

PEGH Gas Line Heaters

The EXHEAT range of pre-engineered gas line heaters provides precise and accurate temperature control for gas applications. When coupled with an EXHEAT thyristor control panel, it is ensured that the process fluid is heated correctly and efficiently across all design conditions.

The heater is specifically designed to offer improved delivery times with reduced costs. Applying EXHEAT expertise to standardisation eliminates project engineering time and ensures materials can be offered from stock.




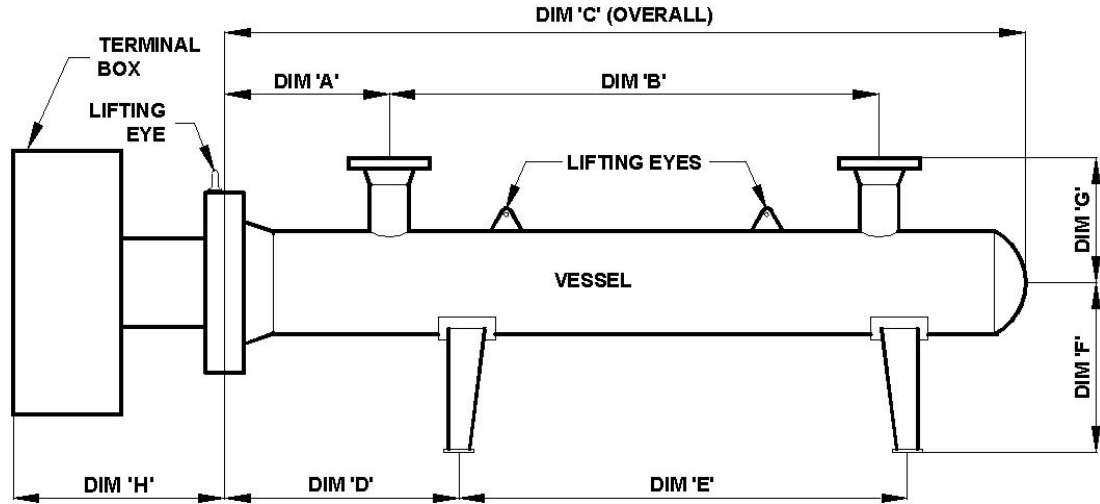
FEATURES

- Certified to ATEX, IECEx or CSA standards
- Terminal box is certified IP66/67 or Type 4/4X
- Temperature classifications T3 to T6
- Up to 1159 kW
- Elements are individually replaceable on site without the need for special tools
- Optional anti-condensation heaters available

TYPICAL APPLICATIONS

- Fuel gas
- Natural gas
- Industrial gases
- Seal gas
- Air
- Biogas

Certifications	<p>ATEX / IECEx  II 2 G/D Ex e IIC, T3 to T6 Gb, IP67 Ex d IIC, T3 to T6 Gb, IP66 Ex tb IIIC, T85 to T200°C Db, IP66 CSA Class I, Division 2, Groups A, B, C, D; Temperature coded T3 to T6; Enclosure type 4 or 4X Class I, Division 1, Groups A, B, C, D; Temperature coded T3 to T6, Enclosure type 4 CSA Ex d IIC; T3 to T6 Gb, IP66 Class I, Zone 1, AExd IIC; Temperature coded T3 to T6 Gb, IP66 CU TR (formerly GOST), CNEEx, CCOE, Inmetro, KGS</p>
Vessel Design Codes	<p>ASME VIII Div 1</p>
Vessel Materials	<p>Low temperature carbon steel Connections rated Class 150 or 300</p>
Elements	<p>Individual hairpin elements are manufactured from 80/20 NiCr resistance wire embedded within high purity compacted magnesium oxide powder. Element sheaths are corrosion / erosion resistant Incoloy 800 tubes. All elements are sealed using the EXHEAT double-sealing method to prevent moisture ingress</p>
Element to Tubesheet	<p>Elements are sealed into their support plate (tubesheet) by 'Bite' type couplings; the bite couplings provide a 100% seal and are suitable for use in pressures exceeding 500 barg The use of mechanical couplings allows for individual elements to be replaced at site using simple mechanical tooling</p>
Internals	<p>Elements are supported in a segmental or rod type baffle assembly to prevent flow-induced vibration and hot spots, generally complying with TEMA standards Correct baffle selection ensures that element temperature or pressure drop restrictions can be met</p>
Terminal Box	<p>Manufactured from either mild steel or stainless steel, having un-drilled gland plates (Ex e) or metric cable entries (Ex d)</p>
Voltage	<p>Suitable for voltages up to 690V</p>
Documentation	<p>Each EXHEAT PEGH Gas Line Heater will be provided with a full document dossier including:</p> <ul style="list-style-type: none">• General Arrangement Drawing• Schematic Diagram• Material Test Certificates for pressure parts to EN10204 Type 3.1• Design Calculations (strength and thermal)• Hazardous Area Certificates• IOM



Short Option											
kW	Withdrawal	A	B	C	D	E	F	G	H	Diameter (Ins)	Nozzle Rating
24	2250	181	1569	1981	400	1181	427	250	400	4	150
24	2250	190	1549	1979	400	1174	427	250	400	4	300
95	2250	194	1556	1994	400	1194	477	275	400	6	350
95	2250	204	1535	1993	400	1193	477	275	400	6	300
166	2250	221	1539	2031	400	1231	528	301	400	8	150
166	2250	231	1516	2028	400	1228	528	301	400	8	300
309	2350	234	1537	2055	400	1255	579	327	500	10	150
309	2350	250	1503	2053	400	1253	579	327	500	10	300
451	2350	262	1507	2081	400	1281	630	352	500	12	100
451	2350	262	1488	2062	400	1262	630	352	500	12	300

Long Option											
kW	Withdrawal	A	B	C	D	E	F	G	H	Diameter (Ins)	Nozzle Rating
61	4375	181	3694	4106	400	3306	427	250	400	4	150
61	4375	190	3674	4104	400	3304	427	250	400	4	300
244	4375	194	3681	4119	400	3319	477	275	400	6	150
244	4375	204	3660	4118	400	3318	477	275	400	6	300
427	4375	221	3664	4156	400	3356	528	301	400	8	150
427	4375	231	3641	4153	400	3353	528	301	400	8	300
793	4475	234	3662	4180	400	3380	579	327	500	10	150
793	4475	250	3628	4178	400	3378	579	327	500	10	300
1159	4475	262	3632	4206	400	3406	630	352	500	12	150
1159	4475	262	3613	4187	400	3387	630	352	500	12	300