

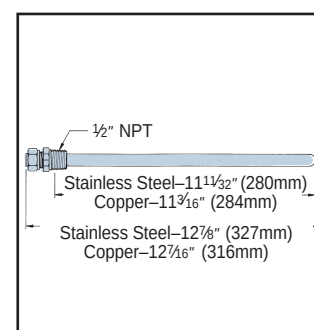
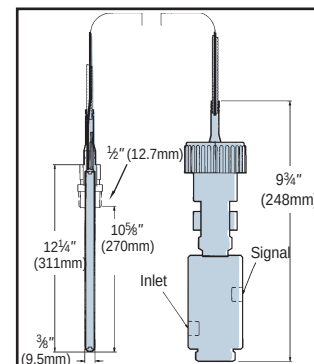
Pressure and/or Temperature Pilot Operated Steam Regulators (continued)

Series STPA Self-Contained Temperature Control Pilots

The Series STPA Self-Contained Temperature pilot valves are designed for applications such as steam to water converters, domestic hot water, manufacturing

process, or others that require accurate temperature control of heated fluids.

- Lightweight, compact size prevents strain on mounting pipes
- Easy temperature adjustment with calibrated dial
- Fast, easy installation
- Non-metallic, lockable temperature adjustment knob
- Tight shut-off provided by hardened stainless steel plug and seat
- Packless construction eliminates seals that wear out and leak
- Removable strainer helps prevent debris from entering pilot
- Bulb overheating protection up to 100°F (55.6°C)
- Durable ½" (15mm) NPT copper bulb with standard 10 ft. (3m) armored capillary (other lengths available)
- Optional Wells:
 - Copper
 - Stainless Steel
- Accuracy of control ± 10°F (± 5.6°C) with system recirculation
- Maximum temperature 450°F (232°C)
- Maximum operating pressure 250 psig (17.3 bar)



Materials of Construction	
Part	Specifications
Body	Steel ASTM A108
Plug	Stainless Steel ASTM A582
Seat	Stainless Steel ASTM A582
Brass Components	CDA 360 ASTM B16
Tubing	Copper ASTM B75
Springs	Stainless Steel ASTM A313
Strainer	Stainless Steel ASTM A240
Gasket	Copper ASTM B152

Ordering Information

Wells

Model	Part Number	Weight (Approx.) lbs. (kg)	
Well, Copper	405529	1	(.5)
Well, SS	405532	3	(1.4)

Note: These wells are only for use with Self-Contained Temperature Pilots.

Ordering Information

Self-Contained Temperature Pilots (Optional wells must be ordered separately)

Model Number	Part Number	Temperature Range °F (°C)	Capillary Length ft. (m)	Maximum Pressure psig (bar)	Weight lbs. (kg)
STPA-200	400866	50–200 (10–93)	10 (3)	250 (17.3)	6 (2.7)
STPA-200	400868	50–200 (10–93)	15 (4.6)	250 (17.3)	6 (2.7)
STPA-200	400869	50–200 (10–93)	20 (6.1)	250 (17.3)	6 (2.7)
STPA-200	400874	50–200 (10–93)	25 (7.6)	250 (17.3)	6 (2.7)
STPA-200	400875	50–200 (10–93)	30 (9.1)	250 (17.3)	6 (2.7)
STPA-300	400880	150–300 (66–149)	10 (3)	250 (17.3)	6 (2.7)
STPA-300	400881	150–300 (66–149)	15 (4.6)	250 (17.3)	6 (2.7)
STPA-300	400884	150–300 (66–149)	20 (6.1)	250 (17.3)	6 (2.7)
STPA-300	400889	150–300 (66–149)	25 (7.6)	250 (17.3)	6 (2.7)
STPA-300	400890	150–300 (66–149)	30 (9.1)	250 (17.3)	6 (2.7)
STPA-400	400892	250–400 (121–204)	10 (3)	250 (17.3)	6 (2.7)

Ordering Information

Actuator Assemblies (includes actuator, knob and set screw)

Model Number	Part Number	Temperature Range °F	Temperature Range (°C)	Capillary Length ft. (m)	Weight lbs. (kg)
STPA-200	400844	50–200	(10–93)	10 (3)	3 (1.4)
STPA-200	400845	50–200	(10–93)	15 (4.6)	3 (1.4)
STPA-200	400847	50–200	(10–93)	20 (6.1)	3 (1.4)
STPA-200	400848	50–200	(10–93)	25 (7.6)	3 (1.4)
STPA-200	400850	50–200	(10–93)	30 (9.1)	3 (1.4)
STPA-300	400851	150–300	(66–149)	10 (3)	3 (1.4)
STPA-300	400853	150–300	(66–149)	15 (4.6)	3 (1.4)
STPA-300	400854	150–300	(66–149)	20 (6.1)	3 (1.4)
STPA-300	400856	150–300	(66–149)	25 (7.6)	3 (1.4)
STPA-300	400857	150–300	(66–149)	30 (9.1)	3 (1.4)
STPA-400	400859	250–400	(121–204)	10 (3)	3 (1.4)