

Client	Impexron	Date	02.03.2021
Fabric No.		Piece	1
Order No. / Position	A-01-21-0520	Client details	
Article No.	50050246		
Name	Ex-Flanged Heater	Type	DHF22B03GG-35-T5

<b>1 Degree of Protection IEC/EN 60529</b>		IP 66	
<b>2 Ex Marking and Type of Protection</b>			
IEC/EN 60079	(Ex) II 2G Ex db eb IIC T5 Gb		
IEC/EN 60079-31			
EC Type Examination Certificate   IECEx Certificate	IBExU 15 ATEX 1019 X	----	
	ELM 20-003		
<b>3 Electrical data and connection</b>			
Power groups	E1	Complete	
Rated power	35 kW		
Rated current	51 A		
Back up fuse	63 A		
Rated voltage	400 V 3/PE 50/60 Hz		
Specific surface load	5,0 W/cm <sup>2</sup>		
Control circuit temperature monitoring	max. 10 A; 230 V 1/N/PE 50/60 Hz		
Control circuit additional monitoring devices	----		
Anti condensation heater	----		
Connection diagramm	A-01-21-0520		
Connection cross section power circuit	16/25 mm <sup>2</sup>		
Connection cross section control circuit	max. 6/4 mm <sup>2</sup>		
Cable entry power circuit / material	1x M40x1,5; for cable-ø 17...28 mm / PA	tightening torque: 10 Nm	
Cable entry power circuit / material	----		
Cable entry control circuit / material	1x M25x1,5; for cable-ø 7...17 mm / PA	tightening torque: 2,0 Nm	
Cable entry anti condensation heater / material	----		
<b>4 Protection system</b>			
Temperature monitoring	B1	TL = T5 respectively max. 95 °C - effective on medium temperature	
Isolation resp. residual current device	min. 50 Ω per voltage resp. max. 100 mA		
Level monitoring device	B3	at site to build close to the heater, adjusted at 50 mm minimum overlap	
<b>Additional monitoring devices or sensors</b>			
Temperature monitor, regulators	B2	TR = 20...90 °C - effective on medium temperature	
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<b>5 Dimensions</b>			
Dimension sheet / drawing	A-01-21-0520		
Installation length L	1200 mm		
Unheated length Lu	100 mm		
Temperature reduct. length Lt	----		
Heating bundle diameter	120 mm		
Distance of sheets	250 mm		
Flange	ASME B16.5 Cl.150 5" RF		
<b>6 Material &amp; Surface</b>			
Heating elements	1.4541	metallic bright	
Cartridge pipe	----		
Flange	C-Steel	varnished with	Hammerschlag
Connection enclosure	Cast iron	varnished with	Hammerschlag
<b>7 Operation data</b>			
Medium / flow rate	Cooling Water	/ ----	
Operating pressure	atm.		
Operating temperature	max. 90 °C		
Ambient temperature / max. housing temperature	-20 ... +40 °C / 60 °C		
Mounting position	in aggregate, tank or container; Heater horizontal; "TOP" is marked; cable glands from bottom side; H 180, V 90		
<b>8 Design data</b>			
Design code	PED 2014/68 EU AD 2000		
Allowable operating pressure	16 bar g		
Allowable temperature min. / max.	0 / +95 °C		
Fluid group / diagramm	- / 5		
Category / module	suitable for mounting in pressure vessels up to Category IV		
Inspection / certificate / report	TÜV / EN 10204-3.1		
<b>9 Documentation</b>			
Language	german	/	english / ----
Operation manual	DH...; EH...		
<b>10 Remarks</b>			
Replacement for DHF22B03GG-35-T5 Fabric No. 834752/001 Year of construction: 2020			
<b>11 Internal remarks</b>			
Test pressure:	24 bar g		
Heating elements: pieces; shape; wiring; type	6 DH; ΔP; NR 474V 17G / 5835W / 400V		
Solder / welding filler / heating elements diameter	314 D / 1.4332 + 1.4576 / 8,5 mm		
In charge / Project team	Mr. Lemmermann	Mr. Kizildenizli	