# Pump design data

Pumped medium : \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Working Temperature : \_\_\_\_\_°C

Concentration : \_\_\_\_\_%

Flow : \_\_\_\_\_\_\_\_\_\_\_\_l/min

Discharge pressure : \_\_\_\_\_bar

Suction pressure : \_\_\_\_\_bar

Differential pressure : \_\_\_\_\_bar

Viscosity : \_\_\_\_\_mPas

Density at working temp. : \_\_\_\_\_kg/dm³

# Pump design

Make : ALLWEILER or equivalent

Series :

* Housing parts made of high-quality cast stainless steel
* Anti-twist stator with honeycomb surface to reduce torque and increase efficiency
* Bonded connection (vulcanization) between stator elastomer and sheath to increase pressure stability and prevent leakage
* Oil-lubricated bolt joints, with radial sleeve seal (axial flow of the seal not permitted)
* Joint-shaft with metallic protective collar to protect against damage to the joint sleeve
* Shaft sealing by single-acting mechanical seal arranged in the medium flow
* Vertical installation of the pump with single-acting mechanical seal without additional flushing or quench connection possible
* Pump can be easily dismantled with only 4 screws
* Pump in modular design:
  + Subsequent conversion to other shaft sealing possible
  + Subsequent conversion to other conveying elements (or other delivery flows) possible without changing the pump installation length

# Materials

Pump casings : 1.4408

Pump lantern : EN-GJL 250 (GG25)

Rotating parts : 1.4404

Rotor : 1.4404

Stator : Hypalon (Viton for FHM concentrate)

Joint sleeves : Hypalon (Viton for FHM concentrate)

Mech. seal : Q1Q1VGG

# Connection dimensions

Suction : RP 1" (DIN EN 10226-1) or DN 25 PN 25 (EN 1092)

Discharge : RP 1" (DIN EN 10226-1) or DN 25 PN 25 (EN 1092)

# Selected pump brand

Make : ALLWEILER

Series : AEB – DE  
Speed min.-max.: :

**Selected gear motor make**

Make : \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type : \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Power : \_\_\_\_\_ Kw

Motor speed : \_\_\_\_\_ min-1

Output speed : \_\_\_\_\_\_

Speed range : \_\_\_\_\_

Voltage : \_\_\_\_\_ V

Frequency : \_\_\_\_\_ Hz

Protection : \_\_\_\_\_\_\_IP with PTS sensor

for FC regulation : with/without external fan

The pump described above, including the gear motor, is mounted on a common base plate and painted in RAL 5017 (stainless steel unpainted).

Quantity : Pcs. €/pc Total

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| **Revision Log** | | | |
| **Revision Number** | **Revision Date** | **Revision Description** | **Approved By** |
| 00 | 09 Apr 2020 | Original document | Elvis Kovacevic |
| 01 | 30 Jun. 2022 | Revised document | Torben Schwalvenberg |
| 02 | Dec 12, 2024 | Revised document | Elvis Kovacevic |
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