



MANUAL PUMPS 156000 SERIES

For Oil or Grease.

156000

PRODUCT DATA SHEET

ENGLISH

DESCRIPTION:

A range of manually operated pumps for use with dual line lubrication systems. The pumps are equipped with a built in reversing device. They are suitable for either oil or grease with a lubricant discharge of 3,4 cc. For each forward and return movement of the control lever. The pressure range is adjustable from 30 to 150 bar. Outlets are 2 3/8" BSP flat sealing outlet holes. The lower body of the pump is made of galvanised steel. The piston and the small piston valves are of hardened and lapped steel. The valves which control the inversion pressure are adjustable over a range of 30 to 150 bar. The pump body support is made of cast aluminium alloy. The hardened and lapped steel piston is activated by a shrunk-on lever on the handle with stub coupling. The double-acting piston is controlled by small piston valves. Line inversion occurs automatically and is indicated by the following:

- increased resistance of the operating lever.
- zero-set on the pressure gauge.
- The small pistons alternately come out from the pressure controlling valves.

SPECIFICATION:

Delivery: 3,4 cm³ for each forward and return movement of the control lever.

Pressure: 30 to 150 bar

Line inversion: 120 bar



Lubricant: Oil min. 15 cSt
Grease refer to table.

Reservoir: 1, 2 and 5 litre.

Pressure gauge: 0 to 250 bar.

Hydraulic inverter: Equipped with two valves for the control of pressure inversion. Adjustable from 30 to 150 bar.

Outlet: 3/8 UNI-ISO
228/1 (3/8 Gas).

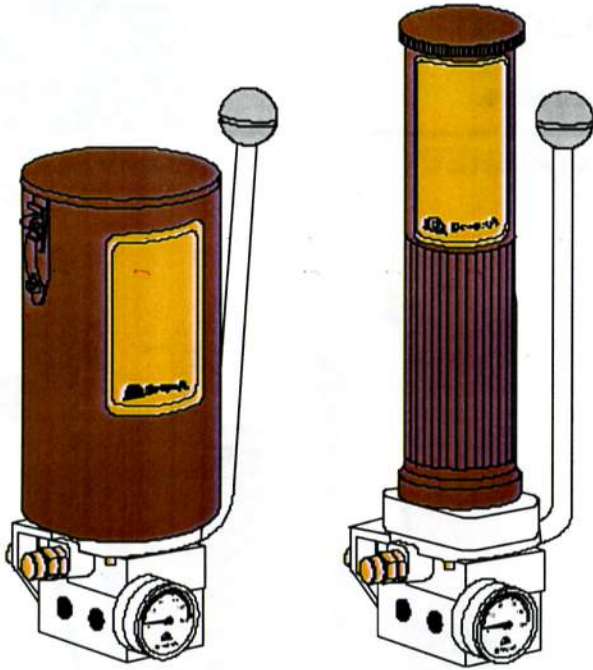
Reservoir inlet: 1/2 A UNI-ISO 228/1 (1/2 Gas).

ORDERING INFORMATION:

Please refer to the following table.

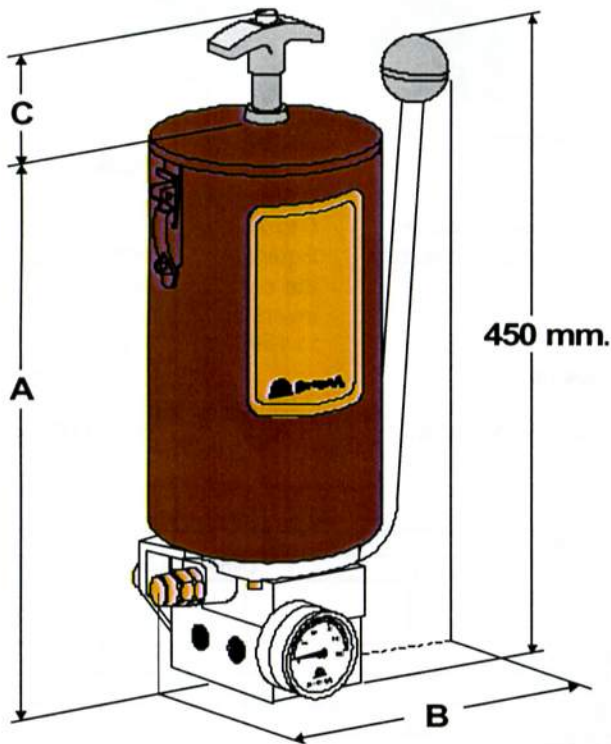
Pumps for Oil							
Pump with reservoir	Oil Litre.	Weight Kg.	Note	Dimensions mm.			
				A	B	C	
156080	5	7,8	Reservoir with visual level indicator.	420	275	---	
156085	1	5,8	Reservoir without visual level indicator.	310	199	---	
156090	2	6	Reservoir with visual level indicator.	459	199	---	
Pumps for Grease							
Pump with reservoir	Grease Kg.	Weight Kg.	Note	Type of Grease	Dimensions mm.		
					A	B	C
156060	5	12	Reservoir with follower plate.	NLGI 1	530	282	80 to 230
156065	1	6,2	Reservoir with follower plate.	NLGI 1	313	205	20 to 182
156070	2	8,6	Reservoir with follower plate and stem.	NLGI 2	515	220,5	54 to 355
156075	2	9,6	Reservoir with rapid filling fitting.	NLGI 1	535	220,5	8,5 to 23
156095	1	7,2	Reservoir with follower plate and stem.	NLGI 2	305	220,5	53 to 158

INSTALLATION/OPERATION:



Dimensions.

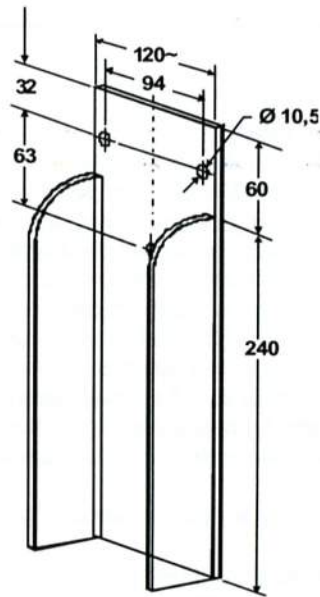
Refer to table.



ACCESSORIES:

Mounting Plate.

For fixing 156000 series pumps.

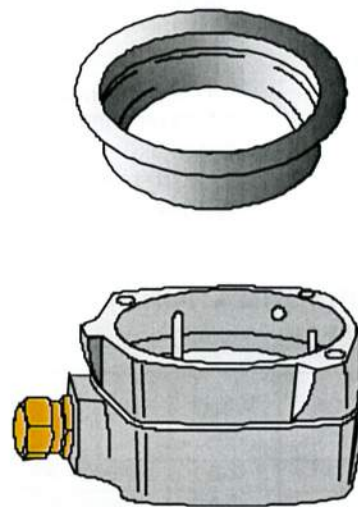


U-welded plate **Part No. 111580**

Weight: 3,70 Kg.

Filling Socket.

To fill reservoir **Part No. 1815000.**



Part No. 1142000

Weight: 2,6 Kg.

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FEEDER BLOCK SERIES AG6

Adjustable Discharge 0,25 - 3 cc. per/stroke
 (.015-.183 cu. in. / stroke)
 Dual Line System

671200 671300
 671310 672300
 672200 672310
 673300 673200
 673310 674300
 674200 674310

ENGLISH

PRODUCT DATA SHEET

DESCRIPTION:

The feeder body is made of special anti-friction steel. Pistons are made of tempered steel. Bores and pistons are lapped to provide superior sealing. The indicator turrets are provided with integral adjusting screws together with a metacrylate cover and seal. On request an aluminium cover can be supplied. The feeder body has a galvanised finish and features an adaptor for single or double outlet conversion.

SPECIFICATION:

Temperature range: -30 to +80°C.
Max. pressure (inlet): 400 bar (5800 psi.)
Cycles: 100/min.
Min. Viscosity: 15 cSt (77 SSU)
Grease Max.: 220 ASTM (NLGI 3)
Connections:
Inlet: 3/8"
Outlet: 1/4"



The double outlet adaptor (**Part No. 622077**) is identifiable by two parallel line markings in the centre; the single outlet adaptor (**Part No. 622076**) has a circular marking only.

Dimensions:

Mounting: (Refer to Fig. 2.).

Aluminium bushings (**Part No. 3008107**) are supplied for mounting on uneven surfaces to prevent distortion or damage due to overtightening.

In installations where backpressure is detected at the outlets of the feeder blocks, a checkvalve must be fitted to each outlet (see following page).

ORDERING INFORMATION:

Ordering is by Part No., refer to the following table:

Thread.	Part No.	Weight.		No. Outlets.
		Kg.	Lbs.	
Dropsa Standard BSP	671300	1,600	3.52	1
	672300	2,250	4.95	2
	673300	2,950	6.49	3
	674300	3,550	7.81	4
Din 3852 x BSP	671200	1,600	3.52	1
	672200	2,250	4.95	2
	673200	2,950	6.49	3
	674200	3,550	7.81	4
NPTF	671310	1,600	3.52	1
	672310	2,250	4.95	2
	673310	2,950	6.49	3
	674310	3,550	7.81	4

Function:(Refer to Figs. 1 and 3.) The feeder discharge is controlled by a servo -piston (A) and a metering piston (B) and can be arranged to provide a single or double outlet. Fig. D-E = 2 separate outlets Fig. F-G=1 outlet. Feeders are normally supplied with double outlets unless otherwise specified. Retrospective conversion can be undertaken by fitting adaptor Y (**Part No. 622076**) for single outlet and X (**Part No. 622077**) for double outlet (see following page). When single outlet feeders are used the discharge per complete cycle = 0,5-6 cc./stroke.(.03 - .366 cu. in./stroke)

