

ESBE T3 PLUS Pump Control Set

Underfloor heating with electronic, high flow control for light commercial applications



BMS Model with ESBE Series ARA Actuator



Self-acting Model with ESBE Series CRC/CRA Controller



Product Information

The ESBE T3 Plus electronic three-port pump set has the following features:

- Compatible with BMS control
- Self-acting temperature control
- Weather compensation
- 'A' rated Stuart Turner pump
- Integrated check valves for easy filling
- Temperature gauge
- Assembled in the UK: pre-tested, packaged and ready for instant installation
- 2 Year warranty
- Fully reversible (Left or Right sided manifold)
- Available in 200mm, 210mm and 225mm manifold connection centers

Specification

Kv: 4 (155 – 238 m²/ 15.5 – 24 kW*)

Kv: 6.3 (165 – 280 m² / 16.5 – 28 kW*)

Application: Light commercial systems

Control: BMS / Self Acting

Control type:

- 3-Point (power open/power closed)
- Modulating (proportional)
- Constant temperature (CRA)
- Weather compensation (CRC)

Max temperature range:

Continuously = 110°C / Temporarily = 130°C

Maximum supply pressure: 10 Bar

Optional extras

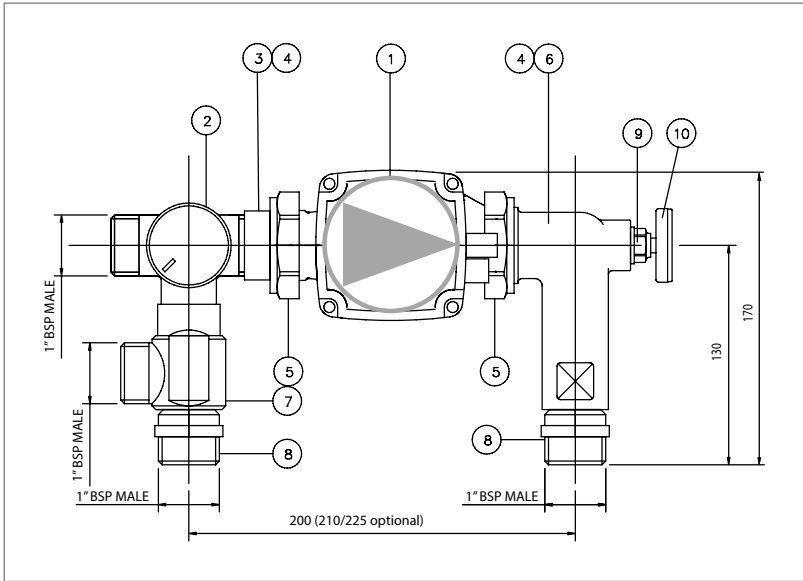
ESBE ARA600 rotary actuator for BMS connection

ESBE CRC/CRA self-acting temperature controller

ESBE T3 PLUS Pump Control Set

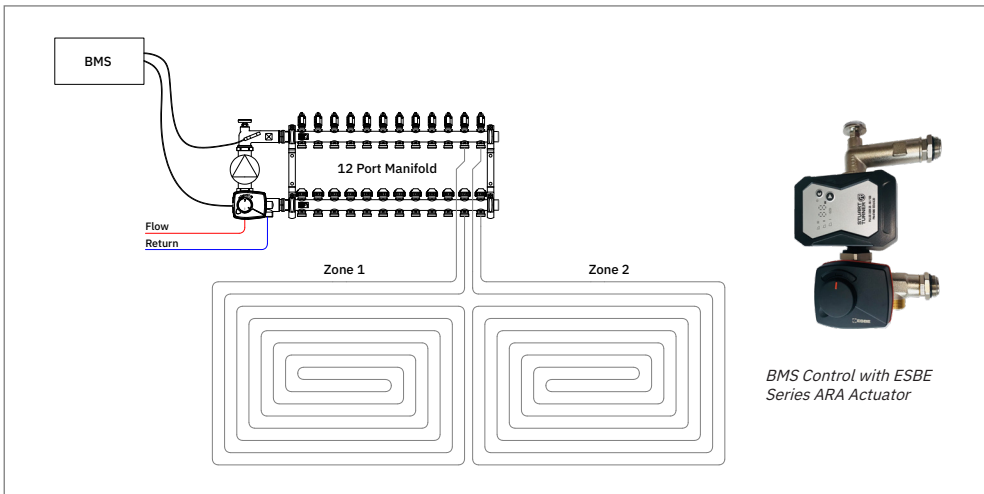


Dimensions

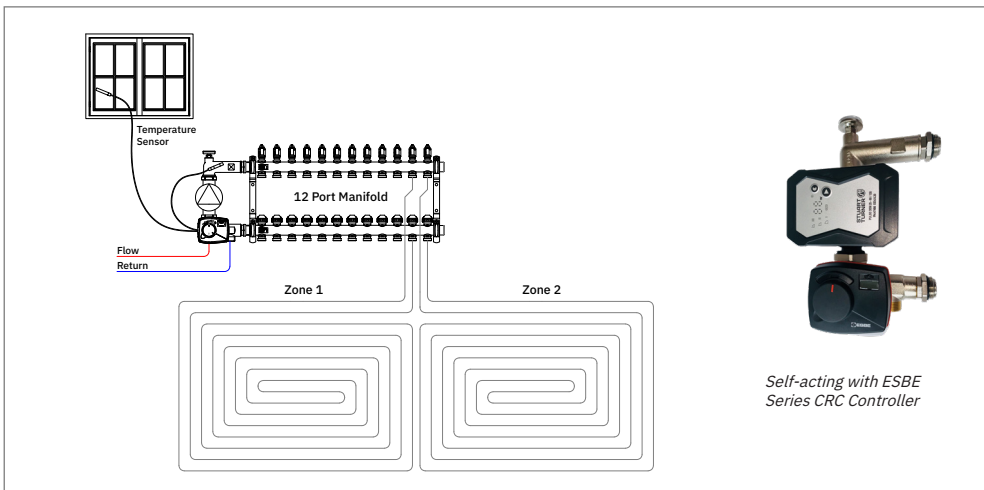


Specification		
1	Stuart Turner 25/6 Pump	1
2	VRG132 Three Way Valve	1
3	5mm Screwed Flange E1000-03B	1
4	2mm Rubber Washer	2
5	1 1/2\"/>	

Typical Application with Building Management System Control



Typical Application with Self-acting Temperature Controller and Weather Compensation



*Sizing based on the following:

- 100 W/m² heat loss
- 12 equal UFH circuits with pipe at 200mm c/c
- Pumps with ΔPc curve (recommended for UFH)
- PE-Xb pipe with 2mm wall and 0.007µm surface roughness
- 50deg flow, 10°C dT, and water properties from CIBSE Guide C
- Typical 12-port manifold with ball valves, integral balancing and shut-off valves