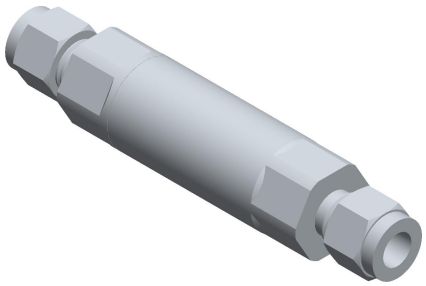
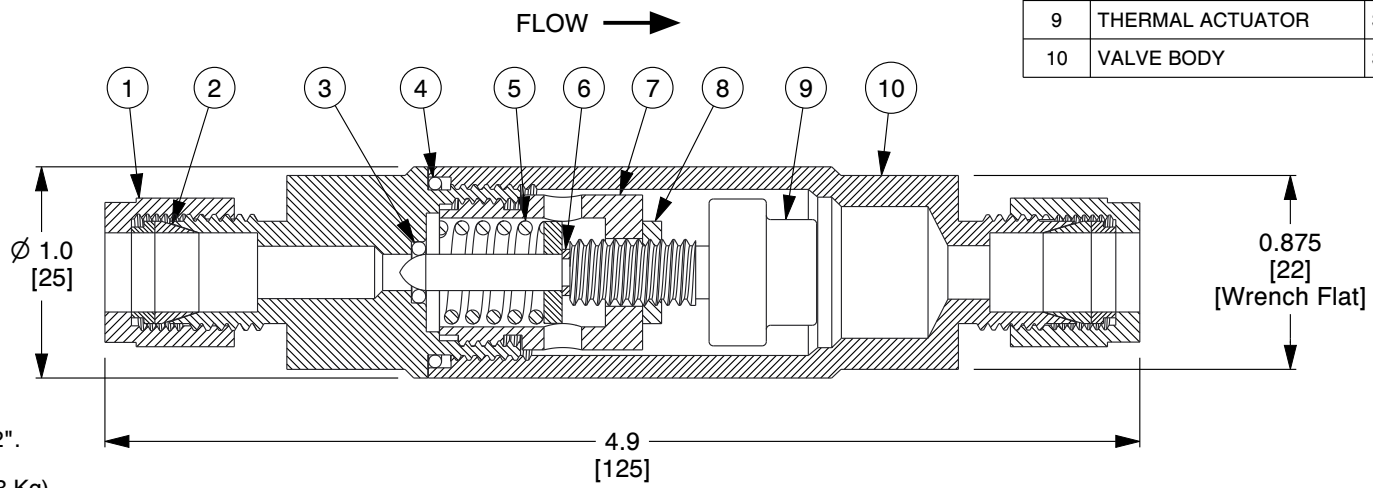


ITEM	DESCRIPTION	MATERIAL
1	TUBING NUT	300 Series SS
2	DOUBLE FERRULE	300 Series SS
3	SEAT SEAL	PTFE
4	SEALING O-RING	EPDM or Viton (Refer Note 9)
5	OPERATING SPRING	300 Series SS
6	E-CLIP	PH15-7 MO
7	RETAINER	300 Series SS
8	LOCK NUT	300 Series SS
9	THERMAL ACTUATOR	300 Series SS
10	VALVE BODY	300 Series SS



NOTES:

1. TUBE O.D SIZE: 1/2".
2. Cv: 0.5.
3. WEIGHT: 0.6 Lb (0.3 Kg).
4. MAXIMUM OPERATING PRESSURE: 300 PSIG (20.7 BAR).
5. MAXIMUM TEMPERATURE: 150ºF (66ºC) OVER SET-POINT LIMIT 300ºF (149ºC).
6. FULL OPEN TEMPERATURES "XXX" AVAILABLE: 040°F, 050°F, 055°F, 060°F, 065°F, 075°F, 085°F, 090°F, 095°F, 100°F, 105°F, 110°F, 120°F, 125°F, 130°F, 140°F, 150°F, 155°F, 160°F, 170°F, 180°F, 190°F AND 200°F.
   A. CLOSING TEMPERATURE IS TYPICALLY 10°F ABOVE OPENING TEMPERATURE.
7. FITTINGS: PARKER A-LOK STANDARD / SWAGELOK OPTIONAL.
8. REPLACE SINGULAR “X” WITH 0 FOR EPDM BODY SEALS; 1 FOR VITON BODY SEALS. OTHER SEALS AVAILABLE.
9. SEAL MATERIAL COMPATIBILITY:
   A. EPDM - AIR, WATER, STEAM, KETONES, AND SYNTHETIC HYDRAULIC OILS.
   B. VITON - AIR, FUEL, OIL, GAS, PETROLEUM-BASED HYDRAULIC OILS.
10. FLOW DIRECTION IS REVERSED ON VALVES THAT CLOSE OVER 210°F (98.9°C).
11. A #20 MESH STRAINER IS RECOMMENDED.

COMPONENT	IN-LINE TEMPERATURE CONTROL VALVE

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SCALE	NTS

214-100X00-XXX

1/2” TV/HAT-SS

UNIT	INCH [MM]
SHEET	1 of 1