

CLIMA Diamant

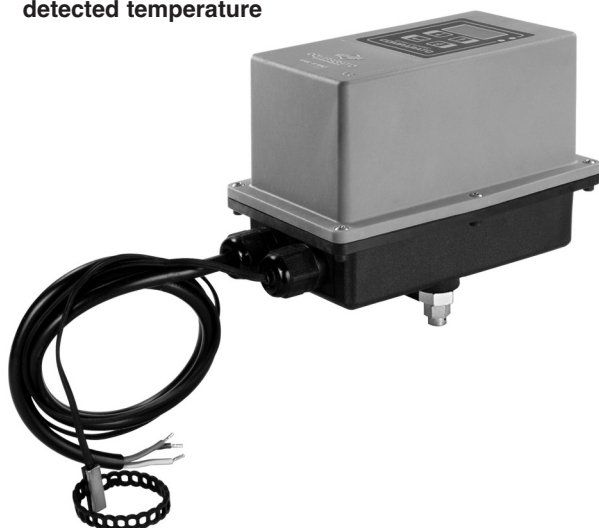
ON/OFF ACTUATORS WITH TEMPERATURE PROBE AND BUILT-IN ELECTRONIC THERMOSTAT

CLIMA COMPACT

USE

Diamant CLIMA and **COMPACT** CLIMA actuators can be used in:

- industrial plants
- heating systems
- all applications which require the to operate a valve according to the detected temperature



OPERATION

Diamant CLIMA and **COMPACT** CLIMA actuators are controlled by a microprocessor which allows to intercept or deviate the fluid according to the temperature detected by the contact-type probe. CLIMA actuators can be paired with all the ball valves described in the **Diamant 2000**, **Diamant PRO** and **COMPACT PRO** technical sheets.

The semiconductor temperature probe, connected to a 80 cm-long cable, detects the temperature of the pipeline. The value at which the servo-motor shall start and the operation it shall perform are set on the integrated digital display with an accuracy of 1°C.

È possibile fare in modo che la valvola si chiuda oppure si apra al raggiungimento di una determinata temperatura, oppure, se applicata ad una valvola a tre vie, che devi il passaggio del fluido da una via all'altra. Le temperature di intervento variano da -15° C a +85° C, con la precisione di +/- 1° C.

TECHNICAL FEATURES	CLIMA Diamant	CLIMA COMPACT
Power supply (110V and 60 Hz upon request)	230V • 24V 50Hz	230V • 24V 50Hz
Maximum power consumption	8,9 VA (230V) 9,4 VA (24V)	10 VA (230V) 10,6 VA (24V)
Operating torque	11 Nm	22 Nm
Operating time for ↗ 90° angle	35 sec	45 sec
Probe and feeder cable length	80 cm	
Rotation	90° clockwise and counter clockw	
Protection degree	IP67	IP67
Operational room temperature, for lower temperature, please contact our technical office	from -10°C to +50°C	from -10°C to +50°C
Temperature sensing field	from -15°C to +85°C	from -15°C to +85°C
Connection with ball valve	COMPARATO connection ISO 5211 connection F03 - F05	ISO 5211 connection F03 - F05
Immersion probe	optional	optional

* more times available upon request



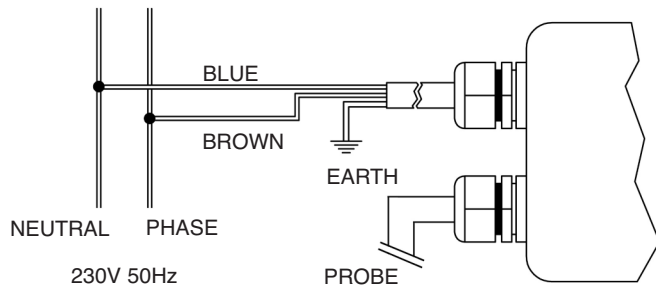
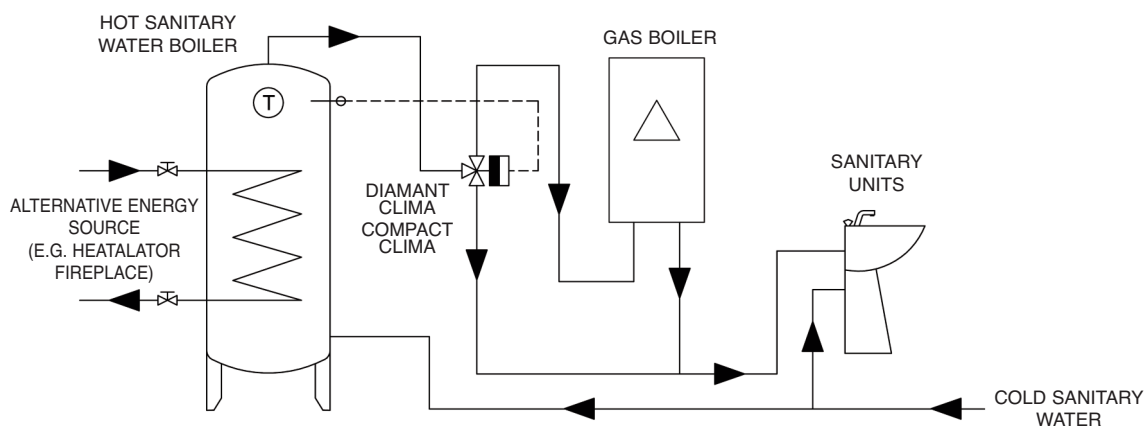
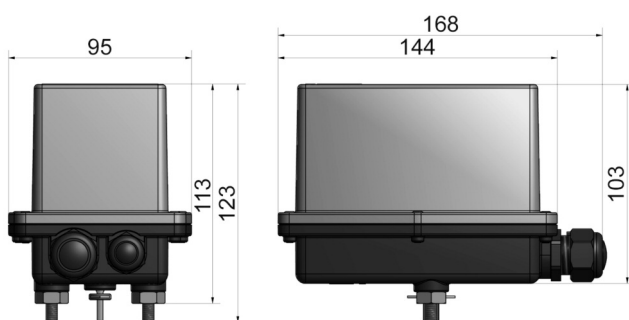
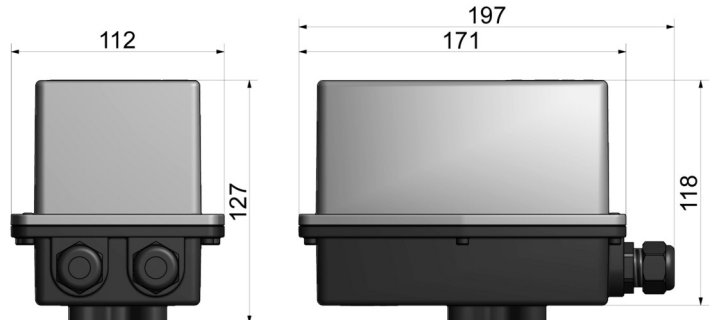
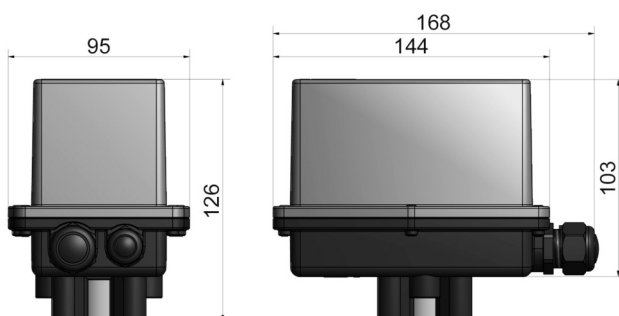
COMPARATO NELLO SRL

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CLIMA COMPACT

CONNECTION DIAGRAM**APPLICATION EXAMPLE****OVERALL SIZE [mm]****DIAMANT CLIMA • COMPARATO CONNECTION****COMPACT CLIMA • ISO 5211 CONNECTION****DIAMANT CLIMA • ISO 5211 CONNECTION****COMPARATO NELLO SRL**

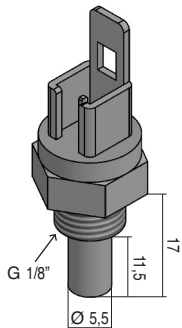
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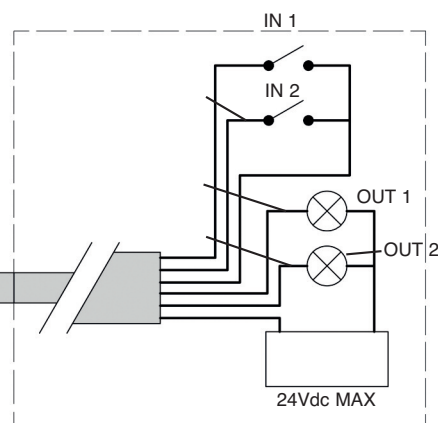
IMMERSION PROBE WITH CONNECTOR



OPTIONAL INLETS/OUTLETS



OPTIONAL CABLE



INLET	FUNCTION	DESCRIPTION
1	Forcing in the OPENING direction	Closing the inlet, the motorized valve moves in the opening position. The display will show the "Man" notice.
2	Forcing in the CLOSING direction	Closing the inlet, the motorized valve moves in the closing position. The display will show the "Man" notice.

OUTLET	FUNCTION	DESCRIPTION
1	OPEN valve signal	The outlet is activated (contact closing) when the valve is open.
2	CLOSED valve signal	The outlet is activated (contact closing) when the valve is closed.

NOTE: The addition of the optional inlet/outlet cable does not guarantee the maintenance of the IP 67 protection degree.
For further information, please contact our Technical Office.



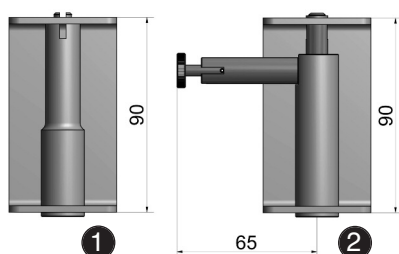
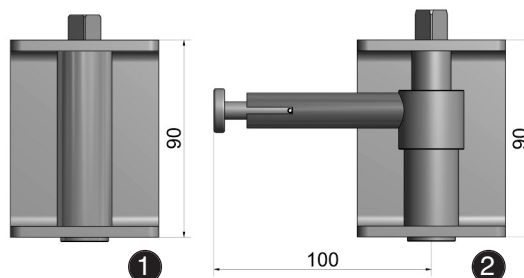
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CLIMA COMPACT

OPTIONAL SPACERS FOR INSULATION AND/OR MANUAL**DIAMANT****COMPACT**

- 1 : spacer for insulation
2 : spacer for insulation and manual opening

ALWAYS UPDATED DATA SHEETS AVAILABLE AT www.comparato.com

HYDROTHERMAL SYSTEMS
COMPARATO NELLO SRL

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