



# HAZMAT SUBMERSIBLE PUMP IN EX 7-3 D



Aggressive liquids ▪ Electric motor 400 V



Supply line protected by 5 Meter PTFE-hose and additional stainless steel-coating.



Motor protection plug EEx (MAST item-n° 0604210)

Complete unit EX-proof acc. to protection class EEx II 2G d IIB T4 in compl. with RL 94/4/EG (ATEX)  
Examination certificate BVS04ATEXE098X

## APPLICATION AREA:

Within hazardous zones 1 and 2 for aggressive and inflammable liquids within the resistance of the used materials.

Ambient temperature  $T_a$ :  $-20^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

Liquid temperature  $T_{FM}$ :  $-20^{\circ}\text{C} \leq T_{FM} \leq +40^{\circ}\text{C}$

Liquid density:  $\leq 1,5 \text{ kg/dm}^3$

*Important note: Submersible pumps must not be used to pump combustible liquids (zone 0).*

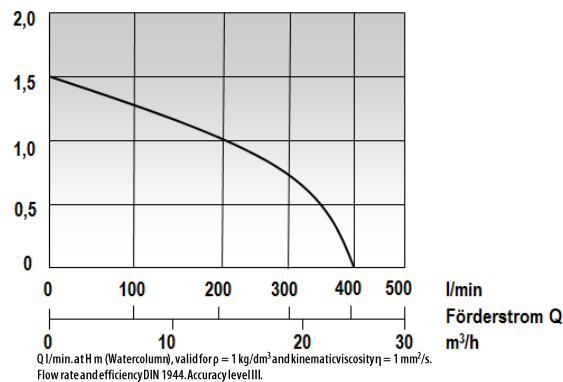
## CHARACTERISTICS:

Pump type: 3~ 400 V Three-phase AC 50 Hz  
 Power  $P_1 / P_2$ : 1,0 / 0,78 kW  
 Rated current: 2,2 A  
 Shaft speed: 2850 U/min.  
 Total weight: 50 kg  
 Dimensions:  $\varnothing 20 \times W 34 \times H 58 \text{ cm}$   
 Connections: G 1 1/2"  
 Discharge Conn.: DN 50 DIN 11 851 (-S) / alt. TW (-TW)  
 Solid passage:  $\varnothing 10 \text{ mm}$   
 Cable: NSS HOEU-J 4X2,5 (8 m)  
 Plug: EN CEE 16A 4-pole EEx

## FLOW RATE:

Ql/min	bar (p)
400	0
350	0,5
200	1,0
125	1,2
0	1,5

Förderdruck p bar



## MATERIALS:

Pumpe housing: Stainless steel N° 1.4408 (V4A)  
 Impeller: Stainless steel N° 1.4408 (V4A)  
 Diffuser: Stainless steel N° 1.4408 (V4A)  
 Screws: Stainless steel A2  
 Gaskets: Fluorelastomer FKM (Viton)  
 Mechanical seal: Double carbon set / carbid



MAST PUMPEN GmbH  
Pump manufacturer  
Mörikestr. 1 ▪ D-73773 Aichwald

+49 711 936704-0  
info@mast-pumpen.de  
www.mast-pumpen.de

Subject to change. V\_01/17