**Pump design data**

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

Working Temperature : \_\_\_\_\_°C

Solids content : \_\_\_\_\_%DS

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 grey cast iron
* Rotor hardened and ground, with flow-optimized surface microstructure and ductile hard chrome coating
* Anti-twist stator with honeycomb surface to reduce torque and increase efficiency
* Highly wear-resistant stator elastomer with an abrasion value according to DIN ISO 4649 of max. 50 mm³ (e.g. ALLDUR, or equivalent)
* Bonded connection (vulcanization) between stator elastomer and tube 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
* Backlash-free clamping set connection between pump and gear motor to prevent fretting corrosion
* Thermal dry-run protection with sensor sleeve vulcanized in the stator elastomer for improved heat transfer and faster tripping; Separate 230V control unit for control cabinet installation

**Materials**

Pump casings : EN-GJL-250

Pump lantern : EN-GJL-250

Rotating parts : 1.4021/1.1191

Rotor : 1.2436 hardened, incl. ductile hard chrome coating

Stator : \_\_\_\_\_\_\_\_\_\_ (max. 50 mm³ according to DIN ISO 4649)

Joint sleeves : Perbunan

Mech. seal : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Connection dimensions**

Suction : DN \_\_\_\_\_\_ according to DIN EN 1092 PN 16

Discharge : DN \_\_\_\_\_\_ according to DIN EN 1092 PN 16

**Selected pump brand**

Make : ALLWEILER

Series : \_\_\_\_\_\_\_\_\_\_\_\_\_\_

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 gear motor, mounted on a common base plate and painted in RAL 5017, is to be supplied in its entirety.

Quantity :Pcs. €/pc Total

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| **Revision Log** | | | |
| **Revision Number** | **Revision Date** | **Revision Description** | **Approved By** |
| 00 | Feb. 22, 2016 | Original document | Elvis Kovacevic |
| 01 | Jun. 30, 2022 | Revised document | Torben Schwalvenberg |
| 02 | Dec. 12, 2024 | Revised document | Elvis Kovacevic |
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