

SafeOne by

PROCESS TECHNOLOGY

THE INTERNATIONAL STANDARD IN PROCESS HEATING



SPT, SFT, SST and STT SERIES, 2" TUBULAR SCREWPLUG HEATERS							
WATTS	OVERALL LENGTH	PIPE THREAD	STEEL MODEL NUMBER	304 SS MODEL NUMBER	316 SS MODEL NUMBER	TITANIUM MODEL NUMBER	SHIP WT.
	IN. / (mm)	IN.					LBS. / (kg)
1000	10 (255)	2	SPT1*10	SFT1*10	SST1*10	STT1*10	11 (5)
2000	14 (355)	2	SPT2*14	SFT2*14	SST2*14	STT2*14	14 (6.5)
3000	20 (510)	2	SPT3*20	SFT3*20	SST3*20	STT3*20	16 (7.5)
4000	26 (660)	2	SPT4*26	SFT4*26	SST4*26	STT4*26	22 (10)
6000	38 (965)	2	SPT6*38	SFT6*38	SST6*38	STT6*38	28 (13)
8000	50 (1270)	2	SPT8*50	SFT8*50	SST8*50	STT8*50	33 (15)
9000	56 (1425)	2	SPT9*56	SFT9*56	SST9*56	STT9*56	35 (16)
12000	74 (1880)	2	SPT12*74	SFT12*74	SST12*74	STT12*74	42 (19)

* Insert voltage (see chart on reverse).

Product Features and Benefits:

LONG LIFE ELEMENT:

- ◇ Patented PTC heater element lasts longer than conventional heaters.
- ◇ Will not burn out if run in air.
- ◇ Will not burn out due to scale or sludge buildup.

SAFE DESIGN:

- ◇ Heater self limits its maximum operating temperature to 432° F (222° C). This is lower than the ignition point of most plastics.
- ◇ Will not melt tanks when a ½" (12mm) minimum distance is maintained.
- ◇ Overtemperature protection devices are not required.
- ◇ Safety is built-in, not added on.
- ◇ Metal-grounded construction (earth ground).
- ◇ Non-floating construction.

SIZES: 1,000 watts (1kW) to 12,000 watts (12kW).

VOLTAGES:

- ◇ Heater is not voltage specific. 100 volts to 480 volts produces the same heat output.
- ◇ Specific voltage is required for UL labeling and to determine ampere draw of heater.
- ◇ Heater is field selectable: single or three phase power.

CORROSION RESISTANT JUNCTION BOX:

- ◇ Sealed Corzan® CPVC terminal enclosure.

- ◇ Vapor tight and flame retardant, IP65 rating.
- ◇ 80" (2m) flexible, liquid tight electrical cable (cord).

OUTSTANDING PERFORMANCE:

- ◇ Watt densities of 26 watts per square inch (4 watts/cm²) ensure long service life.
- ◇ Auto-stabilizing solid state element prevents hot spots and ensures uniform heating.
- ◇ Maximum solution temperature 300° F (149° C).
- ◇ Heater derates itself in highly viscous and high temperature (over 212° F/100° C) solutions. Consult factory for sizing assistance.

CHEMICALLY RESISTANT: For use in most aqueous alkaline, electroplating and rinse solutions. Check our Solution Guide or with your chemical supplier for recommended sheath material. Available in:

- ◇ Steel
- ◇ 304 stainless steel
- ◇ 316 stainless steel
- ◇ Titanium

CERTIFICATIONS: UL (except steel sheath), CSA and CE.

OPTIONS (consult factory):

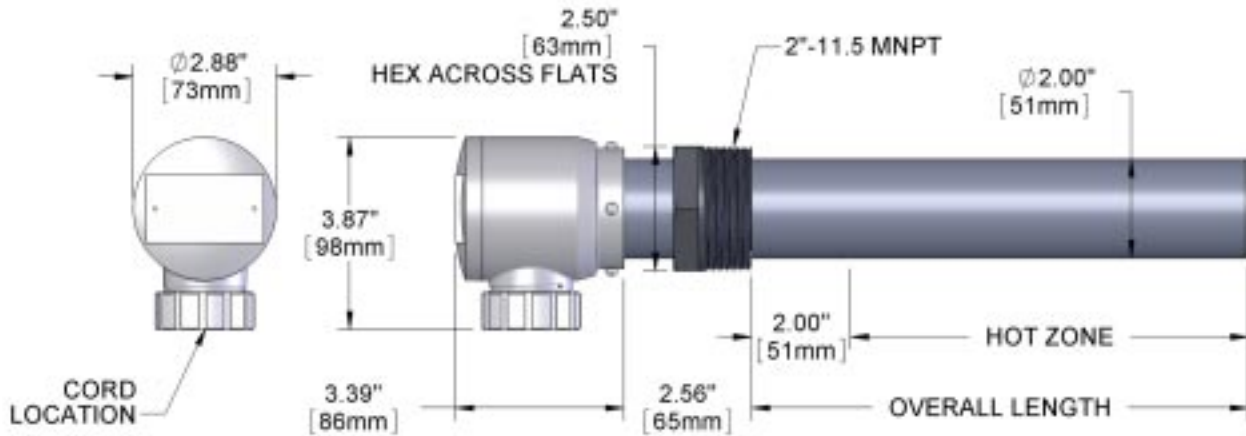
- ◇ Longer electrical cable (cord) lengths.
- ◇ Temperature controls and level controls sized to match the heater.

7010 Lindsay Dr. • Mentor, OH 44060 U.S.A. • P.O. Box 660 • Mentor, OH 44061 U.S.A.

US/CN: 800-621-1998 • 440-974-1300 • Fax: 440-974-9561

www.process-technology.com • E-mail: info@process-technology.com

DIMENSIONS



2" TUBULAR SCREW PLUG HEATER ORDERING INFORMATION

Series	Wattage	Voltage	Overall Length	Cable Length
SPT = Steel SFT = 304 Stainless Steel SST = 316 Stainless Steel STT = Titanium	1 = 1000 2 = 2000 3 = 3000 4 = 4000 6 = 6000 8 = 8000 9 = 9000 12 = 12000	1 = 120 2 = 240 3 = 380 4 = 480 5 = 415 7 = 400 8 = 208 9 = 220 0 = 200	10 = 1kW 14 = 2kW 20 = 3kW 26 = 4kW 38 = 6kW 50 = 8kW 56 = 9kW 74 = 12kW (custom lengths available)	no designator = 80" (2m) length standard specify variations from standard Ex: -X240 = 240" (6m)

U.S. and International Patents

Corzan® is a registered trademark of Noveon, Inc.

ORDERING EXAMPLE:

SFT4426
 2" titanium screw plug, 4000 watts, 480 volt, 26" overall length

**PROCESS
 TECHNOLOGY**

7010 Lindsay Dr. • Mentor, OH 44060 U.S.A. • P.O. Box 660 • Mentor, OH 44061 U.S.A.
US/CN: 800-621-1998 • 440-974-1300 • Fax: 440-974-9561
 www.process-technology.com • E-mail: info@process-technology.com