



## Accuheat® PFA In-Line Solvent Heaters for IPA, EKC, Acetone, Ethanol, NMP, and more

Accuheat® PFA in-line solvent heaters are ideal for IPA (Isopropyl alcohol), NMP, and much more. IMTEC introduces Gen.1.5 of the high-purity PFA solvent in-line heater. This in-line heater is designed to safely heat volatile flammable solvents while maintaining a high-purity flow path. Equipped with multiple safety devices, an improved purge path, and upgraded insulation materials, this in-line heater is certified for operation within a Class I, Division II environment. Single pass or recirculating, this in-line heater is ready to deliver stable fluid temperatures over a range of flow rates.



### Features & Benefits

- Class I, Division II Environment Compliant (Third Party Certified)
- Continuous internal flow path, no O-rings or compression seals
- All wetted surfaces are high-purity PFA
- Stainless steel grounded housing
- Wiring shielded with grounded conduit
- Maximized watt density for performance
- Zero maintenance required
- PFA fluid path, wide solvent compatibility
- Redundant Over-Temperature Devices
- Stainless Steel housing and metal core enables a grounded construction preventing spark generation
- All wiring shielded with conductive, grounded, PTFE conduit preventing spark generation
- Low flow N2 housing purge provides positive pressure inert environment preventing the possibility of flame or ignition
- Indirect heating, no immersed heater elements which can lead to shock or contamination
- Small foot print enabled by unique design

### Unsurpassed Reliability

- Heavy gauge pre-formed Inconel element can stand up to high stress conditions without breaking down
- Power modulator monitors core temperature and prevents heat buildup inside the housing
- Sealed housing prevents chemistry from attacking internal components
- All wiring is run in conduit to prevent chemical attack
- Indirect heating, no immersed heater elements
- Improved purge path for more reliable N2 flow
- Continuous internal fluid path, no O-rings
- Cellular Silicone Foam insulation provides unobstructed purge path

### Specifications

<b>Heater</b>	Accuheat® PFA In-line Solvent Heater
<b>Process Chemistries</b>	IPA (Isopropyl alcohol), EKC (EKC265, EKC830, EKC270), Acetone, Ethanol, Toluene, MEK (methyl ethyl ketone), NMP, and much more.
<b>Max Operating Temperature</b>	80°C
<b>Max Pressure</b>	40 psi at 80°C
<b>Wattages Single-Tube</b>	3-12 kW
<b>Voltages</b>	200-400 VAC, single or 3 phase, model dependent
<b>Sensors</b>	2 T/Cs , 1 Over-Temp Switch
<b>Mounting</b>	Horizontal or Vertical
<b>Connections</b>	3/4-in Fit-One or S300 Pillar
<b>N2 Ports</b>	Inlet, Outlet, Pressure Monitor
<b>Certifications</b>	<p><b>IECEx Standards:</b> IEC 60079-0:2017 IEC 60079-2:2014 IEC 61010-1 , IEC 61010-2-10 UL 499 &amp; CSA 22.2 No.88</p> <p><b>ATEX Standards:</b> EN 60079-0:2018 EN 60079-2:2014/AC:2015</p> <p><b>USA/CAN Standards:</b> NFPA 496:2016 Ed.2017 UL 60079-0:2019 Ed.7 UL 60079-2:2017 Ed.6 CSA C22.2 No. 60079-0:2019 Ed.4 CSA C22.2 No. 60079-2:2016 Ed.2</p> <p><b>USA - Class 1, Division 2, Group A, B, C, AND D, Type Z; T2 Class 1, Zone 2, Aex pzc IIC T2 Gc</b></p> <p><b>CAN - Ex pzc IIC T2 Gc</b></p>
<b>Compliant to Requirements</b>	Semi S2 & S3
<b>Equipment Marking</b>	II 3G Ex pzc IIC T2 Gc Ex pzc IIC T2 Gc IECEx ETL 19.0027U ITS19ATEX104872U
<b>Warranty</b>	12 Months

