

KT



Auftrag: 9970327752  
Werk-Nr. 5-M25-726648  
Processed by: Margrit Kellner

Date:  
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## PUMP TYPE Sewabloc

Sewabloc F 150-315 / 1 G H

### Operating data:

|            |   |                   |     |
|------------|---|-------------------|-----|
| Capacity   | : | m <sup>3</sup> /h | 180 |
| Head       | : | m                 | 8   |
| Pump power | : | kW                | 8.0 |
| NPSH Pump  | : | m                 |     |
| Efficiency | : | %                 | 49  |
| Pump speed | : | 1/min             | 960 |

Pump material is not affected by chemical and mechanical substances.

|                   |   |                    |    |
|-------------------|---|--------------------|----|
| Pumped media temp | : | C                  | 20 |
| Density           | : | kg/dm <sup>3</sup> | 1  |

### Pump Design:

|                     |   |                    |     |
|---------------------|---|--------------------|-----|
| Impeller free pass. | : | mm                 | 120 |
| Impeller diameter   | : | mm                 | 290 |
| Impeller form       | : | Free flow impeller |     |
| Suction branch      | : | axial DN150        |     |

|                     |   |                          |
|---------------------|---|--------------------------|
| Installation method | : | horizontal               |
| Bearings            | : | Rolling element bearings |
| Design wearing      | : | Standard – axial         |
| Discharge branch    | : | radial DN150             |

### Shaft seal:

2 mechanical seals, independent of the direction of rotation  
Material : SiC/SiC (Q1Q1PGG)  
Bellows-NBR

### Material design:

|                    |   |         |
|--------------------|---|---------|
| Pump casing        | : | JL 1040 |
| Impeller           | : | JL 1040 |
| Intermediate cover | : | JL 1040 |
| Bearing bracket    | : | JL 1040 |

|           |   |           |
|-----------|---|-----------|
| Shaft     | : | 1.4021.05 |
| Wear ring | : | VG434     |
| Gaskets   | : | NBR       |

### Motor design:

|                   |   |           |
|-------------------|---|-----------|
| Motor manufacture | : | KSB       |
| IEC – size        | : | 180L      |
| Nominal voltage   | : | V 400     |
| Frequency         | : | Hz 50     |
| Motor power       | : | kW 13,2   |
| Effective speed   | : | 1/min 965 |

|                    |   |                 |
|--------------------|---|-----------------|
| No. of thermistors | : | 3               |
| Construction type  | : | B5/V1           |
| Protection class   | : | IP55            |
| ISO class          | : | F               |
| Availability       | : | Supplied by KSB |
| Explosive – proof  | : | E Exe-          |
| Frequenzy inverter | : | -               |

### Documentation

|   |       |                        |          |   |         |
|---|-------|------------------------|----------|---|---------|
| 1 | Piece | Operation instructions | Language | : | english |
|---|-------|------------------------|----------|---|---------|

Installation parts / spare parts:

Flange drilling to DIN  
Flange spacer piece

Foundation rails & Soleplate  
Fixings :Foundation bolts 4.6

Finish:

Surface treatment as per SA ½ DIN 55928 Part 4

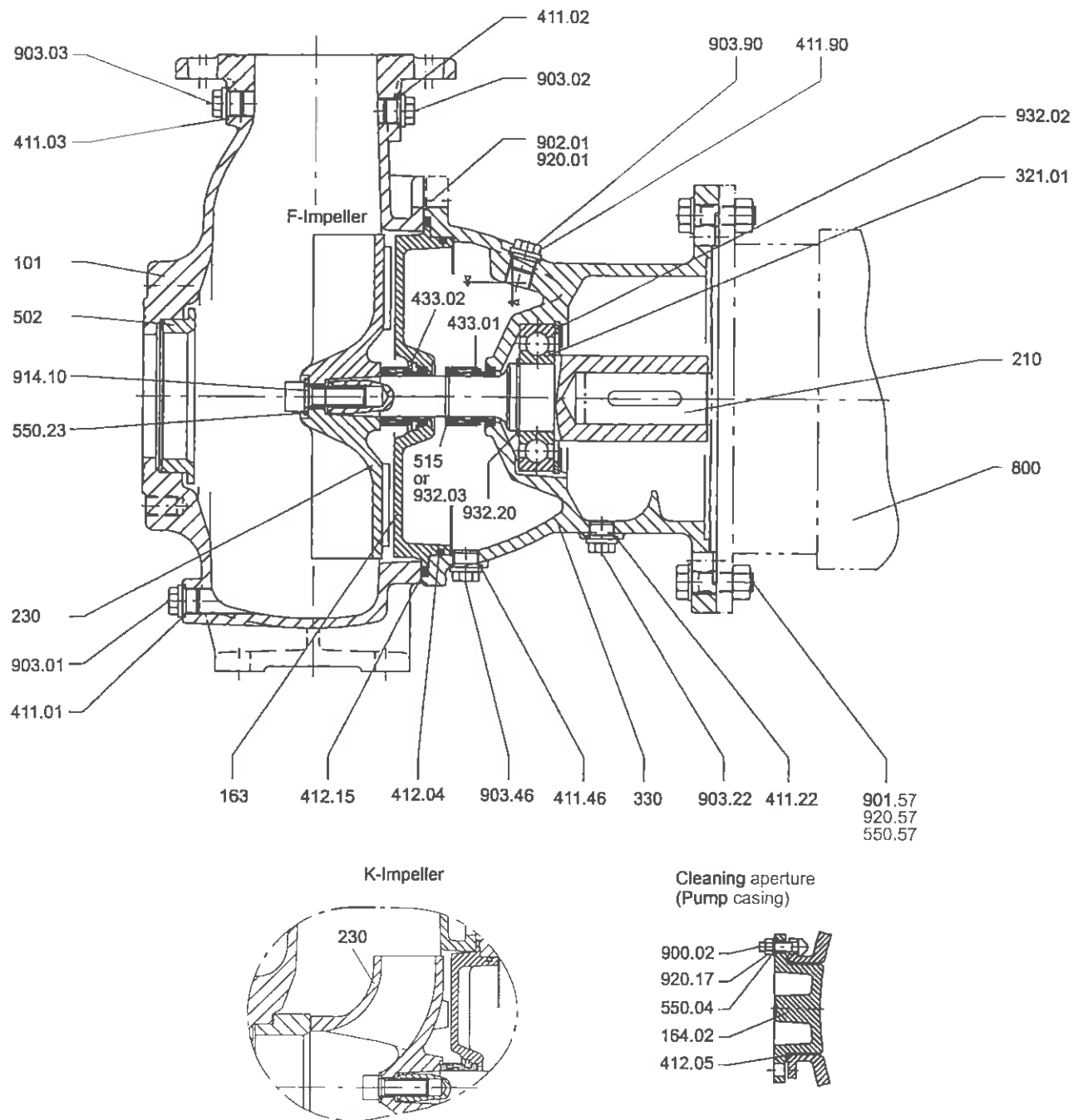
Base: Iron oxide 35 – 40 µm

Top coat: KSB-Standard  
Synthetic resin lacquer  
RAL 5002

Tests:

KSB Standard (Functional Test)

## General drawing of pump with parts list

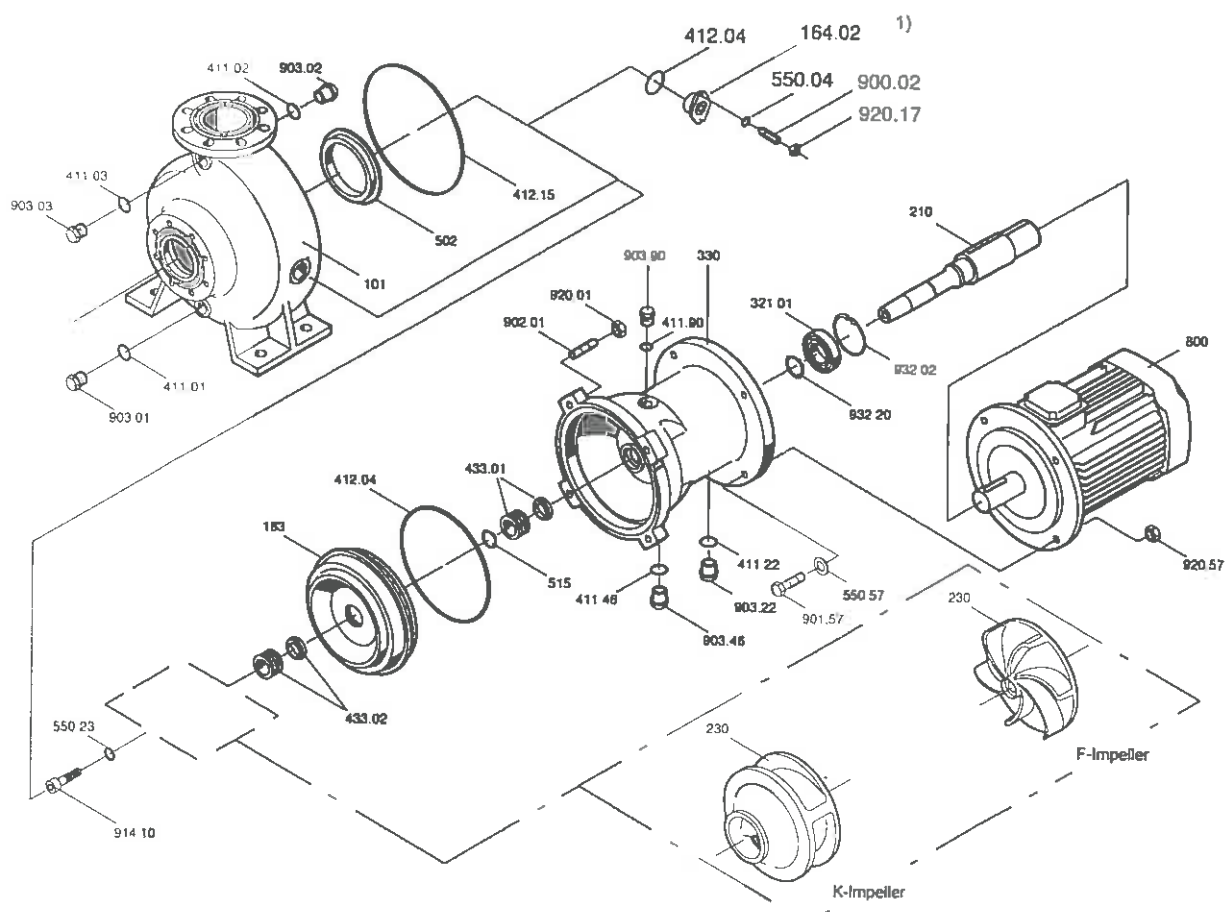


|     |                     |
|-----|---------------------|
| 101 | Pump casing         |
| 163 | Discharge cover     |
| 164 | Inspection cover    |
| 210 | Shaft               |
| 230 | Impeller            |
| 321 | Radial ball bearing |
| 330 | Bearing bracket     |

|     |                  |
|-----|------------------|
| 411 | Joint ring       |
| 412 | O-ring           |
| 433 | Mechanical seal  |
| 502 | Casing wear ring |
| 515 | Taper lock       |
| 550 | Disc             |
| 800 | Motor            |

|     |                            |
|-----|----------------------------|
| 900 | Screw                      |
| 901 | Hexagon head bolt          |
| 902 | Stud                       |
| 903 | Screwed plug               |
| 914 | Hex. socket head cap screw |
| 920 | Nut                        |
| 932 | Circlip                    |

# Exploded View of Pump



1) Cleaning aperture from pump size 100-250 onwards