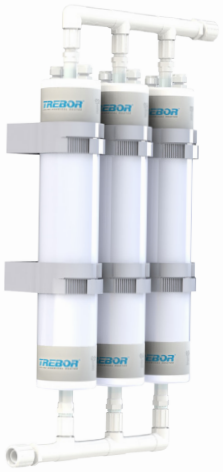
PRODUCT DATA SHEET

INLINE CHEMICAL HEATERS

- PATENTED SEALING TECHNOLOGY
- HIGH PURITY FLOW PATH
- SERIES OR PARALLEL CONFIGURATION
- NO PURGING REQUIRED



Heating modules may be combined to achieve desired capacity and plumbing.

Trebor's Inline Chemical Heaters are unlike any other heating technology on the market because of our thin film on quartz electric resistive technology. Our technology, combined with high-purity materials, a quick ramp up time, crevice-free design, and customizable configurations, creates reliable and efficient heater. Because of the design simplicity and flexibility, we can accommodate a wide range of application needs with only two models – a high temperature version and a low temperature version. These heaters are well-suited as a plug-and-play design for a variety of applications, especially with fluids that need to be heated quickly and at point-of-use.

This is PURE INNOVATION.

MAX TEMPERATURE
100 °C / 212 °F ICA
200 °C / 392 °F ICB

MAX PRESSURE
80 PSI / .55 MPa

CERTIFICATIONS
CE, Semi S2, Semi S3

HEATER OPTIONS

MODEL	ICA	Chemical Heater ≤100° C ≥ 2 LPM
	ICB	Chemical Heater ≥ 100° C ≤ 2LPM
CONFIGURATION	03V208S	3kW, 208 VAC, Single φ
	03V400Y	3kW, 400 VAC, 3 φ Wye
	04V208S	4kW, 208 VAC, Single φ
	04V400Y	4kW, 400 VAC, 3 φ Wye
	06V400S	6kW, 400 VAC, Single φ
	06V400D	6kW, 400 VAC, 3 φ Delta
FLUID CONNECTION	F04	1/4" Flare
	F08	1/2" Flare
	F12	3/4" Flare
	X04	1/4" Super 300 Pillar
	X08	1/2" Super 300 Pillar
	X12	3/4" Super 300 Pillar
LEAK SENSOR	A	N/O 24 vdc Conductive
	B	N/C 24 vdc Conductive
OVER-TEMP SAFETY SENSORS	A	J-Type T/C
	B	PT1000 (RTD)
	C	PT100 (RTD)

Example of an order number based on configuration options:

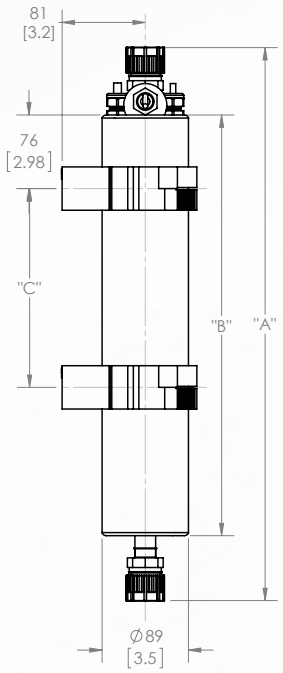
ICA	03V400Y	F12	A	B

LIQUID LEVEL SENSORS

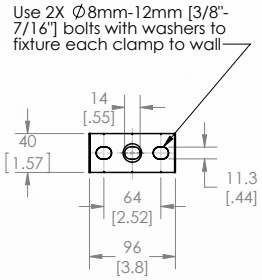
DP-L-51	Capacitive Clip On
DP-L-52	Optical Clip On

Optional Liquid Level Sensors (Sold Separately)

DIMENSIONS IN MILLIMETERS (IN.)



3-6 kW Heater



	HEIGHT (mm [in])			WEIGHT (kg [lbs])
	"A"	"B"	"C"	
6kW	738 [29.0]	605 [23.8]	51-373 [2.0-14.7]	5.02 [11.07]
3kW & 4kW	569 [22.4]	433 [17.1]	51-203 [2.0-8.0]	3.88 [8.55]

HIGH PURITY FLUID PATH

Fluid path constructed entirely of GE 214 Quartz, PTFE and PFA

PATENTED FLUID PATH TECHNOLOGY

Eliminate potential leak point with no elastomer o-rings

LOW THERMAL MASS

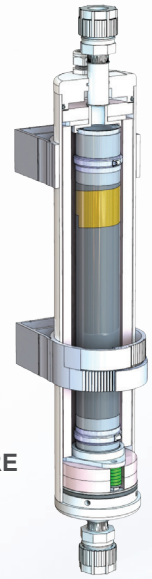
Allows faster ramp to temperature

VERTICAL ORIENTATION

Eliminates dead leg and particle traps

SEALED, PFA/PTFE ENCLOSURE

Reduces the risk of element failure from environment



THIN FILM RESISTOR

Single or three phase power allows versatility

QUARTZ ELEMENT WITH THERMOCOUPLES

No IR bulbs or coils to replace

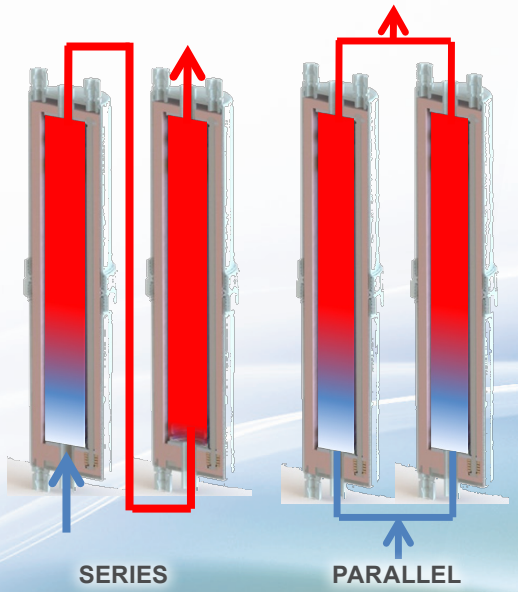
SAFETY

Interlocks
- *Element over-temperature*
- *Glass over-temperature*
- *Leak sensor*
- *Liquid level sensor*

OPTIONS

PT100/PT1000 RTD
Capacitive Fluid Sensor
Pillar Super 300 Fluid Connection
Multiple other fluid connections

MANIFOLD OPTIONS



Trebor uses virgin PTFE and PFA in all products...no re-processed material is allowed.