

Model 60300 Series Pneumatic Grease/Pump



This pneumatic pump has a system operating pressure that is directly related to the air input pressure, the ratio being 45:1. The pump is energised by a 3/2 solenoid valve that must be ordered separately.

It has been designed to feed a small to medium sized progressive lubrication system.

It has a minimum working input pressure of 4 bar (58 psi) providing a system pressure of 180 bar (2,611 psi) and a maximum input pressure of 8 bar (116 psi) providing a system pressure of 360 bar (5,221 psi).

The pump has an adjustable output between 0.5 to 2 ccm per stroke of the pump; the pump piston stroke is 25 mm and works most efficiently between 18 to 25 mm.

Each complete turn of the adjusting screw either increases or decreases the output by 0.113 ccm.

The pump will handle oil and grease up-to and including an NLGI 2.

The 5 DM³ reservoir has lead seals on the lid closing mechanism as a reminder to only fill via the pump filler valve at the base of the pump to prevent the ingress of any contaminants that could cause the system to malfunction. Grease access to the filler valve is via an hydraulic grease nipple.

The reservoir has a cast iron follower plate that 2 models are spring assisted to ensure the pump mechanism is fully charged when an NLGI 2 grease is used as the system lubricant. The push button air release ensures that the reservoir is easily replenished from empty.

A waterproof micro switch to IP65 is incorporated to monitor the low lubricant level. The electrical input is 250V A.C. 5A/30V D.C. 5A.

PART NUMBER	OUTPUT	ELECTRIC LEVEL	LUBRICANT	RESERVOIR CAPACITY DM ³
NX6030021	2	MIN.	GREASE	5
NX6030022	0.5-2	MAX.-MIN.		5
NX6030023	2	MIN.		5 WITH SPRING
NX6030024	0.5-2	MIN.-MAX.		5 WITH SPRING



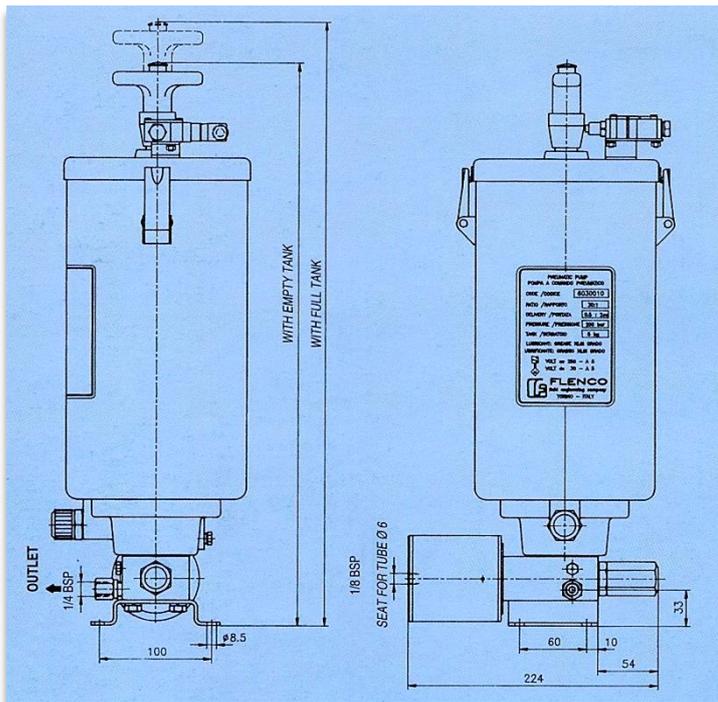
**TYPE 3/2
SOLENOID VALVE**

DESCRIPTION	PART NO
24 volt DC 1/8"bsp	125333L
24 volt AC 1/8"bsp	125334M
110 volt AC 1/8"bsp	125335N
230 volt AC 1/8"bsp	125336P

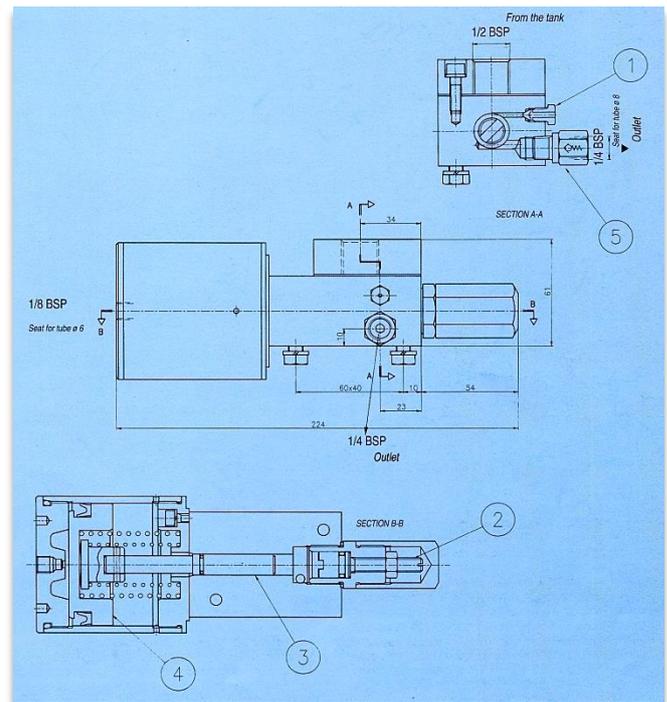


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PUMP DIMENSIONS



PUMP ASSEMBLY



Model Number 6030041

- ❖ Reservoir capacity 5 DM³
- ❖ Overall height with empty reservoir 509 mm
- ❖ Overall height with full reservoir 750 mm
- ❖ Approximate weight 12 kg

- 1 Air vent valve used to start up the system
- 2 Output regulating screw 0.113 ccm each complete revolution
- 3 Hardened and lapped pump piston maximum output 2 ccm per cycle
- 4 Piston for pneumatic control (single acting) ratio is 45-1 to air inlet pressure
- 5 Check valve; if there is no output after venting the air, clean the check valve and re-assemble it.

The information contained in this data sheet is for guidance only and does not form part of any contract. The accuracy cannot be guaranteed as R J Mellor & Co Ltd. has an ongoing process of development and reserve the right to change the specification of their products without notice



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