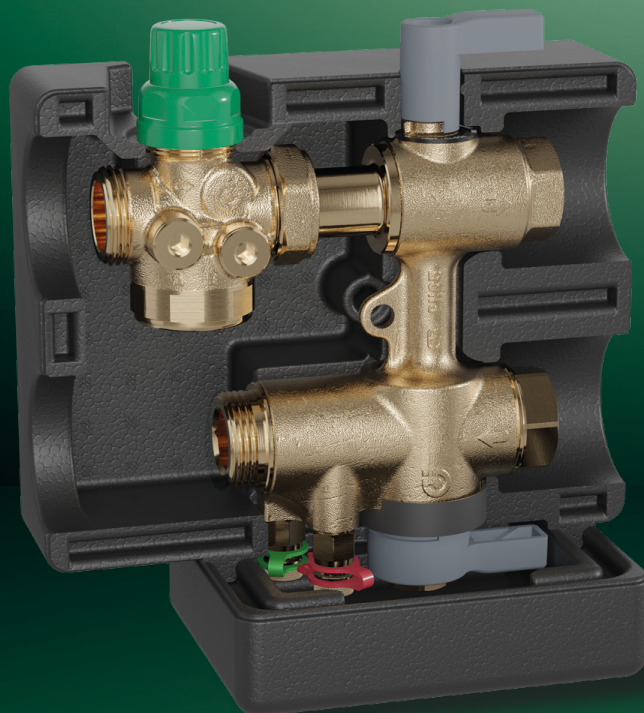


Connection and regulation kit for HVAC terminal units

149 series

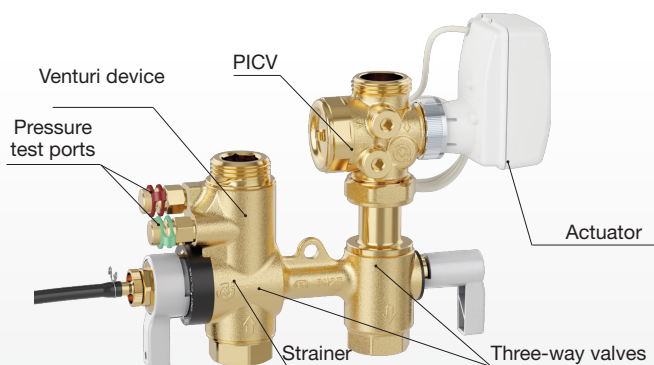
www.caleffi.com



- Balancing, regulation, protection and commissioning of a single component.
- The ready-assembled kit minimises the risk of leaks.
- Designed for universal installation, for heating and cooling systems.
- Condensation-proof insulating shell.
- PN 25.
- Flow rate regulation accuracy $\pm 5\%$.
- Complete with Venturi device for easy and scrupulous commissioning.
- 100 % of the stroke at each pre-setting: the modulation exploits the whole stroke of the obturator.
- Designed for wall mounting.



PRODUCT RANGE AND COMPONENTS

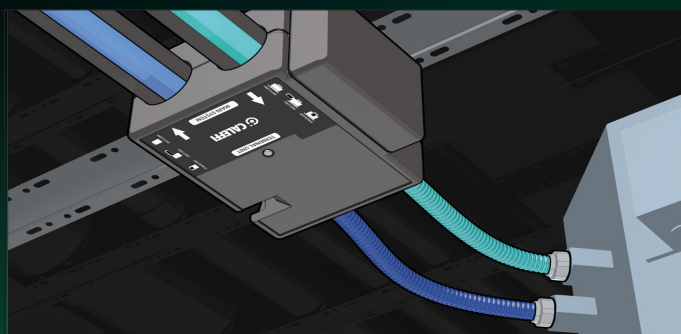


With Venturi device

CODE	FLOW RATE RANGE (m³/h)	PRIMARY CONNECTIONS	Kv Venturi (m³/h)
H10	0.02–0.10	1/2" - 3/4"	0.25
H20	0.08–0.20	1/2" - 3/4"	0.5
H40	0.20–0.40	1/2" - 3/4"	1.1
H80	0.40–0.80	1/2" - 3/4"	2.35
1H2	0.80–1.20	3/4"	5
1H8	1.20–1.80	1"	5
3H0	1.80–3.00	1"	9.6
3H7	1.85–3.70	1"	9.6

Version without Venturi device also available.

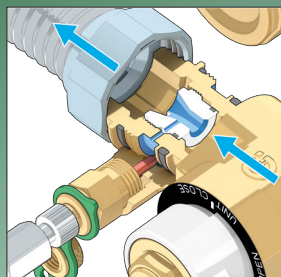
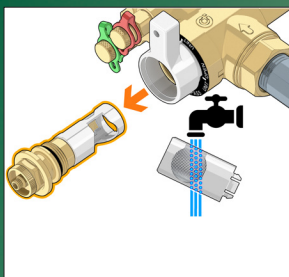
INSTALLATION



MAIN FEATURES

Complete with steel cartridge strainer, mesh 800 µm.

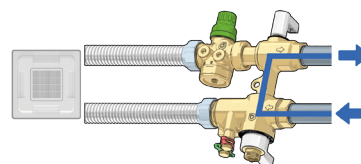
Available with built-in Venturi device and pressure test ports for easy commissioning.



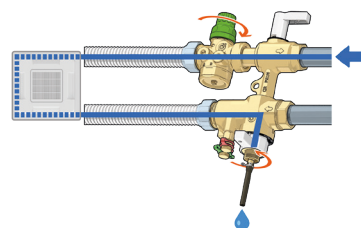
	145013	656524	656502	656504
	—	Normally closed	Normally closed*	
Control signal	0–10 V	0–10 V	ON/OFF	
Feedback	0–10 V	0–10 V	—	
Type	Proportional linear actuator	Proportional thermo-electric actuator	Thermo-electric actuator	
Electric supply	24 V		230 V	24 V

* Also available in normally open version.

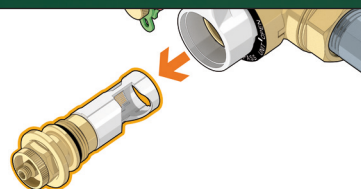
COMMISSIONING



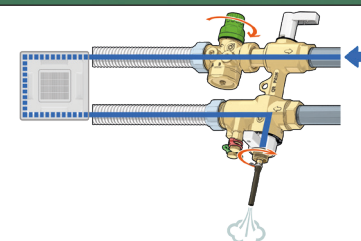
WASHING IN
BY-PASS



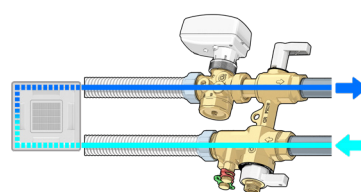
TERMINAL UNIT
WASHING



STRAINER
CLEANING



FILLING



NORMAL
OPERATION

REFERENCE DOCUMENTATION:

149 series

- Brochure 01336

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Hydronic Solutions

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