

'FP' Cast Line heaters

The EXHEAT range of cast aluminium line heaters provides an effective heating solution for constant flow liquids or gases eliminating the requirement for a costly pressure vessel. Particularly in high pressure applications or when exotic process materials are required the FP-Cast range can provide significant commercial advantage, eliminating the requirement for a costly pressure vessel. The design incorporates electric heating elements and an indirect process heating coil imbedded within marine grade cast aluminium. This provides excellent heat transfer properties combined with low surface temperatures. It should be noted that this design is not suited for constantly varying flow applications where precise outlet temperature control is required.

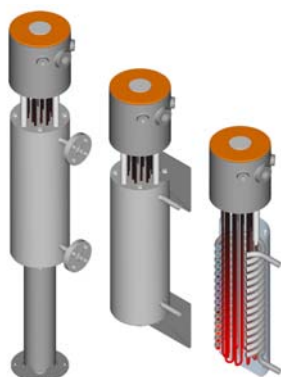
FEATURES

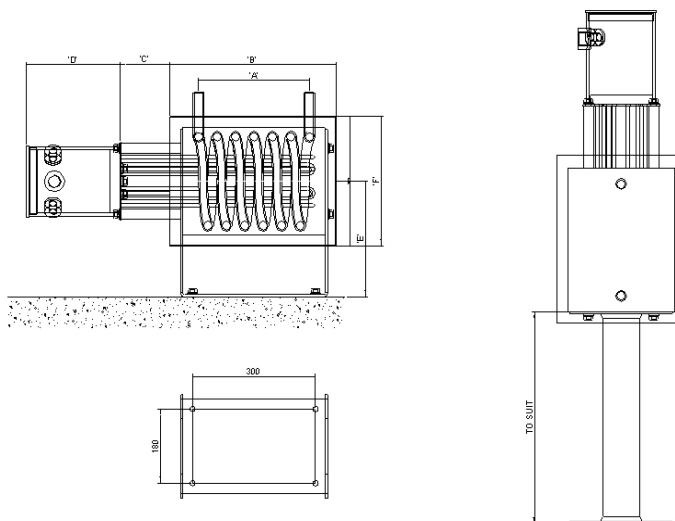
- Certified to meet ATEX Directive 94/9/EC and IECEx.
- Thermally insulated aluminium or stainless steel cladding.
- Flameproof IP65 rated terminal enclosure.
- Maximum working pressure and temperature rating of 300Bar G @ 100 Deg C
- Internal control thermostats and over temperature thermostats (PT 100, Thermocouple Type K available)
- Wall or Floor, vertical or horizontal mounting mounting.
- Multiple heating elements allows for step control or alternatively thyristor control can be employed.
- Standard Stainless Steel process path (other materials upon request)
- Various process connections including RF flange, RTJ Flange, Compression Fitting.



TYPICAL APPLICATIONS

- Natural gas
- Air, CO2 and Nitrogen
- Instrument Air
- Solvent
- Steam generation
- Paint heating
- Pasteurisation





Part No.	Kw	N.B.	I/D	Pitch	Colls	A	B	C	D	E	F	O/D
FP-CAST-3/1/270	3	1/2"	21.34	45	6	270	410	150	735	315	280	215
FP-CAST-3/2/270	3	3/4"	26.67	45	6	270	410	150	735	315	280	215
FP-CAST-3/3/270	3	1"	33.4	54	8	270	410	150	735	325	280	250
FP-CAST-3/1/470	3	1/2"	21.34	45	6	470	610	150	735	315	280	215
FP-CAST-3/2/470	3	3/4"	26.67	45	6	470	610	150	735	315	280	215
FP-CAST-3/3/470	3	1"	33.4	54	8	470	610	150	735	325	280	250
FP-CAST-6/1/270	6	1/2"	21.34	45	6	270	410	150	735	315	280	215
FP-CAST-6/2/270	6	3/4"	26.67	45	6	270	410	150	735	315	280	215
FP-CAST-6/3/270	6	1"	33.4	54	8	270	410	150	735	325	280	250
FP-CAST-6/1/470	6	1/2"	21.34	45	6	470	610	150	735	315	280	215
FP-CAST-6/2/470	6	3/4"	26.67	45	6	470	610	150	735	315	280	215
FP-CAST-6/3/470	6	1"	33.4	54	8	470	610	150	735	325	280	250
FP-CAST-9/1/270	9	1/2"	21.34	45	6	270	410	150	735	315	280	215
FP-CAST-9/2/270	9	3/4"	26.67	45	6	270	410	150	735	315	280	215
FP-CAST-9/3/270	9	1"	33.4	54	8	270	410	150	735	325	280	250
FP-CAST-9/1/470	9	1/2"	21.34	45	6	470	610	150	735	315	280	215
FP-CAST-9/2/470	9	3/4"	26.67	45	6	470	610	150	735	315	280	215
FP-CAST-9/3/470	9	1"	33.4	54	8	470	610	150	735	325	280	250
FP-CAST-12/1/270	12	1/2"	21.34	45	6	270	410	150	735	315	280	215
FP-CAST-12/2/270	12	3/4"	26.67	45	6	270	410	150	735	315	280	215
FP-CAST-12/3/270	12	1"	33.4	54	8	270	410	150	735	325	280	250
FP-CAST-12/1/470	12	1/2"	21.34	45	6	470	610	150	735	315	280	215
FP-CAST-12/2/470	12	3/4"	26.67	45	6	470	610	150	735	315	280	215
FP-CAST-12/3/470	12	1"	33.4	54	8	470	610	150	735	325	280	250

- Certification** ATEX certified Ex II 2 G/D and IECEx certified Ex d IIC T3 to T6 Ex tD A21
IP66 T200 °C to T85 °C to IEC/EN 60079-0, IEC/EN 60079-1, IEC/EN 61241-0 and IEC/EN 61241-1
- Enclosure** Painted Carbon Steel or Natural finished stainless steel.
- Element Insulations** Stainless Steel sheathed with 80/20 NiCr resistance wire imbedded in high purity Magnesium Oxide .
- Casting** Marine Grade aluminium, insulated and Aluminium clad, (SS cladding available on request)
- Process Coil** Supplied as standard with Stainless Steel 321, (other materials available on request)
- Design Code** ASME VIII or PD5500 with PED certification for installation within the European Union.
- CE Marked** In accordance with relevant directives.
- Voltage** Up to 690 VAC.