# **3X KSB PUMPS**







# **3X KSB PUMPS**











# **FLOWROX**

## LPP-D

Flowrox LPP-D peristaltic pumps are ideal for dosing and flow control. They provide accurate dosing in all process conditions as the pump discharge flow does not depend on the pipeline pressure. There is no variation due to the discharge pressure condition, output remains the same on every cycle.



## **FLOWROX**

### LPP-T

Flowrox LPP-T transfer pumps incorporate advanced single roller design which eliminates friction and lowers energy consumption. They are ideal for pumping various slurries and dosing a wide range of abrasive, corrosive, viscous or crystallizing media.



PROCESS DATA	١
Medium/application	1

Aluminium Nitrate (as 60 wt Density of fluid

% aluminium monahydrate)

Medium temperature 20 S.G of solids °C Max allowed ambient temp 50 °C Solid content %w cР

Viscosity Slurry density 1320 kg/m3

Ph Max particle size

**PUMP DESIGN DATA** 

Max operating pressure barg

m3/h at 50 Hz Max flowrate 0.64 Max hose pressure 7.5 bar

m3/h at 47 Hz 0.59 Design flowrate

Min flowrate 0.25 m3/h (if inverter used, but no extra cooling fan 20Hz)

Flow / revolution 0.18 L/rev **EPDM** 

Hose material

Pressure at pump inlet

Casted Aluminum, Epoxy Paint RAL3002 RED, Teknos K18b **Body material** 

Flange drilling standard (connection flange)

**DRIVE DATA** 

SEW Manufacturer Gear Ratio i 23.25 Type FF27 Service factor fb 1.45

59 Output rot, speed rpm M1 Mounting position

MOTOR DATA

ABB M3BP 80MLD 4 Protection class IP65

400 V Supply voltage 3-phase

Supply frequency 50 Hz

Power 0.55 kW

INVERTER **AUXILIARIES** Pressure transmitter T 3 meter wire

Revolution detector R connected frequency

X inverter II Hose leak detector D Special feature description Forced cooling F

#### PUMP MODEL LPP-T40GM10-2-0-N-D, EPDM

**PROCESS DATA** 

Slurry (62wt% mixed metals Density of fluid Medium/application nitrates) & Denim Water

Medium temperature 80 °C S.G of solids Max allowed ambient temp 50 °C Solid content %w 8.4 cP

1620 kg/m3 Viscosity Slurry density Ph

Max particle size

**PUMP DESIGN DATA** 

Max operating pressure barg

8.25 m3/h at 50 Hz Max flowrate Max hose pressure 10 bar

7.49 m3/h at 46 Hz Design flowrate

Min flowrate 3.30 m3/h (if inverter used, but no extra cooling fan 20Hz) L/rev

Flow / revolution 1.25 **EPDM** 

Hose material Pressure at pump inlet

Red, RAL3002EN 12944-5 A3.08/C3/M epoxy paint or powder coating **Body material** 

DIN PN 16 Flange drilling standard (connection flange)

DRIVE DATA

Gear Ratio i 13.25 Manufacturer SEW KF57 Service factor fb 1.95 Type

Output rot. speed 110 rpm Mounting position M<sub>1</sub>B

MOTOR DATA

ABB M3BP 100LKB 4 IP55 Protection class

Supply voltage 400 V 3-phase

Supply frequency 50 Hz

kW Power 3

**AUXILIARIES** INVERTER

3 meter wire connected Pressure transmitter T Revolution detector R frequency inverter II Hose leak detector D Forced cooling F Special feature description

#### **PUMP MODEL** LPP-T32GM10-3-0-N-D, EPDM PROCESS DATA Medium/application Cobalt Nitrate (as 64 wt% Density of fluid cobalt hexahydrate) Medium temperature 20 S.G of solids °C cP 50 Solid content %w Max allowed ambient temp 1420 kg/m3 Viscosity Slurry density Ph Max particle size **PUMP DESIGN DATA** Max operating pressure 5 barg Max flowrate 2.56 m3/h at 50 Hz Max hose pressure bar Design flowrate 2.51 m3/h at 50 Hz Min flowrate 1.02 (if inverter used, but no extra cooling fan 20Hz) m3/h Flow / revolution 0.87 L/rev Hose material **EPDM** Pressure at pump inlet Red, RAL3002EN 12944-5 A3.08/C3/M epoxy paint or powder coating **Body material** Flange drilling standard (connection flange) DIN PN 16 DRIVE DATA Manufacturer SEW Gear Ratio i 29.32 KF47 Service factor fb 1.35 Type Output rot. speed 49 грт M<sub>1</sub>R Mounting position

Supply frequency 50 Hz

Power 1.50 kW

AUXILIARIES INVERTER

IP55

400 V

Pressure transmitter T 3 meter wire connected Revolution detector R frequency inverter II Hose leak detector D Forced cooling F Special feature description

PUMP MODEL

LPP-D25GM7.5-R1"-3-N, EPDM

1190 kg/m3

ABB M3BP 90LD 4

3-phase

**PROCESS DATA** 

MOTOR DATA Protection class

Supply voltage

Lithium Nitrate (30 wt%) Medium/application Density of fluid Medium temperature °C S.G of solids 20 °C Max allowed ambient temp 50 Solid content %w cP Viscosity Slurry density Ph

Max particle size

**PUMP DESIGN DATA** 

Max operating pressure 5 barg

Max flowrate 1.33 m3/h at 50 Hz 7.5 bar Max hose pressure Design flowrate 1.27 m3/h at 48 Hz

Min flowrate 0.53 m3/h (if inverter used, but no extra cooling fan 20Hz)

3-phase

Flow / revolution 0.3 L/rev **EPDM** Hose material

Pressure at pump inlet

Casted Aluminum, Epoxy Paint RAL3002 RED, Teknos K18b **Body material** 

Flange drilling standard (connection flange)

DRIVE DATA

Manufacturer SEW Gear Ratio i 19.27 FAF37 Service factor fb 1.40 Type

74 Output rot, speed rpm Mounting position M1

MOTOR DATA

Supply voltage

ABB M3BP 90LC 4 Protection class IP55

Supply frequency 50 Hz

kW Power 1.10

**AUXILIARIES** INVERTER

400 V

Pressure transmitter T 3 meter wire connected Revolution detector R frequency inverter II Hose leak detector D Forced cooling F Special feature description

1340 kg/m3

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Medium/application	Mixed Metal Nitrates		Density of fluid
Medium temperature	15	°C	S.G of solids
Max allowed ambient temp	50	°C	Solid content %w
Viscosity	4	cP	Slurry density

Ph Max particle size

### **PUMP DESIGN DATA**

Max operating pressure Max flowrate 4 barg

m3/h at 50 Hz Max hose pressure 10 bar

2.4 2.18 Design flowrate m3/h at 46 Hz

Min flowrate 0.96 (if inverter used, but no extra cooling fan 20Hz) m3/h

Flow / revolution 0.87 L/rev **EPDM** 

Hose material Pressure at pump inlet

Red, RAL3002EN 12944-5 A3.08/C3/M epoxy paint or powder coating **Body material** 

Flange drilling standard (connection flange) DIN PN 16

### DRIVE DATA

Manufacturer SEW Gear Ratio i 31.30 KF47 Service factor fb 1.30 Type 46 rpm

Output rot. speed Mounting position M1B

### MOTOR DATA

ABB M3BP 90LD 4 Protection class IP55

Supply voltage Supply frequency 400 V 3-phase

50 Hz Power kW

1.50

**AUXILIARIES** INVERTER

Pressure transmitter T 3 meter wire connected frequency inverter II Forced cooling F Revolution detector R Hose leak detector D