

DOSING PUMP BM5



DATA SHEET



30812712_GB_V01

DOSING PUMP BM5

The BM5 metering pump is a compact lubrication system with a 24V motor. It is designed to supply one to five lubrication points directly with lubricant, at a maximum rate of one lubrication cycle per minute. It is equipped with a level monitor that emits a warning signal when the lubricant level is low.

The pump can be converted to supply lubricant to 1 to 5 lubrication points. Optionally, all outlets can be connected to a single outlet (collector plate).



APPLICATIONS

- For lubricating guideways on machine tools
- For lubricating swivel joints on machine tools
- For lubricating bearing seats

ADVANTAGES

- The pump can be modified to supply lubricant to 1 to 5 lubrication points.
- Optionally, all outlets can be connected to a single outlet (collection plate).
- Low lubricant level warning

CHARACTERISTICS

VOLTAGE:
24 V DC

FLOW RATE PER OUTLET:
60 mm³/Stroke

FLOW RATE FOR THE COLLECTOR
PLATE:
300 mm³/Stroke

MAXIMUM DELIVERY PRESSURE:
70 bar

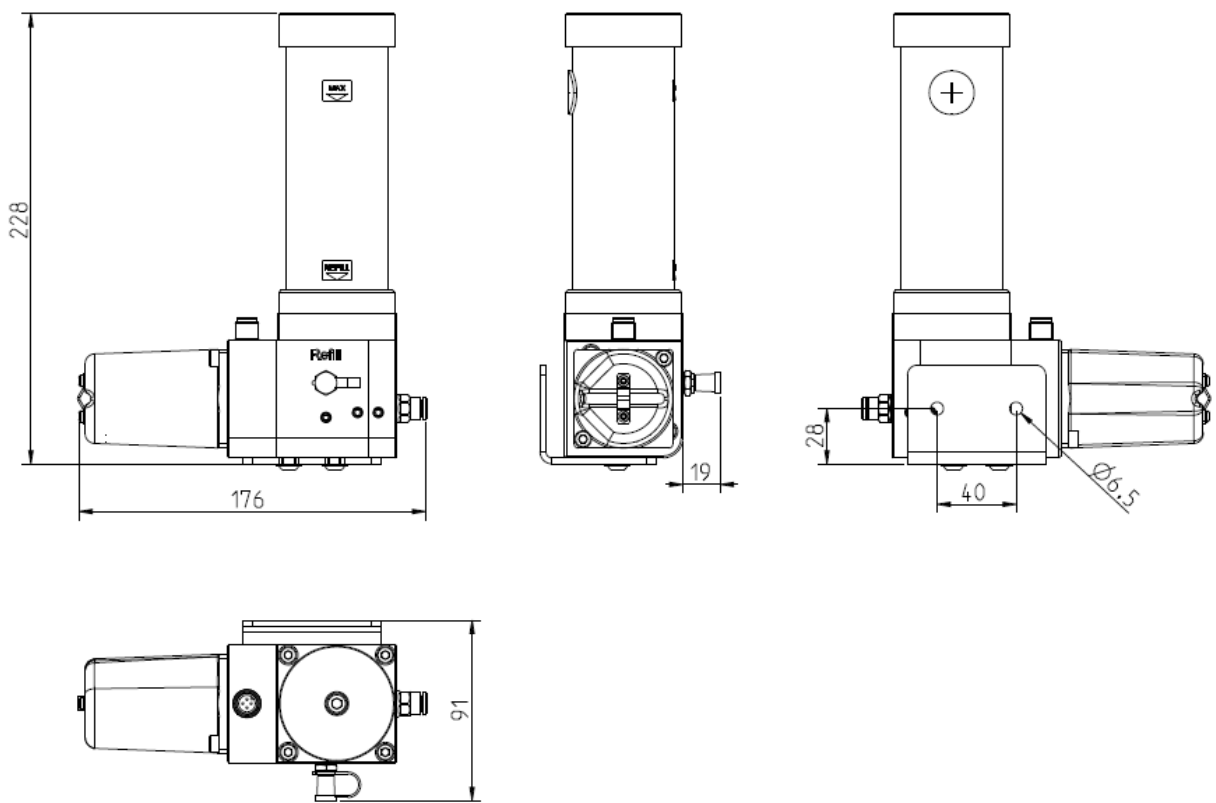
MOUNTING BRACKET

LOW LUBRICANT LEVEL WARNING

GENERAL TECHNICAL SPECIFICATIONS

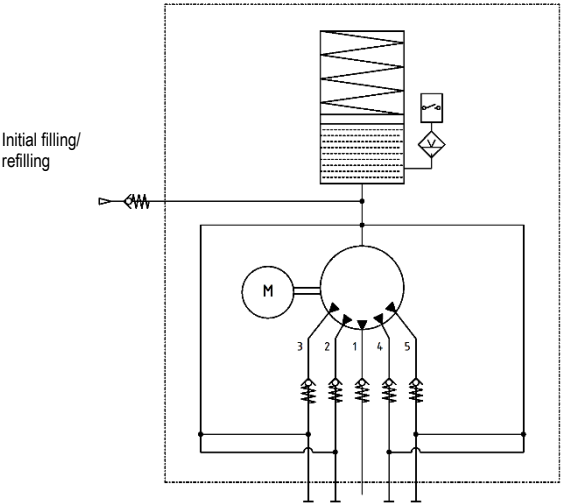
TYPE OF DRIVE	Electromechanical
SUPPLY VOLTAGE	24 V DC
CONNECTION	M12X1 plug connector
FLOW RATE PER OUTLET	60 mm ³ /Stroke
FLOW RATE FOR COLLECTING PLATE	300 mm ³ /Stroke
MAXIMUM OPERATING PRESSURE	70 bar
OPERATING MEDIUM	Grease NLGI 2
PRE-FILLING WITH APPROX. 30 ML	Grease NLGI 2
LUBRICATION LINE CONNECTION	Pipe connection Ø 6 mm
FILLING	Filling nipple acc. DIN 71412
TANK CAPACITY	Approx. 180 ml
AMBIENT TEMPERATURE	Storage/transport: +10° to 45°C // Operation: +10° to 45°C
ENVIRONMENTAL CONDITIONS	Storage/transport: 5 % - 60 % at 25 °C, dry, roof over, waterproof Operation: 5 % - 60 % at 25 °C, dry, roof over, waterproof
MOUNTING POSITION	Vertical
MASS	Approx. 1,5 kg
PROTECTION CLASS ACCORDING TO EN 60529	IP54

DIMENSIONS

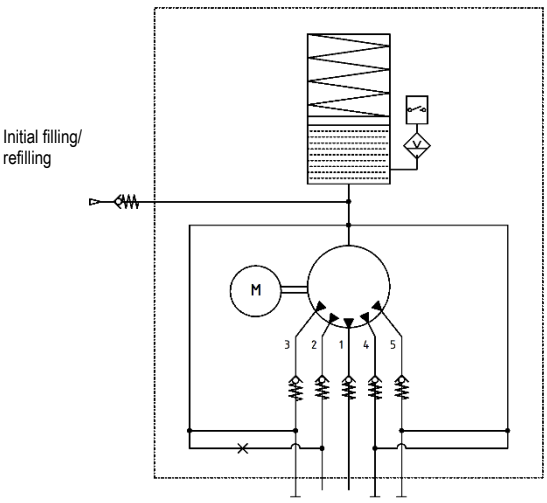


FLUIDPLAN

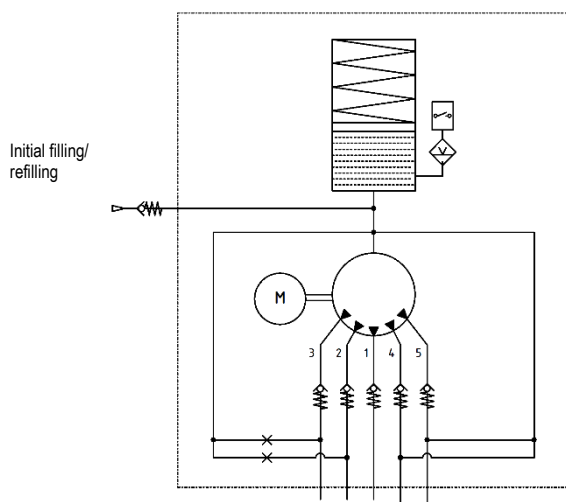
1 outlet



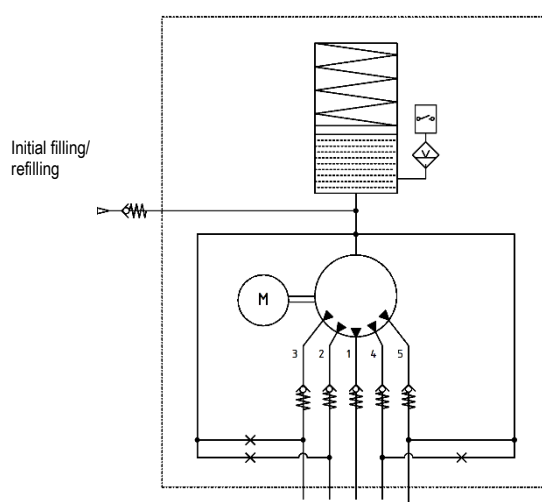
2 outlets



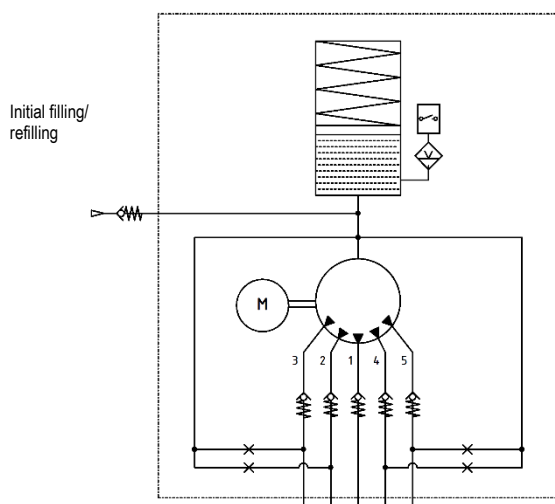
3 outlets



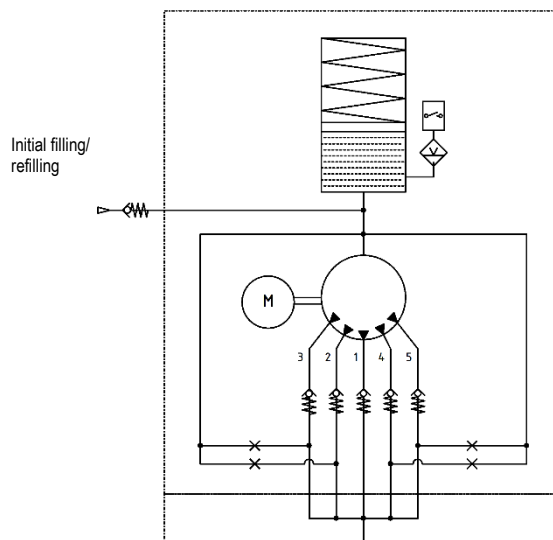
4 outlets



5 outlets

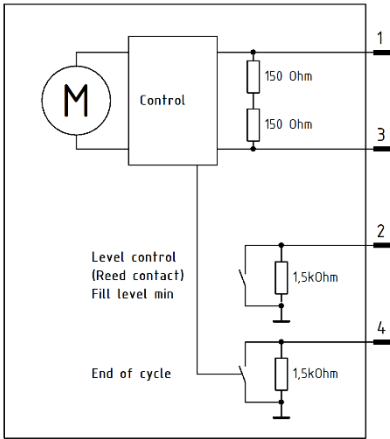
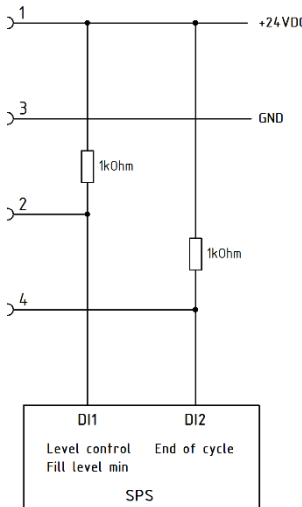


Collecting plate



INTERFACES

INTERFACE TYPE	INTERFACE FORMAT	SIGNAL
Filling pump	Cone grease nipple	Operating medium
Outlet pump	Pipe connection Ø 6 mm	Operating medium
Power supply pump	M12x1 A cod. 4-pole / plug	24 V DC

ELECTRICAL CONNECTION PUMP		
Connection	Assignment M12 plug connection (plug) DROPSA pump	Assignment M12 plug connection (socket) on the customer side
 BN: brown WH: white BU: blue BK: black		
1 (BN)	+24 V DC	
2 (WH)	Level control (minimum fill level), grounding (NPN function)	
3 (BU)	GND	
4 (BK)	End of cycle, grounding (NPN function)	

ORDERING INFORMATION

TYPE	FILLING TYPE	NUMBER OF OUTLETS	VOL/OUTLET [MM ³] / STROKE	APPLICATION	ARTICLE NUMBER
Dosing pump BM5	Filling nipple in accordance with DIN 71412	5 outlets via connecting plate	300	Grease (NLGI2)	P30012710
		1 outlet	60		P30012711
		2 outlets	60		P30012712
		3 outlets	60		P30012713
		4 outlets	60		P30012714
		5 outlets	60		P30012715

SPARE PARTS

	DESIGNATION	DESCRIPTION	ARTICLE NUMBER
	Cone grease nipple	For initial filling and refilling	P30051005
	Protective cap	Cover for the grease nipple	0888342
	Screw plug	Cap for lubrication line connection (For modifying the outlets, see the operating instructions)	P63812315
	Straight plug-in fitting	Outlet fitting	P30044384
	Mounting bracket	For flexible mounting of the pump	P30410460
	Mounting screws	To mount the pump on the mounting bracket	P62004293