

BARREL-MOUNTED LUBRICATION PUMP

BPO

APPLICATION

BPO lubrication pumps are used as sources of pressurised lubricants central lubrication systems fitted with progressive distributors; in systems of circulating oil lubrication; and as filling devices for replenishing any lubrication device (63 Z2, UCF, 12 T1, and others) in the course of operation. They are also used on their own for the lubrication of extensive circuits with a considerable number of lubricated points.

The lubrication pumps are delivered with standard barrels of 20, 60 and 200 litres volume. The nominal output is 13 dm³/min. and maximum working pressure 30 bar. The BPO pumps are pneumatically driven, the supply air pressure is from 4 to 8 bar.

DESCRIPTION

The basic component of the BPO lubrication pump is the body of the pumping unit, connected to the suction hose of length according to the barrel size so that the device is a compact unit. The barrel is fitted with a sealing cover attached to the barrel with 3 adjustable screws. The pump proper is attached to the cover with a round nut. For continuous operation, it is recommended to provide the air supply with a pressure reducing valve fitted with a pressure gauge, condensing mud trap, and lubricator. In the case where the lubrication pump is used as a hand-operated filler, the outlet is fitted with a lubricating gun with its hose and terminals.

OPERATION

The barrel-mounted lubrication pump is driven by the supplied air pressure. Incorporated before the pump intake is the filter, separator and air pressure regulator (included in the delivered accessories). The supplied air is automatically diverted by the distributor to alternating sides of the drive piston, which causes the reciprocating motion. This motion is mechanically transmitted to the working pump piston. The by-pass piston and suction valve mechanism makes the sucked oil pass over the piston and move it to the outlet of the lubrication pump.

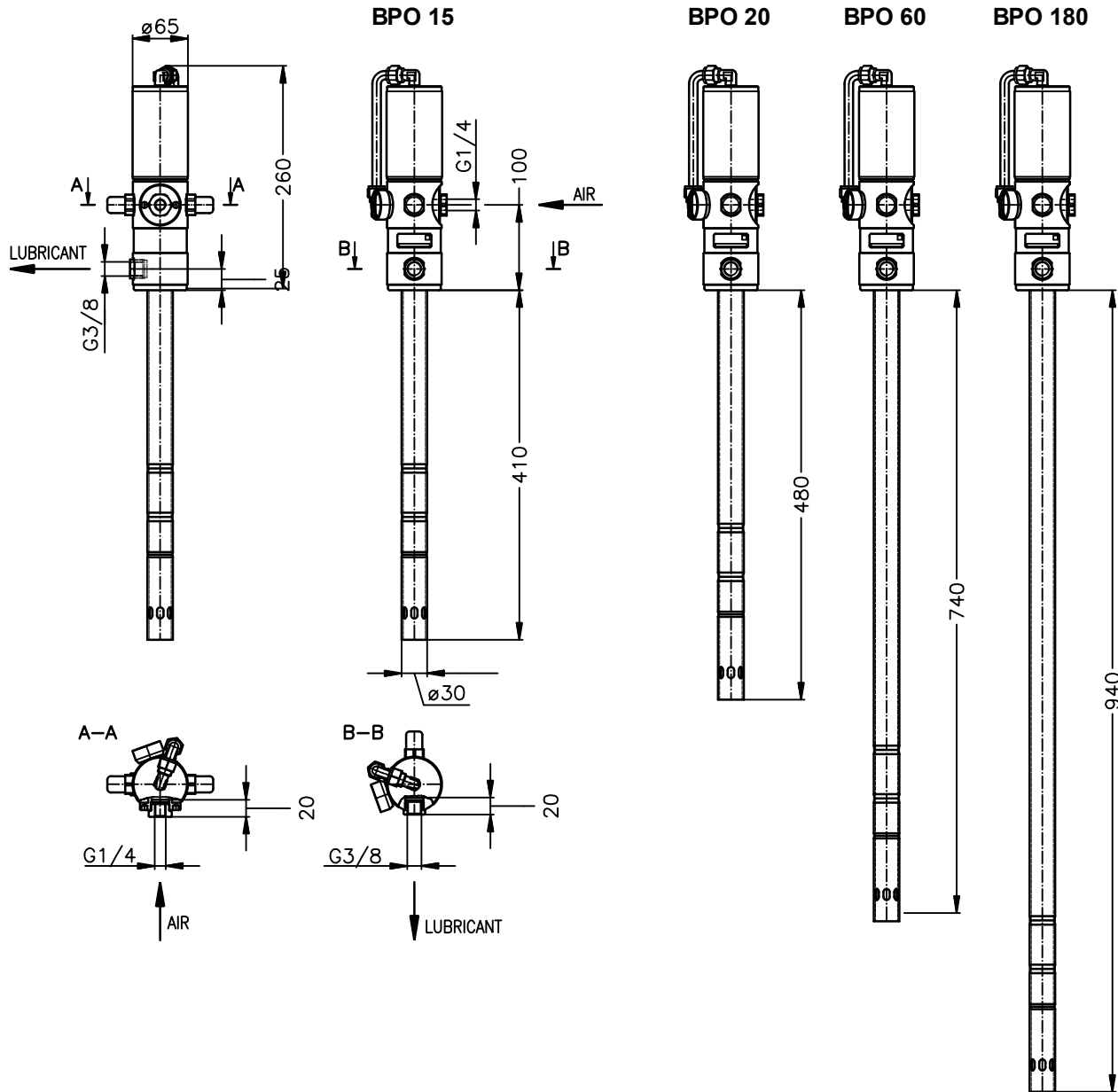
SERVICE AND MAINTENANCE

Place the barrel-mounted lubrication pump on a horizontal concrete or steel base. Close the barrel with the cover and install the lubrication pump in it. Attach the pump to the cover with the round nut. Then connect the lubrication pump to the pressurised air supply. Put the lubrication pump into operation check that it runs quietly and smoothly. When the lubricant exits continuously and free of bubbles, close the outlet by connecting it to the outlet piping to the lubrication circuit.

Except for the replenishment of lubricant (replacement of barrels), the lubrication pump does not require any maintenance. For continuous operation, it is recommended to check the lubrication circuit connections for tightness every three months.

TECHNICAL DATA

Maximum pressure	40 bar
Working pressure	30 bar
Nominal supplied quantity	13 dm ³ /min.
Lubricant reservoir capacity	20, 60, 200 dm ³
Number of outlets	1
Outlet pipe union	G3/8" (inside thread)
Air pressure	4 to 8 bar
Pressure air consumption	max. 180 dm ³ /min.
Pressure air supply	G1/4" (inside thread)
Lubricant	oil
Temperature of working environment	-25 to 60°C
Weight	8 kg (without barrel)



Name	BARREL LUBRICATION PUMP	
Type	BPO	
Code		
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