

Technische Daten

Pumpenname DW 300

| | | |
|-----------------|------------------------|-----------|
| Besteller | Datum 26-January -2018 | Firma |
| Ansprechpartner | Art. -Nr. | Issued by |
| Telefon | Projekt | Telefon |
| E-Mail | Projektnummer | E-Mail |

Requested data

| | | | | |
|---|------------------------|--------------------------|--------------------------|------------|
| 1 | Pumpenbezeichnung | SUBMERSIBLE SEWAGE PUMPS | Fluid | Abwasser |
| 2 | Pumpenanzahl / Reserve | 1 / 0 | Mediumtemperatur | °C 20 |
| 3 | Förderstrom m³/h | 53 | Kinematische Viskosität | mm²/s 1 |
| 4 | Förderhöhe m | 5 | Dampfdruck | kPa 2,2 |
| 5 | Geodätische Höhe m | 0 | PH Wert | 7 |
| 6 | Vordruck kPa | 0 | Dichte | kg/m³ 1000 |
| 7 | Available system NPSH | 0 | Feststoffe | Weight % 0 |
| 8 | Umgebungstemperatur | °C 20 | Aufstellungshöhe über NN | m 1000 |

Pumpe

| | | | | |
|----|--------------------------|--------------------------------|-----------------------------------|---------------------|
| 9 | Pumpenname | DW 300 | Frequenz | Hz 50 |
| 10 | Bauart | SUBMERSIBLE SEWAGE PUMPS | Installationsart | STANDARD |
| 11 | Hersteller | EPE | Laufrad Durchmesser | Max. mm 125 |
| 12 | Drehzahl 1/min | 2800 | | Designed mm 125 |
| 13 | No. of Stage | 1 | | Min. mm 125 |
| 14 | Anschluß Saugseite | UNI ISO 228 | Förderstrom | Operating m³/h 53,7 |
| 15 | Anschluß Druckseite | UNI ISO 228 | | Max- m³/h 54 |
| 16 | Max Working Pressure kPa | | | Min- m³/h 6 |
| 17 | Shut-off head kPa | 210,84 | Förderhöhe | Operating m 5,1 |
| 18 | Gesamtgewicht kg | See the table of "Dimensions". | | - (Qmax.) m 5,0 |
| 19 | Wellenleistung kW | 0,00 | | - (Qmin.) m 19,9 |
| 20 | | | Max. Shaft Power at max. impeller | kW |
| 21 | NPSH - Wert m | | Efficiency | % 0,0 |

Materials

| | | | |
|----|---------------|--------------------------|--|
| 22 | Flügelrad | AISI 304 | |
| 23 | Spiralgehäuse | AISI 304 | |
| 24 | Welle | AISI 303 (Wet extension) | |
| 25 | | | |
| 26 | | | |
| 27 | | | |

Motor

| | | | | |
|----|----------------|--|-----------------|-------|
| 28 | Hersteller | EPE Standard | Isolierklasse | F |
| 29 | Typ | DW 300_400_Three Phase | Phasen | 3~ |
| 30 | Ausführung | Submersible dry type / 50 Hz / Polpaarzahl | 1Baugröße | |
| 31 | Leistung kW | 2,2 | Gewicht | kg 0 |
| 32 | Polzahl | 2 | El. Spannung | V 400 |
| 33 | Drehzahl 1/min | 2800 | El. Stromstärke | A 5 |
| 34 | Schutzart | IP X8 | | |
| 35 | | | | |

Remarks

Kennlinie

Pumpenname DW 300

| | | |
|-----------------|-----------------------|-----------|
| Besteller | Datum 26-January-2018 | Firma |
| Ansprechpartner | Art.-Nr. | Issued by |
| Telefon | Projekt | Telefon |
| E-Mail | Projektnummer | E-Mail |

Requested data

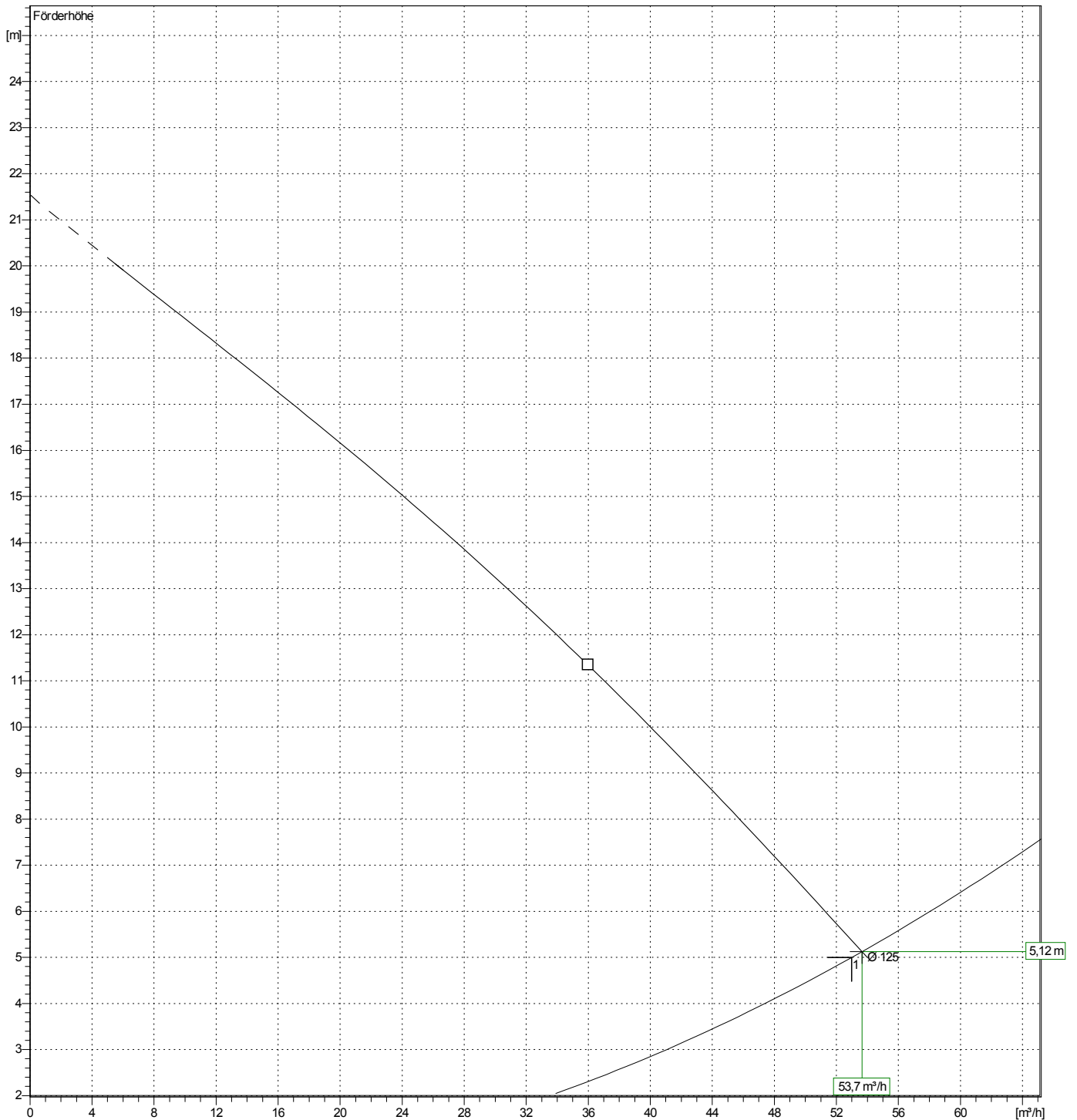
| | | | |
|---|------------------|------|----|
| 1 | Förderstrom | m³/h | 53 |
| 2 | Förderhöhe | m | 5 |
| 3 | Geodätische Höhe | m | 0 |

Pumpe

| | | | | | |
|---------------------|-------------|------|----------|-------|------|
| Operating Flow | m³/h | 53,7 | Frequenz | Hz | 50 |
| Operating Head | m | 5,1 | Polzahl | | 2 |
| Laufrad Durchmesser | Designed mm | 125 | Drehzahl | 1/min | 2800 |

Teststandard: ISO 9906:2012 - Grad3B

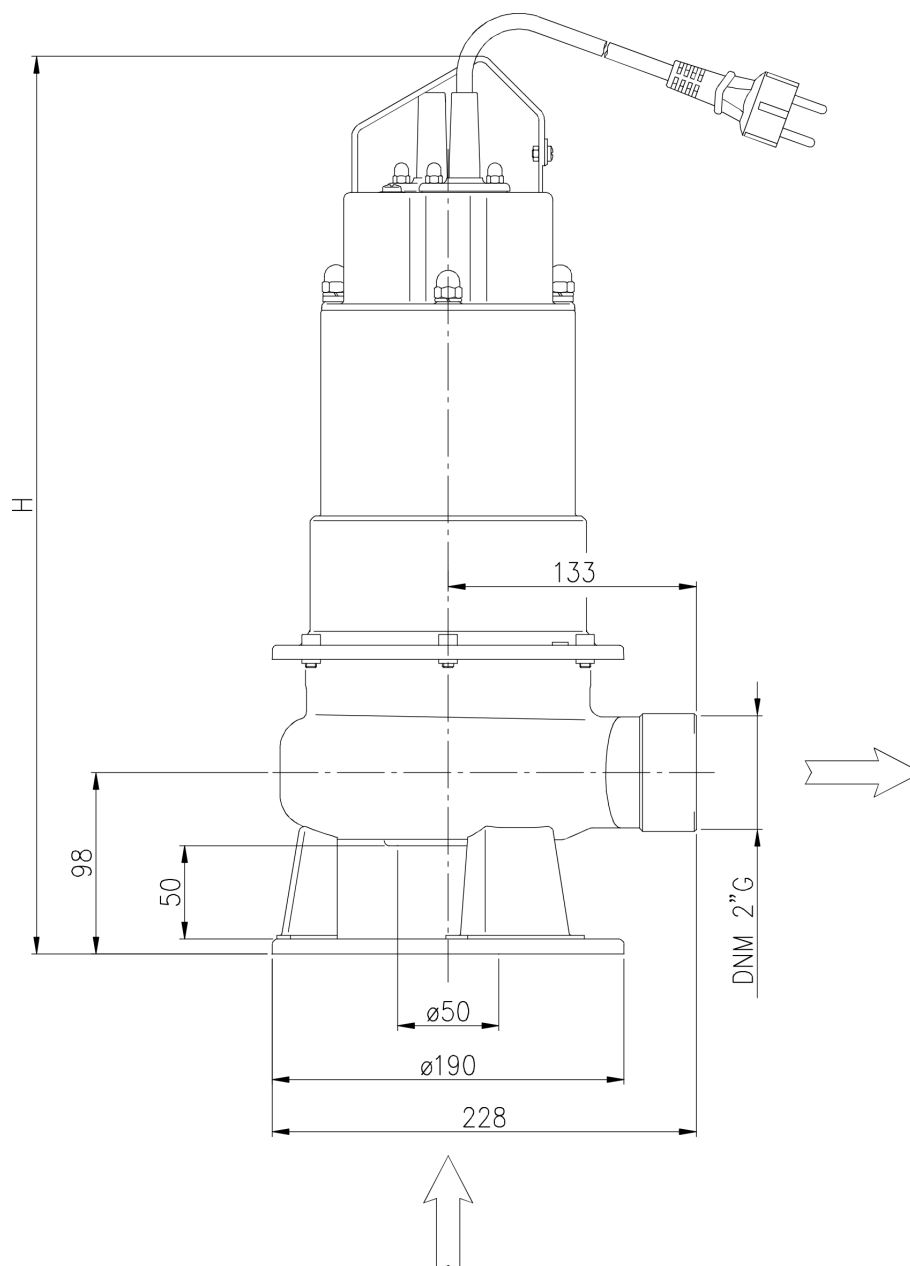
Wasser, rein [100%] ; 20°C; 998,3kg/m³; 1mm²/s



Abmessungen

Pumpenname DW 300

| | | |
|-----------------|-----------------------|-----------|
| Besteller | Datum 26-January-2018 | Firma |
| Ansprechpartner | Art.-Nr. | Issued by |
| Telefon | Projekt | Telefon |
| E-Mail | Projektnummer | E-Mail |

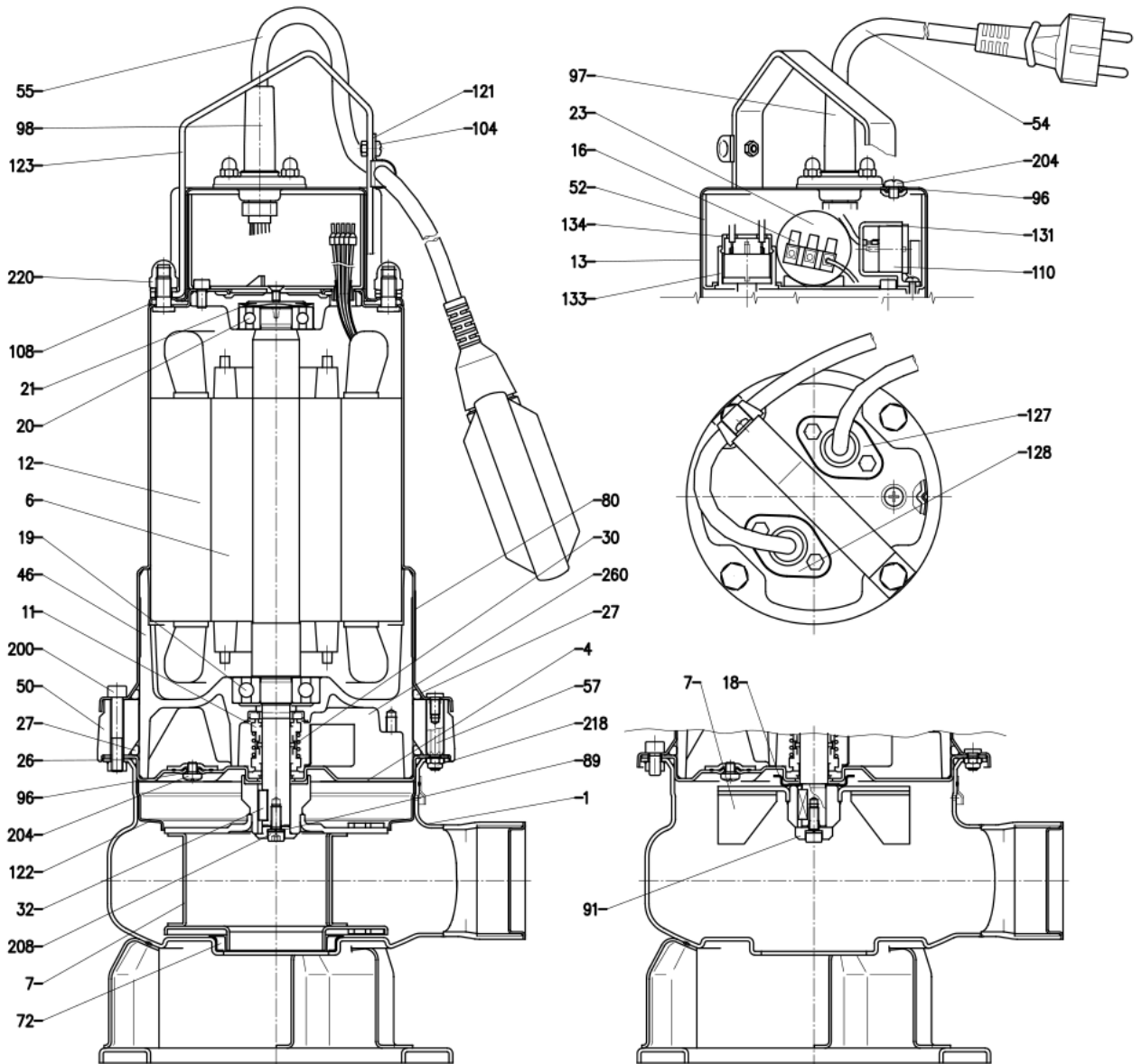


| Abmessungen in mm | | | | | | | |
|-------------------|-------------|---------|--|--|--|--|--|
| 1 | H | 546 | | | | | |
| 2 | Weight PUMP | 25.8 kg | | | | | |

(1/3) Konstruktion

Pumpenname DW 300

| | | |
|-----------------|-----------------------|-----------|
| Besteller | Datum 26-January-2018 | Firma |
| Ansprechpartner | Art.-Nr. | Issued by |
| Telefon | Projekt | Telefon |
| E-Mail | Projektnummer | E-Mail |



(2/3)

Konstruktion

Pumpenname DW 300

| | | |
|-----------------|-----------------------|-----------|
| Besteller | Datum 26-January-2018 | Firma |
| Ansprechpartner | Art.-Nr. | Issued by |
| Telefon | Projekt | Telefon |
| E-Mail | Projektnummer | E-Mail |

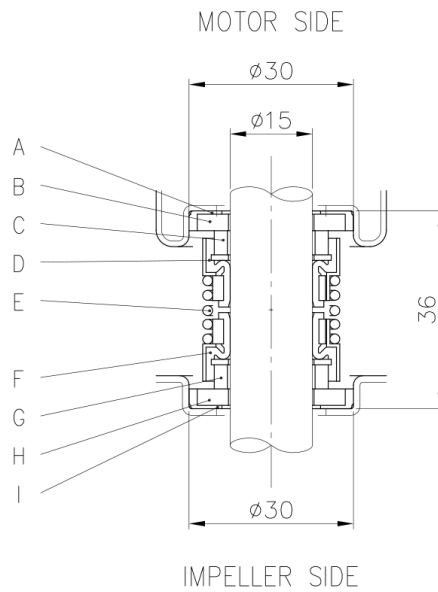
| N° | PART NAME | MATERIAL | Q.TY |
|-----|--------------------------------|---------------------------------------|--------|
| 1 | Casing | AI SI 304 | 1 |
| 4 | Casing cover | AI SI 304 | 1 |
| 6 | Shaft w ith rotor | AI SI 303 | 1 |
| 7 | Impeller | AI SI 304 | 1 |
| 11 | Mechanical seal [8] | SiC/SiC/NBR | 1 |
| 11 | Mechanical seal [8] | Carbon/Ceramic/NBR | 1 |
| 12 | Motor frame w ith stator | - | 1 |
| 13 | Motor cover | AI SI 304 | 1 |
| 16 | Terminal | - | 1 |
| 18 | Mechanical seal protection [1] | AI SI 304 | 1 |
| 19 | Low er side ball bearing | - | 1 |
| 20 | Upper side ball bearing | - | 1 |
| 21 | Adjusting ring | Steel C70 | 1 |
| 23 | Capacitor [2] | - | 1 |
| 26 | O ring | NBR | 1 |
| 27 | O ring | NBR | 1 |
| 27 | O ring [3] | NBR | 1 |
| 30 | Mechanical seal spacer | Brass | 1 |
| 32 | Key | AI SI 304 | 1 |
| 46 | Bearing housing | G20 | 1 |
| 50 | Spacer [3] | G20 | 1 |
| 52 | Terminal insulating box | PA66 glass fibre reinforced class V-0 | 1 |
| 54 | Pow er cable | - | 1 |
| 55 | Float sw itch [4] | - | 1 |
| 57 | Spacer [3] | AI SI 304 | 4 |
| 72 | Casing ring [5] | NBR | 1 |
| 89 | Washer | AI SI 304 | 1 |
| 91 | Washer [1] | AI SI 304 | 1 |
| 96 | O ring | NBR | 3 |
| 97 | Pow er cable entry | NBR | 1 |
| 98 | Floating sw cable entry [4] | NBR | 1 |
| 104 | Cable guard [4] | NBR | 1 |
| 108 | Cover gasket | NBR | 1 |
| 110 | Protector [2] | - | 2 |
| 121 | Support for float sw itch [4] | AI SI 304 | 1 |
| 122 | Impeller protection ring [6] | AI SI 304 | 1 |
| 123 | Handle | AI SI 304 | 1 |
| 127 | Pow er cable connector | AI SI 304 | 1 |
| 128 | Floating sw . cable connector | AI SI 304 | 1 |
| 131 | Support for protector | PA66 glass fibre reinforced | 1 |
| 133 | Support for probe | Aluminium | 1 |
| 134 | Cover for support probe | PA6 | 1 |
| 200 | Screw | Stainless steel A2 UNI 7323 | 6 |
| 204 | Screw | Stainless steel A2 UNI 7323 | 3 |
| 208 | Screw | Stainless steel A2 UNI 7323 | 1 |
| 218 | Nut | Stainless steel A2 UNI 7323 | 4 |
| 220 | Nut | Stainless steel A2 UNI 7323 | 4 |
| 260 | Lubricating liquid | White mineral oil | 348 cc |

- [1] Except for DW-DW VOX 300
- [2] Only for single phase
- [3] Only for DW-DW VOX 300
- [4] Only for single phase with float switch
- [5] Only for DW
- [6] Except for DW VOX 150, 200 and 300
- [7] Only for single phase DW 150
- [8] See CONSTRUCTION 3

(3/3) Konstruktion

Pumpenname DW 300

| | | |
|-----------------|-----------------------|-----------|
| Besteller | Datum 26-January-2018 | Firma |
| Ansprechpartner | Art.-Nr. | Issued by |
| Telefon | Projekt | Telefon |
| E-Mail | Projektnummer | E-Mail |



| REF | PART NAME | MATERIAL |
|-----|------------|-----------------|
| A | Rubber cup | NBR |
| B | Seat | Ceramic |
| C | Seal face | Carbon |
| D | Bellow | NBR |
| E | Spring | AISI 304 |
| F | Bellow | NBR |
| G | Seal face | Silicon carbide |
| H | Seat | Silicon carbide |
| I | Rubber cup | NBR |