



MultiExpert™ Multiline Lubrication System

MultiExpert

■ MEP Multi-line Lubrication Pump Unit



✧ Product Description

MultiExpert™ series electric multi-line pump unit is a multi-plunger working pump with a maximum operating pressure of 350 bar. This pump is widely used in various machinery and equipment sectors such as metallurgy, mining, port machinery, forging, rubber and plastic, building materials, and lifting, as well as in special application areas like ships and ship locks.

The multi-line lubrication pump has up to 15 outlets to choose, and the displacement of each outlet can be adjusted by regulating the penetration amount of the screw sleeve.

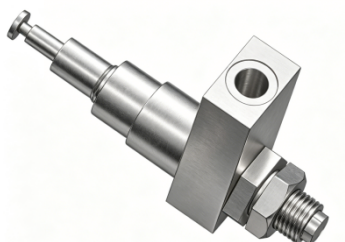
✧ Technical Data

Power Supply	AC 380V/50 Hz
Rated Power	0.55 kW
Power Socket	Wiring connection
IP Class	IP 55
Qty. of Pump Element	15
Port Thread	M22x1.5
Working Pressure	Max. 350 bar
Tank Capacity	10, 30 L
Refilling Port	Top lid
Lubricant	NLGI 0, 1, 2
Working Temperature	-20 °C ~ +70 °C
Mounting	Vertical

✧ Product Features

1. Strong and stable power: AC motor.
2. Suitable for harsh working conditions: maximum working pressure up to 350 bar.
3. Die-cast aluminum alloy pump body: increased the pump strength.
4. Maximum 15 outlets and adjustable pump element: providing more pump elements combination and lubrication circuits with different grease consumption needs.

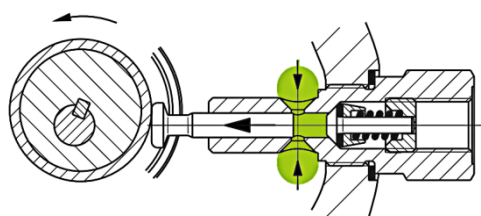
■ IBY-7A Pump Element



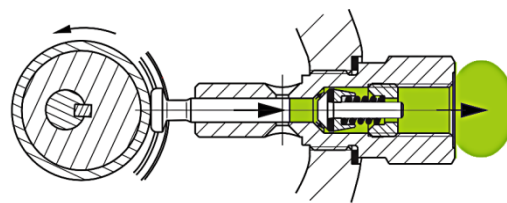
✧ Product Description

The IBY-7A pump elements is all plunger-type part which are dragging by eccentric wheel. The pump element has adjusting screw to adjust the displacement of each stroke. It can conveniently adjust the grease output during the operation of the lubrication system to meet needs. It's designed with a simple structure and easy to install and replace.

✧ Work Principle



Suction phase



Delivery phase

✧ Technical Data

Model	Type	Reset Force	Displacement (cm ³ /stroke)	Max. Working Pressure (bar)	Mounting Thread	Outlet
IBY-7A	Adjustable	Dragging	0.06 ~ 0.23	350	M22x1.5	G 1/4

■ MEP Multi-line Lubrication Pump Part Number

MEP15 30 N R1 X9 A38 - 000111111111000

MultiExpert 15 series pump station

Tank capacity

10: 10L

30: 30L

Low level alarm

N: No

L: Yes

LV: Yes, with 5m cable

Gearbox ratio

R1: 50:1

R2: 100:1

Quantity of IBY-7A pump element

X0: No pump element

X1: 1 pump element installed

X2: 2 pump elements installed

X3: 3 pump elements installed

X4: 4 pump elements installed

X5: 5 pump elements installed

X6: 6 pump elements installed

X7: 7 pump elements installed

X8: 8 pump elements installed

X9: 9 pump elements installed

X10: 10 pump elements installed

X11: 11 pump elements installed

X12: 12 pump elements installed

X13: 13 pump elements installed

X14: 14 pump elements installed

X15: 15 pump elements installed

Power supply

A38: AC 380V / 50Hz, 1380 rpm, cable gland

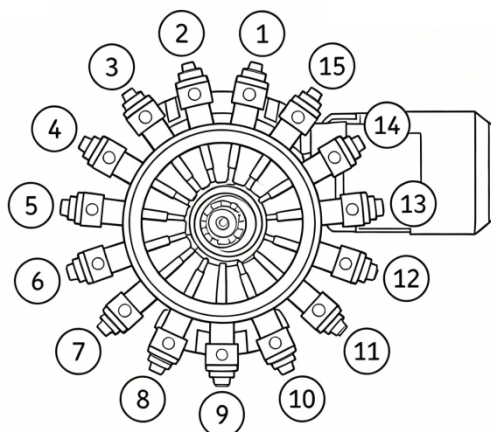
A38V: AC 380V / 50Hz, 1380 rpm, cable gland, with 5m cable

Pump element *

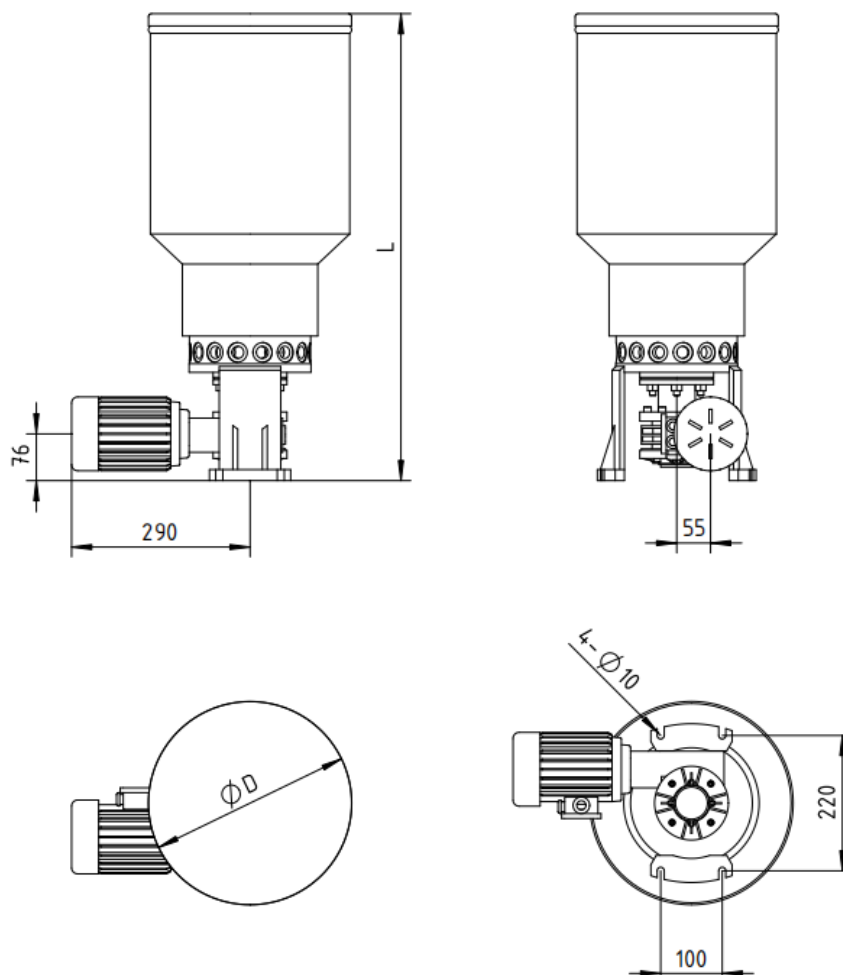
0: No 1: IBY-7A pump element, 0.06 ~ 0.23 cm³/stroke adjustable

* The sequence is counterclockwise based on the pump top view. Please refer to below picture.

Pump element positioning



■ MEP Multi-line Lubrication Pump Unit Dimension



Model	Power Supply	Tank Capacity (L)	L (mm)	ϕD (mm)
MEP1510 ...	AC 380V/50Hz	10	480	220
MEP1530 ...	AC 380V/50Hz	30	800	330

■ PFG Progressive Divider



✧ Product Description

The PFG series progressive divider has a modular structure, with each block locked together by fastening bolts. Its dimensions are much bigger than PFM & PFMS dividers. The PFG divider consists of four parts: a head block, several intermediate blocks, several metering blocks and an end block. The head block, intermediate block and end block are standard configurations, while selecting different metering blocks. It can be freely selected and combined as needed.

However, the total number of metering blocks must be at least 3 (for 6 outlets) and no more than 10 (for 20 outlets). The PFG divider is available in 16 displacements with a maximum operating pressure of 250 bar.

■ PFG Progressive Divider Part Number

PFG - 3/4 - 625T/625T/155S - E

PFG series progressive divider _____

Quantity of metering blocks / outlet _____

X / Y: X metering blocks / Y outlets

X: Any number between 3 and 10

Y: Any number between 1 and 20

Metering blocks model ¹⁾ _____

100T: 2 outlets and 0.100 cm³/stroke/outlet

155T: 2 outlets and 0.155 cm³/stroke/outlet

225T: 2 outlets and 0.225 cm³/stroke/outlet

305T: 2 outlets and 0.305 cm³/stroke/outlet

400T: 2 outlets and 0.400 cm³/stroke/outlet

505T: 2 outlets and 0.505 cm³/stroke/outlet

625T: 2 outlets and 0.625 cm³/stroke/outlet

755T: 2 outlets and 0.755 cm³/stroke/outlet

100S: 1 outlets and 0.200 cm³/stroke/outlet

155S: 1 outlets and 0.310 cm³/stroke/outlet

225S: 1 outlets and 0.450 cm³/stroke/outlet

305S: 1 outlets and 0.610 cm³/stroke/outlet

400S: 1 outlets and 0.800 cm³/stroke/outlet

505S: 1 outlets and 1.010 cm³/stroke/outlet

625S: 1 outlets and 1.250 cm³/stroke/outlet

755S: 1 outlets and 1.510 cm³/stroke/outlet

Blockage monitor ²⁾ _____

Blank: No

M: Visual indicator

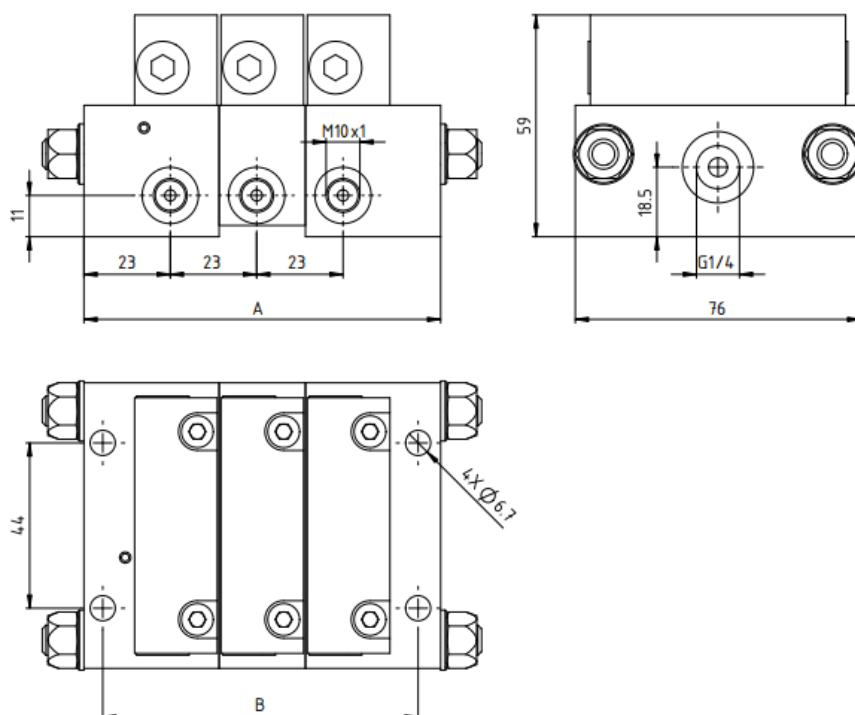
E: Piston detector, DC 24V, PNP NO

EV: Piston detector, DC 24V, PNP NO, with 5m cable

1) When selecting the metering blocks, the first one is the one after head block and others are selected in sequence.

2) "M" is not available for metering block of "100T", "100S", "155T" and "155S".

■ PFG Progressive Divider Dimension



Model	L1 (mm)	L2 (mm)
PFG-3/ -...	84	95
PFG-4/ -...	107	118
PFG-5/ -...	130	141
PFG-6/ -...	153	164
PFG-7/ -...	176	187
PFG-8/ -...	199	210
PFG-9/ -...	222	233
PFG-10/ -...	245	256

