

Client	Impexron GmbH	Date	15.04.2019	Rev00
Fabric No.	833311 / / 003	Piece	1	
Order No. / Position	833311-0020	Client details		
Article No.	50051049			
Name	Ex-Flanged Heater	Type	DHF21B01GG-0,5-T4	

<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 T4			
IEC/EN 60079-31					
EC Type Examination Certificate   IECEx Certificate		IBExU 15 ATEX 1019 X			
EU Declaration of Conformity		ELM 15-006			
<b>3 Electrical data and connection</b>					
Power groups	E1	Complete	Group 1	Group 2	Group 3
Rated power	0,5 kW				
Rated current	4,2 A				
Back up fuse	10 A				
Rated voltage	120 V 1/N/PE 50/60 Hz				
Specific surface load	1,2 W/cm <sup>2</sup>				
Control circuit temperature monitoring	----				
Control circuit additional monitoring devices	----				
Anti condensation heater	E2	----			
Connection diagramm	16-1452-40-02				
Connection cross section power circuit	6/4 mm <sup>2</sup>				
Connection cross section control circuit	----				
Cable entry power circuit / material	1x M25x1,5; for cable-ø 7...17 mm / PA		tightening torque: 2,0 Nm		
Cable entry power circuit / material	----				
Cable entry control circuit / material	1x M25x1,5; blind plug / PA				
Cable entry anti condensation heater / material	----				
<b>4 Protection system</b>					
Temperature monitoring	B1	TL = T4 respectively max. 135 °C - effective on heating element surface			
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 = 0...70 °C - effective on medium temperature			
Temperature monitor, regulators	B4	----			
<b>5 Dimensions</b>					
Dimension sheet / drawing	HK2T				
Installation length L	450 mm				
Unheated length Lu	40 mm				
Temperature reduct. length Lt	170 mm				
Heating bundle diameter	40 mm				
Distance of sheets	----				
Flange	SAE 2" 3000 PSI				
<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	Lubrication Oil	/ ----			
Operating pressure	atm.				
Operating temperature	~20 °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	AD 2000				
Allowable operating pressure	0,5 bar g				
Allowable temperature min. / max.	-10 / +135 °C				
Fluid group / diagramm	----				
Category / module	----				
Inspection / certificate / report	Pressure test / ----		/ K-833311-0020		
<b>9 Documentation</b>					
Language	german	/	english	/	----
Operation manual	DH...; EH...				
<b>10 Remarks</b>					
Replacement for fab.-no.: 5220/1 // year of build 2000					
<b>11 Internal remarks</b>					
Test pressure:		5 bar g			
Heating elements: pieces; shape; wiring; type		2 H; P; NR 124V 21G / 250W / 120V			
Solder / welding filler / heating elements diameter		Fontargen AF 314 D / 1.4332 / 8,5 mm			
In charge / Project team		Mr. Jagusevski		Mr. Drögemüller	