

DuoEX™ Dual-line Lubrication System

DuoEX

■ DuoEX Dual-line Lubrication Pump Unit



✧ Product Description

DuoEX™ series electric lubrication pump is a stable and reliable high-pressure plunger dual-line grease pump, with a maximum working pressure of up to 400 bar.

This lubrication pump is widely used in various mechanical equipment fields such as metallurgy, mining, port machinery, forging, rubber and plastics, building materials, and lifting.

This dual-line grease lubrication pumps have 3 displacement options available, which can meet the different lubrication oil requirements of various equipment and working conditions to the greatest extent.

✧ Technical Data

<i>Delivery volume</i>	180 ml/min	300 ml/min	540 ml/min
<i>Rated Power</i>	0.37 kW		0.55 kW
<i>Power Supply</i>	AC 380V/50 Hz		
<i>IP Class</i>	IP 54		
<i>Pump Outlet</i>	G 3/4		
<i>Return Outlet</i>	G 3/4		
<i>Working Pressure</i>	Max. 400 bar		
<i>Tank Capacity</i>	30, 60, 100 L		
<i>Refilling Port</i>	G 3/4 and/or top lid		
<i>Lubricant</i>	NLGI 0, 1, 2		
<i>Working Temperature</i>	-25 °C ~ +80 °C		
<i>Mounting</i>	Vertical		

✧ Product Features

1. Strong and stable AC motor.
2. Suitable for harsh working conditions with max. working pressure up to 400 bar.
3. Metallic pump body and reservoir increases the strength.
4. Powerful built-in dual parallel pump cartridge design delivers higher pumping capacity.
5. Optional modular directional valve assembly provides compact piping layout.

■ DuoEX Dual-line Lubrication Pump Part Number

DEP 18 03 L A38

DuoEX series pump station

Delivery volume

18: 180 ml/min

30: 300 ml/min

54: 540 ml/min

Tank capacity

03: 30L

06: 60L

10: 100L

Level alarm

N: No

L: Yes

LV: Yes, with 5m cable

Mechanical directional valve

Blank: No

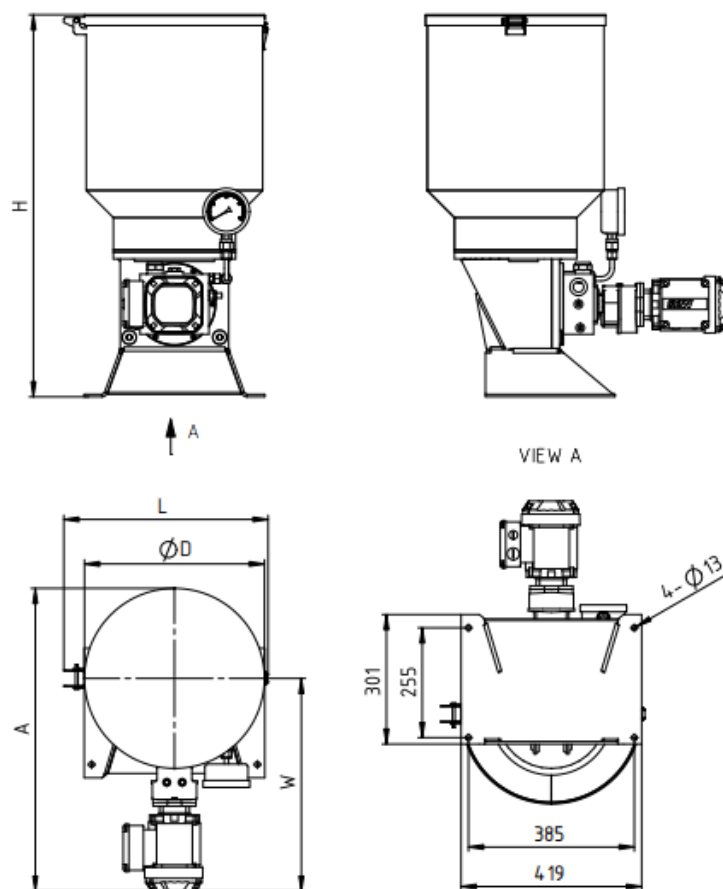
XV: Integrated

Power supply

A38: AC 380V / 50Hz, cable gland

A38V: AC 380V / 50Hz, cable gland, with 5m cable

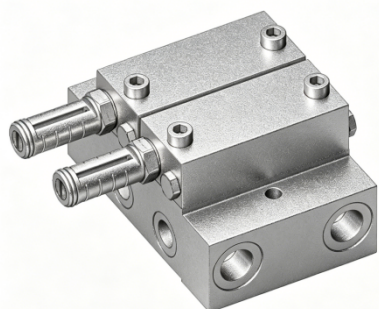
■ DuoEX Dual-line Lubrication Pump Unit Dimension



Model	Tank Capacity (L)	Power Supply	Rated Power	A (mm)	H (mm)	L (mm)	W (mm)	Ø D (mm)
DEP1803 ...	30	AC 380V/50Hz	0.37 kW	660	770	395	495	332
DEP1806 ...	60			705	890	475		418
DEP1810 ...	100			750	985	570		506
DEP3003 ...	30			660	770	395		332
DEP3006 ...	60			705	890	475		418
DEP3010 ...	100			750	985	570		506
DEP5403 ...	30		0.55 kW	705	770	395	540	332
DEP5406 ...	60			750	890	475		418
DEP5410 ...	100			795	985	570		506

■ DFM Dual-line Divider

✧ Technical Data



Working Pressure	Max. 350 bar
Working Temperature	-30 °C ~ +80 °C
Displacement	0.1 ~ 3 cm ³ , adjustable
Inlet Thread	G 3/8
Outlet Thread	G 1/4
Outlet Quantity	1 ~ 12
Lubricant	NLGI 0, 1, 2

✧ Product Description

The DFM dual-line divider is a modular designed dual-line divider that can have up to 6 metering modules. It can be applied to the needs of any lubrication scenario.

Each module of this dual-line divider can independently adjust the grease output, and a visual indicator at each outlet is standard configuration, enabling monitoring functions.

■ DFM Dual-line Divider Part Number

DFM - 4 - T/T/S/T - M

DFM series dual-line divider _____

Quantity of metering blocks _____

- 1: 1 metering block
- 2: 2 metering blocks
- 3: 3 metering blocks
- 4: 4 metering blocks
- 5: 5 metering blocks
- 6: 6 metering blocks

Metering blocks model _____

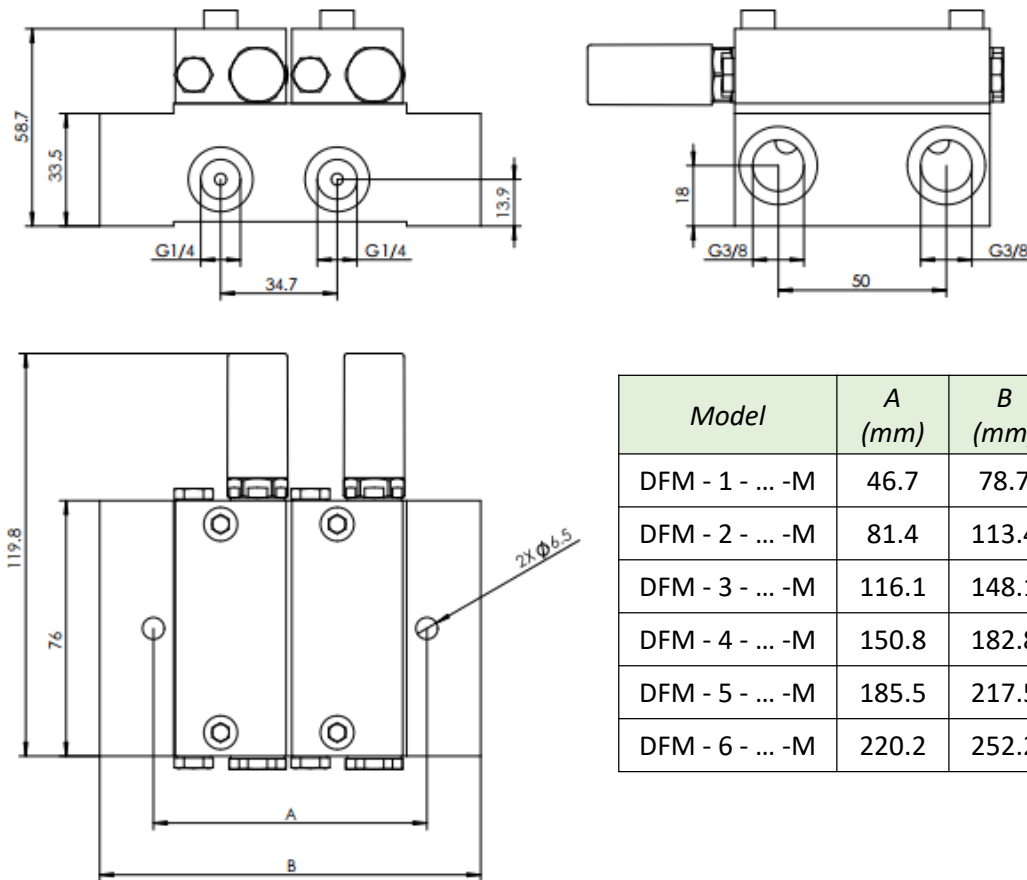
- T: 2 outlets, 0.1 ~ 3 cm³/stroke/outlet, adjustable
- S: 1 outlet, 0.2 ~ 6 cm³/stroke/outlet, adjustable

Blockage monitor _____

- M: Visual indicator ¹⁾

1) Standard configuration, not optional item.

■ DFM Dual-line Divider Dimension



■ DFB Dual-line Divider

✧ Technical Data



Working Pressure	Max. 400 bar
Working Temperature	-30 °C ~ +80 °C
Displacement	0 ~ 2 cm ³ , adjustable
Inlet Thread	G 1/4
Outlet Thread	G 1/4
Outlet Quantity	1 ~ 8
Lubricant	NLGI 0, 1, 2

✧ Product Description

The DFB dual-line divider is a block designed dual-line divider that can have up to 8 outlets. It can be applied to the needs of any lubrication scenario. Each outlet of divider can independently adjust the grease output, and a visual indicator at each outlet is standard configuration, enabling monitoring functions.

■ DFB Dual-line Divider Part Number

DFB - 4 - M

DFM series dual-line divider

Quantity of outlet

2: 2 outlets

4: 4 outlets

6: 6 outlets

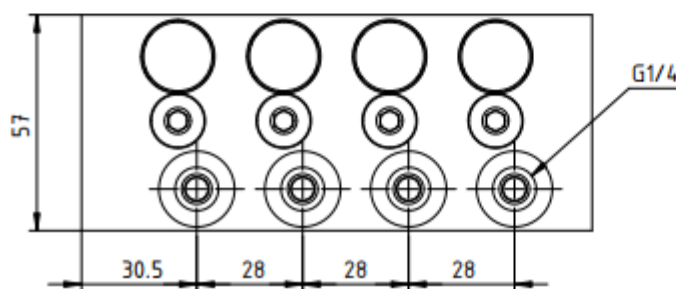
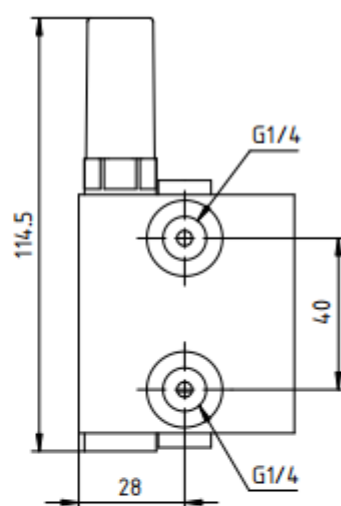
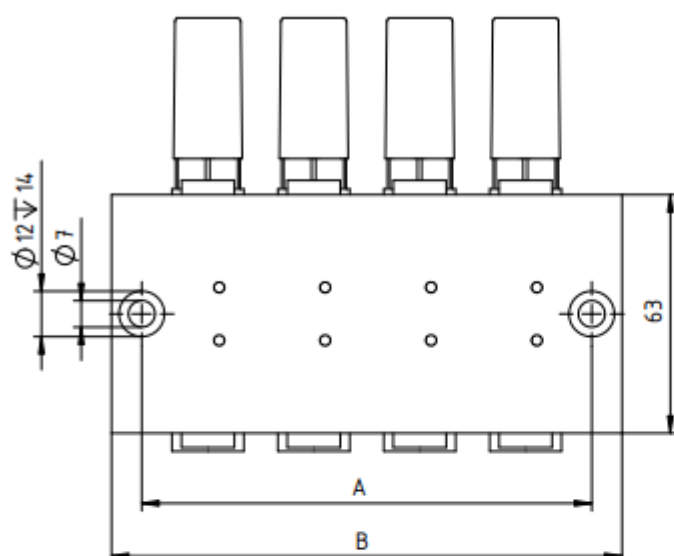
8: 8 outlets

Blockage monitor

M: Visual indicator¹⁾

1) Standard configuration, not optional item.

■ DFB Dual-line Divider Dimension



Model	A (mm)	B (mm)
DFB - 2 - M	35	51
DFB - 4 - M	63	79
DFB - 6 - M	91	107
DFB - 8 - M	119	135

■ XV-250 Directional Valve

✧ Technical Data



Working Pressure	130 ~ 250 bar, adjustable
Preset Pressure	150 bar
Working Flow	18 L/min
Inlet Thread	G 1/4
Outlet Thread	G 1/4
Relief Port Thread	G 1/4
Lubricant	NLGI 0, 1, 2

✧ Product Description

The XV mechanical directional valve is an essential core component in a dual-line lubrication system. Its maximum switching pressure is 250 bar.

The directional valve can be directly installed with LEP dual-line pump unit or installed in the main pipes on the site. When installation, anyone of two relief ports can be used in term of site situation.

Its function is that when the lubrication pump is operating, it can alternately switch the two main pipelines to be supply pipes or return pipes, thereby ensuring that the entire dual-line lubrication system can operate normally and achieve lubrication functionality.

■ XV-250 Directional Valve Dimension

