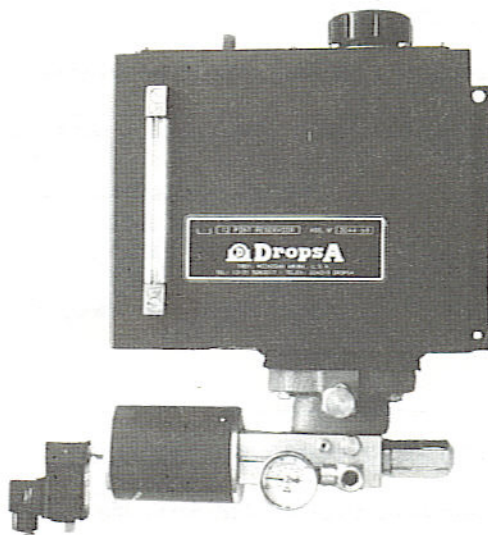


AIR OR HYDRAULIC PUMPS FOR OIL AND GREASE SYSTEMS



DESCRIPTION

Modular air and hydraulic pump (MAP) packages for Series Progressive Systems are available in a wide range of configurations. The pumps (air or hydraulic) will mount directly to the bottom of either an oil or grease reservoir. All reservoirs come standard with a low level switch, automatic reservoir shut off and visual sight indicator, includes also pressure gauge and fill stud. Options can include air valve selection, pump displacement, ratio and reservoir size.

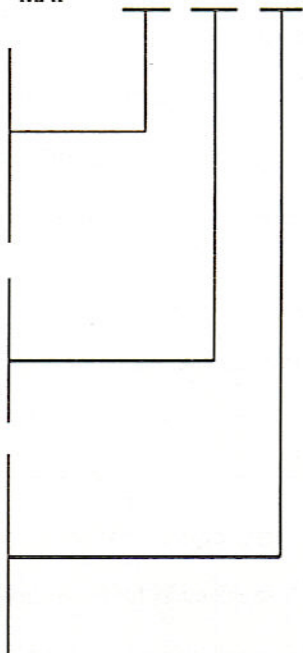
FEATURES

- Oil or Grease Reservoir
- Low Level Switch
- Metal follower in Grease Reservoir
- Strainer mounted in Inlet
- Hydraulic or Pneumatic Pump
- Wide range of displacements
- Adjustable volume output

Part	Description	
3044168	6 Lit. Rect. Tank w/L.L. Oil	OR06
3044173	11 Lit. Rect. Tank w/L.L. Oil	OR11
3044175	15 Lit. Rect. Tank w/L.L. Oil	OR15
3041020 1230000	5 Lit. Cyl Res. w/L.L. Oil	OC05
182000	5 Lb. Cyl Res. w/L.L. Grease	GC05
3044000	12 Lb. Cyl Res. w/L.L. Grease	GC12
3413000	AP1 30:1 Pneu. Pump	AP1
3104011	AP2 25:1 Pneu. Pump	AP2
3414009	HP1 1:1 Hyd. Pump	HP1
3414017	HP2 4.8:1 Hyd. Pump	HP2
N.A.	S0 No Solenoid Valve	S0
45273 0044484	S1 3 Way N/C Pneu 110 VAC	S1
45274 0044482	S2 3 Way N/C Pneu 220 VAC	S2
45275 0044483	S3 3 Way N/C Pneu 24 VDC	S3
45364 0044486	S4 4 Way N/C Pneu 110 VAC	S4
0044484	S5 3 or 4 Way Hydr 110 VAC	S5

(Order sub plate 44451 separately)

MAP - **** - *** - **



When ordering a MAP package, you will receive a completely assembled package with reservoir, pump, fill stud w/strainer, gauge, reservoir w/L.L. switch, sight glass & drain plug. Pump will be adapted to reservoir with bell housing along with 100 mesh strainer. A solenoid valve is available if so desired.



Centralized Lubrication Specialists



3413000 PNEUMATIC PUMP AP1 (ratio 30:1)

This pump generates a pressure of 30 times the operating air pressure

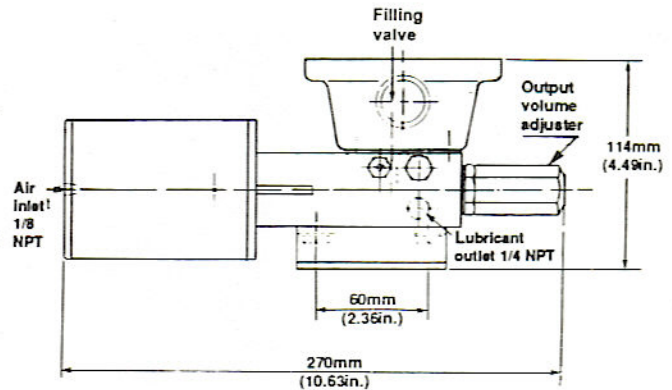
Volume output adjustable from .03 to .12 cu.in. per stroke.
(from .5 to 2 cm³)

The operating assembly consists of a cylinder housing and light alloy piston equipped with oil-resisting gasket seals.

Springs are provided to return the piston back.

Operating air pressure: from 58 to 116 psi (4 to 8 bar).

The control solenoid valve must have 3 ports: line-cylinder-discharge.



3104011 PNEUMATIC PUMP AP2 (ratio 25:1)

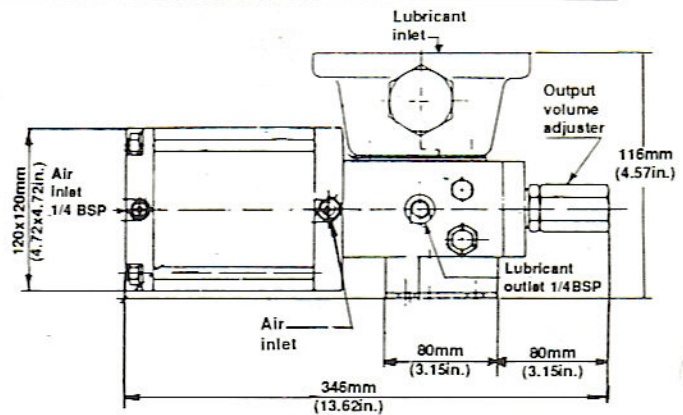
This pump generates a pressure of 30 times the operating air pressure

Volume output adjustable from .36 to .90 cu.in. per stroke.
(from 6 to 15 cm³)

The operating assembly consists of a cylinder housing and light alloy piston equipped with oil-resisting gasket seals.

Operating air pressure: from 58 to 116 psi (4 to 8 bar).

The control solenoid valve drives a double acting cylinder and must have 4 ports. Air pressure is used to push the piston back.



3414009 HYDRAULIC PUMP HP1 (ratio 4.8 :1)

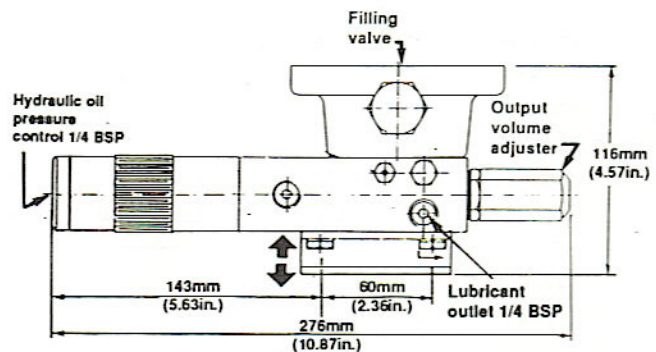
This pump generates a pressure of 4.8 times the operating hydraulic pressure.

Volume output adjustable from .03 to .12 cu.in. for each operation. (.5 to 2 cm³)

The operating assembly consists of a cylinder with a light alloy piston equipped with oil-resisting gasket. Springs are provided to operate the piston.

Operating oil pressure: min 435 psi; max 870 psi
(30 bar—60 bar).

The control solenoid valve must have 3 ports.



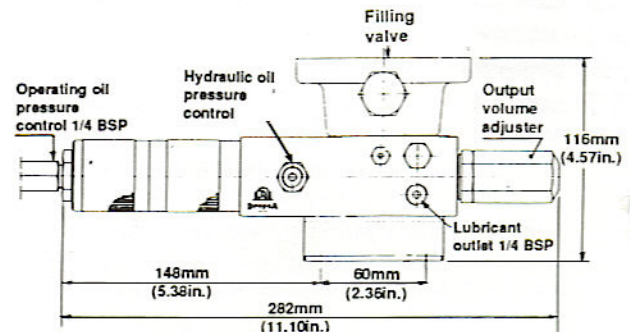
3414017 HYDRAULIC PUMP HP2 (ratio 1:1)

Volume output adjustable from .03 to .12 cu.in. for each stroke
(.5 to 2 cm³).

The operating assembly consists of a cylinder with a light alloy piston equipped with oil-resisting seals.

Operating oil pressure: min 435 psi; max 4350 psi
(30bar—300 bar).

The control solenoid valve drives a double acting cylinder and must have 4 ports. Hydraulic pressure is used to operate the piston.





AIR OR HYDRAULIC PUMPS FOR OIL AND GREASE SYSTEMS

RESERVOIRS

The pump can be adapted to rectangular or cylindrical reservoir.

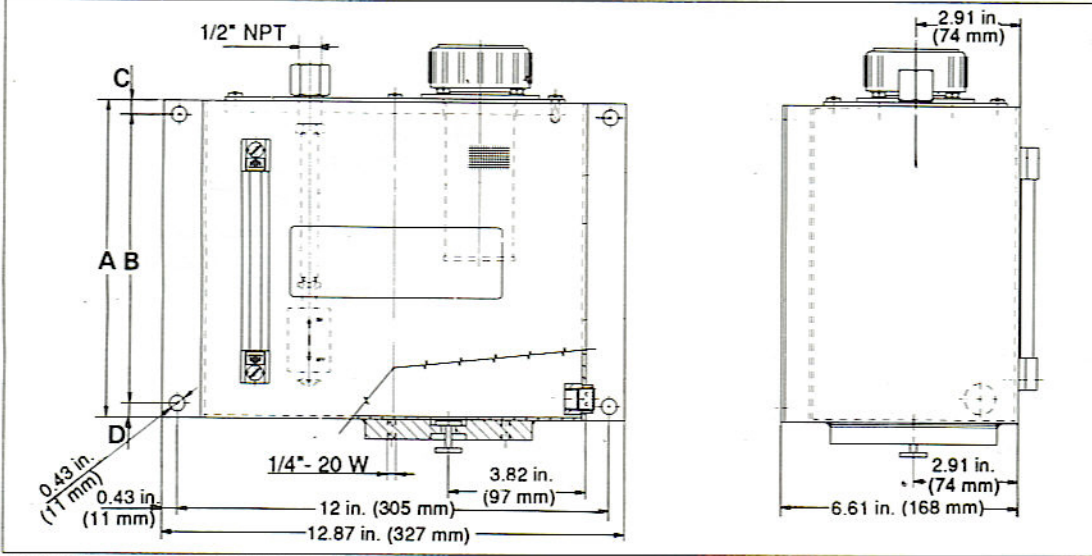
RECTANGULAR RESERVOIRS FEATURES

- Fill stud with 100 mesh strainer
- Sight glass
- Drain plug
- Low Level Switch

Low Level Switch characteristics

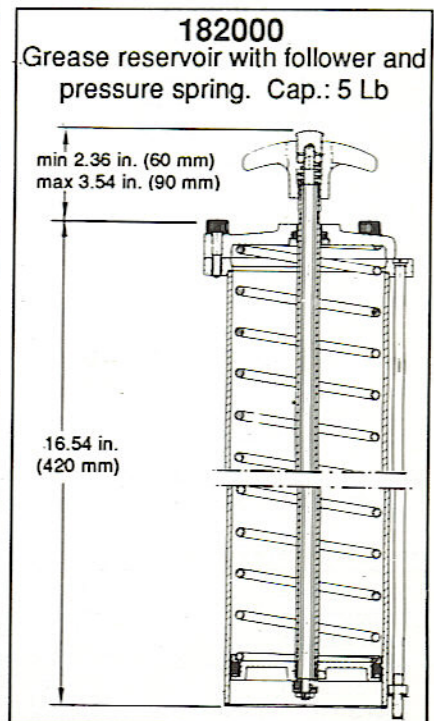
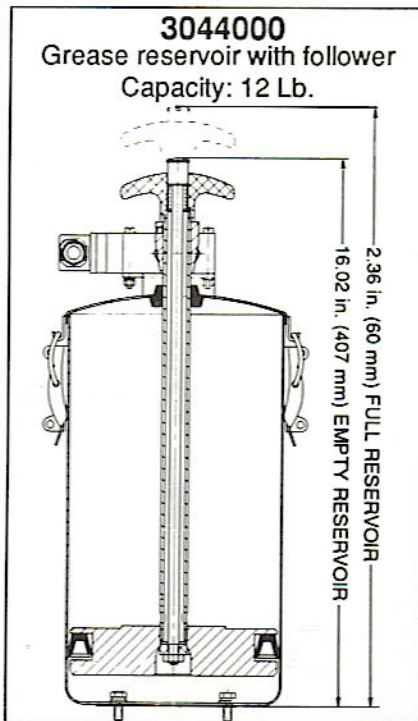
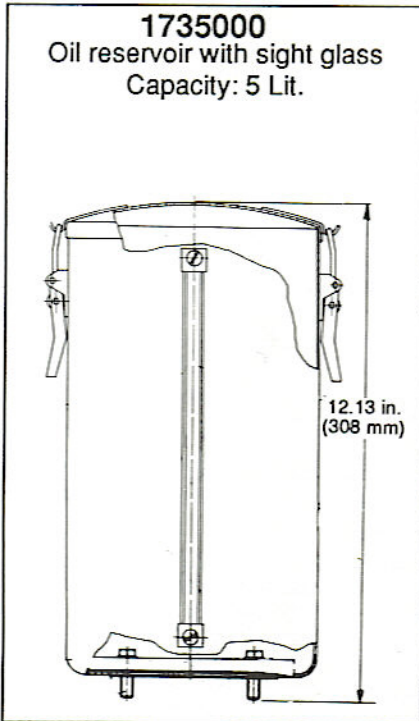
Max. opening power: 80 VA
 Max. Voltage: 220V AC - 150V DC
 Max. Current: 1A AC or DC

Part N°	lit.	Gal.	Reservoir Dimensions							
			A		B		C		D	
			in.	mm	in.	mm	in.	mm	in.	mm
3044168	6	1.58	8.86	225	8.07	205	0.39	10	0.79	10
3044173	11	2.90	15.75	400	14.37	365	0.63	16	0.75	19
3044175	15	3.96	20	509	18.5	470	0.63	16	0.91	23

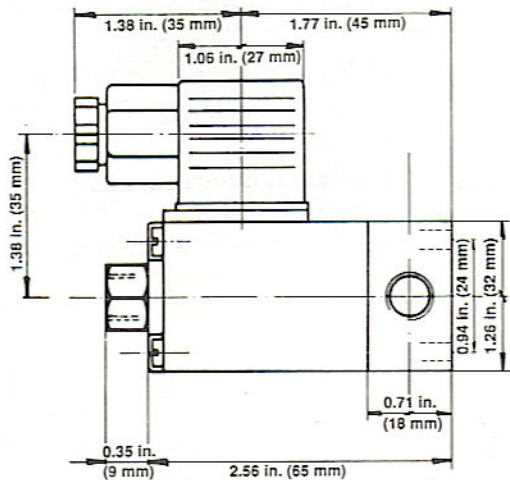


CYLINDRICAL RESERVOIRS FEATURES

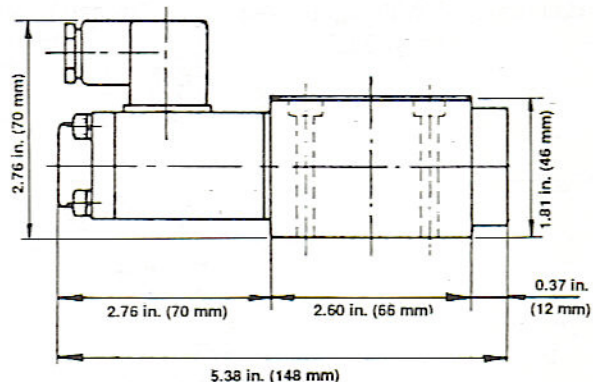
- Handle for the extraction of the follower
- Push button for exhausting pressure on the follower making it easier to remove.
- Sight level indicator rod with two red indexes along the rod to indicate the minimum and maximum level.



DIMENSIONS FOR S1-S2-S3-S4 SOLENOID *



DIMENSIONS FOR S5 SOLENOID*



* Warning: changes can take place without notice in the dimensions of the Solenoid valves