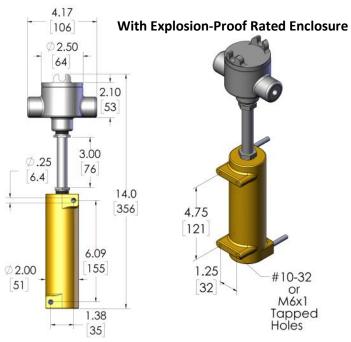
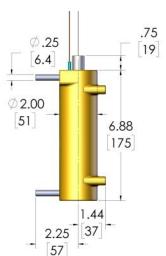
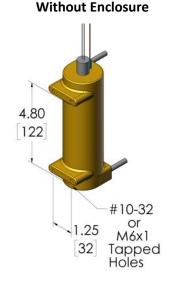
CAST-X High Temp 500 Circulation Heater









SPECIFICATIONS:

Power:

• Up to 1500 W

• Voltage Range: 120 - 480 V

Tubing:

• .250" OD (1/4") (6.3 mm) .035" Wall (.88 mm)

• Overall Process Tube Length: 84" (213 cm)

• Inconel 600 material

• Max Pressure: See below chart

Flow-Tube Max Operating Pressures Pressure ratings vary depending on operating temp.			
°F °C psi bar		bar	
200-800	93-427	5506	379
900	482	4405	304
1000	538	2918	201
1100	593	826	57
Note: Data taken from Circor/Hoke Flareless Tube Fittings Tubing Data Charts.			

Heater Body Material:

Cast Bronze

Enclosures:

 Explosion-Proof Enclosure, certified to: Class 1, Div 1 & 2, Grp. B, C, D; (Explosionproof) Class 2, Div 1, Grp. E, F, G; (Dust-Ignitionproof) Class 2 Div 2, Grp. F, G; (Raintight) Class 3 (Wet Locations) NEMA 3, 4, 7CD, 9EFG

• No Enclosure Option Also Available *Certifications are for enclosure only.*

Max Heater Operating Temperatures:

• With Explosion-Proof Rated Enclosure: 1112°F (600°C)

• With No Enclosure: 1112°F (600°C)

Temperature Sensors:

- TC is integrated into heating element
- K or J Type Single Thermocouple Available

Available Accessories:

- Insulating Jacket
- Compression Fittings

CAST-X High Temp 500 With Optional Insulating Jacket



CAST-X High Temp 500 Circulation Heater

Features and Benefits

CAST-X HT 500 is available with a certified explosion-proof terminal enclosure, positioned in a "standoff" position. HT 500 is also available without an enclosure.

600°C / 1112°F Max Operating Temp: CAST-X High Temp 500 is one of very few circulation heaters capable of achieving such temperatures.

For optimal temperature control and over-temp protection, CAST-X HT 500 is available with a built-in thermocouple.

CAST-X HT heater bodies are made from cast bronze, to maintain thermal and structural integrity over a long lifespan.

High Pressure Compatible Flow-Tubes: Our Inconel 600 seamless flow-tubes are compatible with many high pressure gas processing applications, including natural gas and cryogas vaporization.



phone: 704-399-4248

CAST-X High Temp 500 Circulation Heater

HT6E2A AAAA-BB-C

BASE CIRCULATION HEATER
HEATER POWER
ENCLOSURES & SENSORS
METRIC MOUNTINGS

Electropolished Flow-Tubes = Add "EP" to end of Part Number Passivated Flow-Tubes = Add "P" to end of Part Number For both, add "EP-P"

Building a CAST-X 500 Part Number Assigning numbers for sections AAAA and BB. For metric mountings, assign "M" to section C.

If metric mounts are not needed, leave sec. C blank. For assistance or special orders, contact CAS directly.

	VOLTA	AGE, POWER, CIRCUI	T TYPE	
	Volts refers to line	volts (VL). Amps refers	s to line current (IL).	
Section "AAAA"	Circuit Type (all are single circuit)	Volts (V)	Watts (W)	Amps (A)
		240	1200	5.0
300A	SINGLE PHASE	230	1100	4.8
300A	SINGLE FILASE	208	900	4.3
		120	300	2.5
300B	SINGLE PHASE	120	1500	12.5
		240	300	1.3
300C	SINGLE PHASE	230	275	1.2
3000	SINGLE PHASE	208	225	1.1
		120	75	0.6
		240	500	2.1
0005	OINOLE BLIAGE	230	460	2.0
300D	SINGLE PHASE -	208	375	1.8
		120	125	1.0
		240	750	3.1
		230	690	3.0
300E	SINGLE PHASE -	208	560	2.7
		120	185	1.6
		240	1000	4.2
	_	230	920	4.0
300F	00F SINGLE PHASE	208	750	3.6
	_	120	250	2.1
300G	SINGLE PHASE	240	1200 same as 300A	5.0
		240	1500	6.3
		230	1380	6.0
300H	SINGLE PHASE -	208	1125	5.4
	_	120	375	3.1
300J	SINGLE PHASE	208	1125 Same as 300H	5.4
300K	SINGLE PHASE	208	900 Same as 300A	4.3
300L	SINGLE PHASE	208	750 Same as 300F	3.6
20014	CINCLE BUACE	208	565	2.7
300M	SINGLE PHASE -	120	190	1.6
300N	SINGLE PHASE	120	1250	10.5
2200	SINGLE PHASE —	380	1500	3.9
300P		240	600	2.5

	ENCLOSURES AND TEMPERATURE SENSORS		
	All thermocouples are ungrounded, for optimal performance.		
Section "BB"	Description	No. of Sensors	Enclosure
00	NO SENSOR	0	NO ENCLOSURE
0J	J-TYPE THERMOCOUPLE IN THERMOWELL	1	NO ENCLOSURE
0K	K-TYPE THERMOCOUPLE IN THERMOWELL	1	NO ENCLOSURE
E0	NO SENSOR	0	EXPLOSION PROOF
EJ	J-TYPE THERMOCOUPLE IN CARTRIDGE HEATER	1	EXPLOSION PROOF
EK	K-TYPE THERMOCOUPLE IN CARTRIDGE HEATER	1	EXPLOSION PROOF

	METRIC MOUNTING HOLES
	Place an "M" in section D if metric mounting holes are required. If standard Imperial mounting holes are desired, sec. D can be left blank
Section "D"	Metric Mounting Holes
М	M6 X 1.00 METRIC TAPPED MOUNTING HOLES

VALUE ADDED OPTIONS FOR FLOW-TUBES		
If you need electropolished or passivated flow-tubes, add these letters to the end of your part number. For both, indicate "EP-P"		
PN Adder	Additional Service	
Р	PASSIVATION: TO CLEAN FLOW-TUBE ID (USES A DILUTED NITRIC ACID FLUSH)	
EP	ELECTROPOLISHED TUBE ID: RA VALUE: 10 MICROINCHES (.254 MICROMETERS)	

	ACCESSORIES
	These PNs are totally separate from the PNs for the heater
Part Number	Component
274-55-6-1	COMPRESSION FITTINGS (HIGH PRESSURE) / PAIR (SHIPPED LOOSE)
307-0-27-1	INSULATION JACKET, MAXIMUM TEMPERATURE 1472°F (800°C)

CUSTOM DESIGNS & COMPONENTS
For these options, please call a CAS Representative for a quote.
THICK WALL TUBES FOR HIGH PRESSURE APPLICATIONS
SPECIAL TUBE FITTINGS