

TREX Thermostatic Control Valve

Steel & Aluminum, PN16, DN15 to DN40 - ½" to 1½"

0-2.10.01-B



TECHNICAL DATA

Materials:	
- Valve body	Steel ST 235
- Valve body	Aluminium AW 6082/T6
- Colour body	RAL 7016
- Colour body, adapter	RAL 9006
- O-rings	Silicone
- Cartridge	PPS/GF40

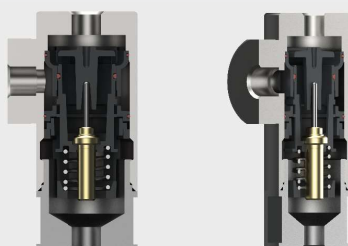
Available with leakholes

Recommended pressure drop across the valve 0.5-7 PSI/ .03-0.5 bar

Nominal pressure 232 PSI/16 bar

Table 2

Control temperatures	
75°F/24°C	140°F/60°C
85°F/29°C	150°F/66°C
95°F/35°C	160°F/71°C
100°F/38°C	170°F/77°C
110°F/43°C	175°F/79°C
120°F/49°C	180°F/82°C
130°F/54°C	190°F/88°C



APPLICATION

TREX thermostatic control valves are designed to regulate fresh water, lubricating oils and other liquids. The valves are designed for marine and industrial applications such as engines (LT/HT), compressors (gas and air), boilers, heat systems, generator sets and can be used to divert or mix liquids.

DESIGN

TREX thermostatic control valves are very compact and robust, designed to fit in applications with high vibration levels and do not require any kind of external power source. The valves are designed to fully close between port A and port C and regulate the set temperature very precisely. If a setup requires continuous flow, the valve can be delivered with a leak hole.

A range of different control temperatures can be supplied. Please consult Clorius Controls if you need other temperatures than those specified in Table 2.

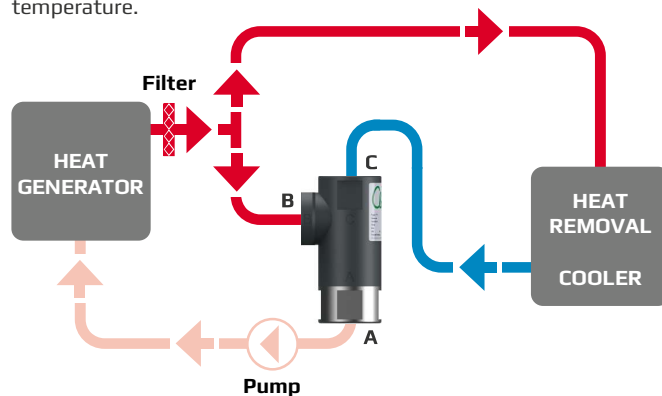
Table 1

Size	Cv/Kv	Body material	Connections
½"/DN15	7.0/6.1	Steel	BSPP ISO 7 Rp thread BSPT ISO 7 Rt/JIS thread NPT ASME B1.20.1 thread SAE J1926-1 ORB thread
¾"/DN20	9.5/8.2	Steel & Aluminium	
1"/DN25	10.4/9.0	Steel & Aluminium	
1¼"/DN32	11.0/9.5	Steel	
1½"/DN40	11.0/9.5	Steel	

TYPICAL SETUP

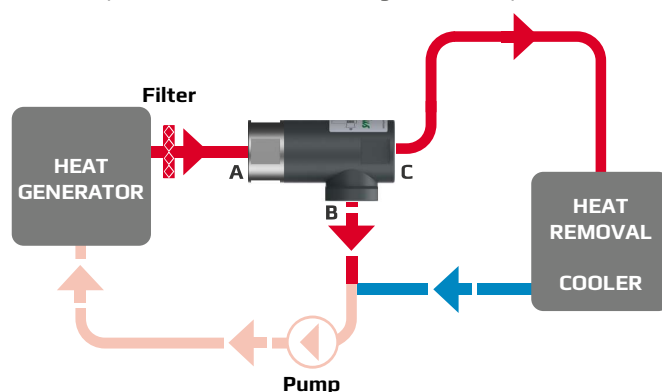
MIXING SETUP

The hot media enters port B and port C is closed. If the temperature rises, port B begins to close and port C begins to open, forcing the water through the cooler, port A allows the mixed media to return to the heat generator at the controlled temperature.



DIVERTING SETUP

The hot media enters in port A and depending on the temperature, it is led to the cooler via port C or returns to the heat generator via port B.





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