

Quotation 20617

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Invoice Address
Delta Process Equipment
Lübecker Straße 1
D-D-22087 Hamburg
DEUTSCHLAND

Customer no. 40120
Currency EUR
Date 29-05-2024
Valid until 29-07-2024

Delivery Address
Delta Process Equipment
Lübecker Straße 1
D-22087 Hamburg

Your reference Email 27-05-2024
Your contactperson Sir F. Shoarian
Our Reference Remko Wetter
Terms of payment Payment in advance
Terms of delivery Recipient pays for the freight charges

Dear Sir Shoarian,
In response to your request, we offer you the following:

Article	Description	Amount	Unit price	Total
OFISE1	D-8660 VAR Ex- Immersion Heater, 2kW, 3x400Vac, 50Hz, IP66 D-8660 VAR Ex- Immersion Heater, 2kW, 3x400Vac, 50Hz, IP66 Immersion Length: 700mm, U-Pin Elements Screw Plug 1 1/2" 3000# (m), ASTM A182 Gr. F316L ATEX: Ex II 2 G Ex de IIC T4 Gb	2,00	2.137,50	4.275,00
100047	Packing- and freight costs Delivery time is ± 14 weeks after purchase order.	1,00	220,00	220,00

Nett	Total
4.495,00	4.495,00

We trust that we have made you a suitable offer and look forward to your response with interest.
Yours sincerely,

Jac. de Vries Gesta B.V.
Remko Wetter

Prices : nett (excluding VAT, excluding packaging and transport costs)
Terms of delivery : on all our quotations, on all assignments given to us and on all agreements concluded with us THE METAL
: CONDITIONS apply. These terms and conditions have been filed with the registry of the court of Rotterdam.
Administration costs : for order amounts up to € 110.00 (excluding VAT), € 22.00 administration costs will be charged.
: for order amounts up to € 225.00 (excluding VAT), € 15.00 administration costs will be charged.

The EN 60335-1 standard applies to all heating elements.

Jac. de Vries Gesta B.V.
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The Netherlands

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K.v.K. / C. of C No. 36043314
Bank / Bankers: Rabobank
BIC: RABONL2U
IBAN: NL77 RABO 0372 9338 90

P1

D-8660 VAR Ex- Immersion Heater, 2kW, 3x400Vac, 50Hz, IP66
Immersion Length: 700mm, U-Pin Elements
Screw Plug 1 1/2" 3000# (m), ASTM A182 Gr. F316L
ATEX: Ex II 2 G Ex de IIC T4 Gb

Application : Ex- Immersion Heater
Medium to be heated : Oil
Temperature Working : TBA
Temperature Design (Min/Max) : 0...120°C
Pressure Working : 1bar-g
Pressure Design (Max/Min) : 30bar-g...-1bar-g
Mass Flow : TBA
Design code : ASME VIII div. 1
Hydrostatic test pressure : To Code
Environmental Ambient : 5...35°C
Environment : Onshore / Indoors
Placement : Horizontally
Hazardous Area : Certified for: Zone 1, IIC, T4
Placement in: Zone 2, IIC, T4

Certification : **ATEX**
Product marking : Ex II 2 G Ex de IIC T4 Gb
Certificate : ISSeP 08 ATEX 009X /2 Flameproof
Ambient temperature : -30°C to +50°C

Immersion Heater
Output : 2kW
Number of Groups : 1 x 2,0kW
Power Supply : 3x400Vac, 50Hz
Configuration : Elements are Delta-connected (Δ)

Process Connection : Screw Plug 1 1/2" 3000# (m)
Material : ASTM A182 Gr. F316L, Pickled & Passivated
Certificate : 3.1 Material Certificate (acc. EN 10204)

Elements : 3-Off Tubular Elements, \varnothing 8,5mm, U-Pin type
Tube Material : ASTM A312 Gr. TP316L
Immersion Length : Total Length 700mm, Heated Length 600mm
Cold Zone : 100mm
Heat Flux : 2,02W/cm²

Junction Box : D-8660 VAR *Ex- d*
Material Junction Box : Carbon Steel, Single layer Powder Coating, top coat RAL 7035
Ingress Protection : IP66
Wiring : Elements wired to Terminals
Cable entry : 3-Off M25 Plugged

Cable Glands : P/S: 1-Off M20 Os (\varnothing 5,5 - 12), Hawke ICG 653 (Universal) Brass *Ex- d/e*
2-Off M25 Blindstop, Brass *Ex- d/e*
1-Off M25 → M20 Reducer, Brass *Ex- d/e*



Construction	: No Offset between Junction Box and Flange/Plug Elements mounted by welding 1-Off Open Baffle Plates for constructional rigidity (ASTM A240 Gr. TP316L) Earth Boss \varnothing 16x20mm - M8(f) on flange bottom	
Temperature Control	: 1-Off Capillary Thermostat In Thermowell, Immersed in Fluid Direct Switching, 32 - 110°C, 3-Poles, NC, Auto reset, set @ 45TRUE	<i>Ex- d</i>
Temperature High-High	: 1-Off Capillary Thermostat In Thermowell, Clamped to element Direct Switching, 30 - 110°C, 3-Poles, NC, Manual reset, set @ 110°C	<i>Ex- d</i>

Test & Inspection

Hydrostatic test : To Code

Test & Inspection of the Electrical Heating Elements

Insulation Test : > 200 M Ω (@1000 VDC & 20°C)

Cold resistance : 10% / - 5%

Quality assurance

Standards : NEN-EN-ISO 9001 : 2015.

The quality management system is applicable to: " Design, production, delivery and trade in complete process heating installations, electrical heating elements, space heating, explosion proof heating systems and associated products for the petrochemical and other industries"





ELECTRICAL OIL HEATER DATASHEET

PROJECT SPECIFICATION

Rev : 0
 Sheet : 1 of 1
 By : YAB / KVE

REV.

1	TAG NO.	30	
2	QUANTITY	1 pc/ oil separator	
3	DUTY	standstill heating	
4	MANUFACTURER	Jac De Vries	
5	TYPE/MODEL NO.	ISE 2,0 kW 3x400Volt	
6	MEDIUM	OIL	
7	DESIGN PRESSURE / DESIGN TEMPERATURE	-1 to 30 BarG / 120 °C	
8	HEATING CAPACITY	2 kW / heater	
9	SUPPLY VOLTAGE / PHASE / FREQUENCY	400 V / 3 ph / 50 Hz	
10	INSTALLED LENGTH L	700mm	
11	UNHEATED LENGTH Lu	100mm	
12	TERMINIAL BOX STAND OFF	0 mm	
13	FLANGE	NA	
14	NOZZLE	1 1/2" BSPT	
15	CONTROLS: TEMPERATURE REGULATOR	THERMOSTAT RANGE (30/110°C), recommended setting 45°C	
16	TEMPERATURE LIMITER	MANUAL RESET OVER-TEMP LIMIT THERMOSTAT AT +120°C	
17	CABLE GLANDS: POWER CONNECTION	1 X M25X1.5	
18	CONTROL CONNECTION	NA	
19	WEIGHT :	3 kg	
20	ENCLOSURE	IP66	
21	ATEX PROTECTION	NA	
22	ANTI CONDENSATION HEATER	NA	
	NOTES		