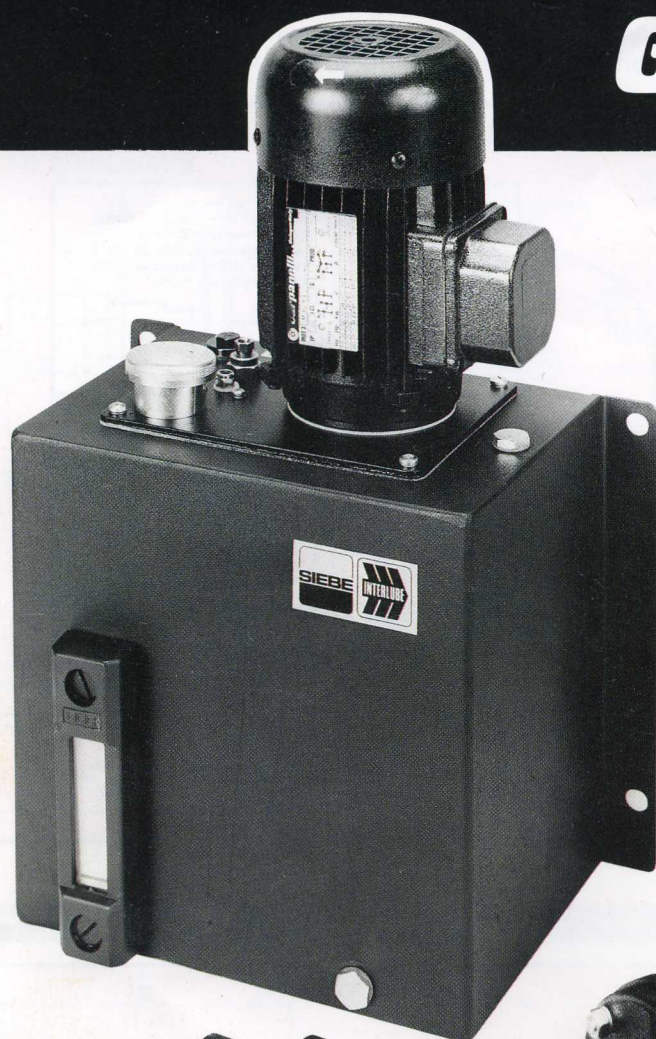


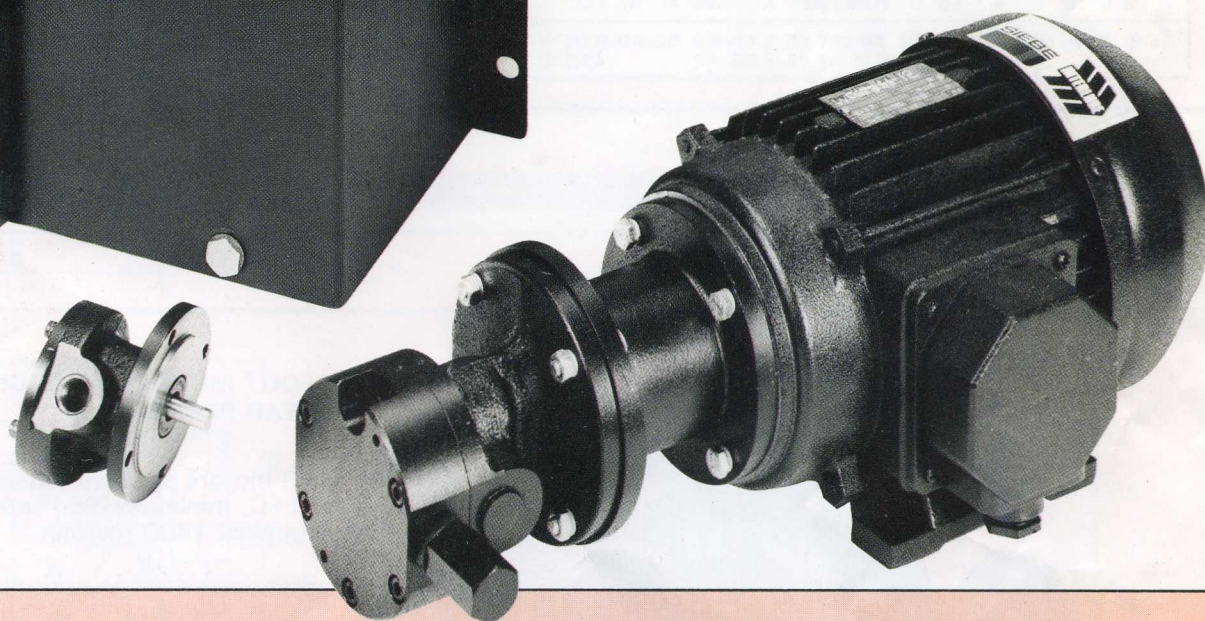
INTERLUBE

Gear Pumps



Interlube gear pumps are specially designed for continuous and cyclic automatic lubrication systems. They are supported by an extensive range of accessories suitable for a wide variety of industrial applications.

The pump bodies are manufactured from high grade cast iron, the rotors and shafts are steel, and the seals nitrile rubber. The pumps are suitable for oils and fluid grease.

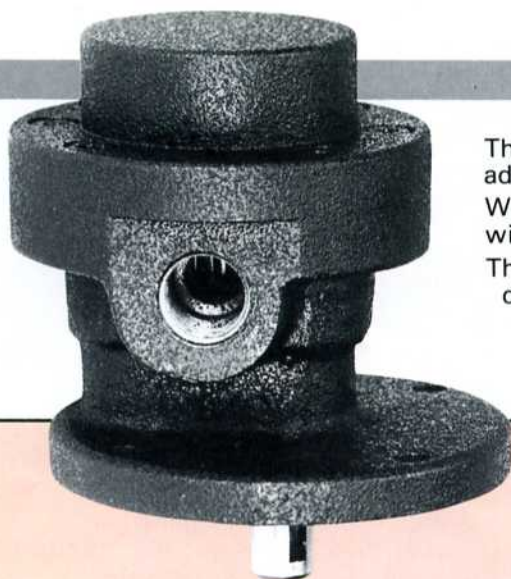


Pumps are available with flange mounting for mechanical drive, motorised foot mounted, or reservoir mounted. Four sizes of pump are available with outputs of 0.5, 3, 9 and 16 lt/min. On motorised versions the maximum rated operating pressure is 25 bar for the 0.5 lt/min pump, 10 bar for the 3 lt/min and 9 lt/min, and 5 bar for the 16 lt/min pump. For higher pressures consult Tecalemit Systems Ltd.

INTERLUBE

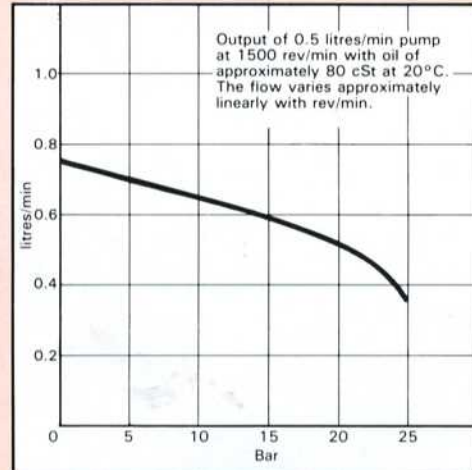
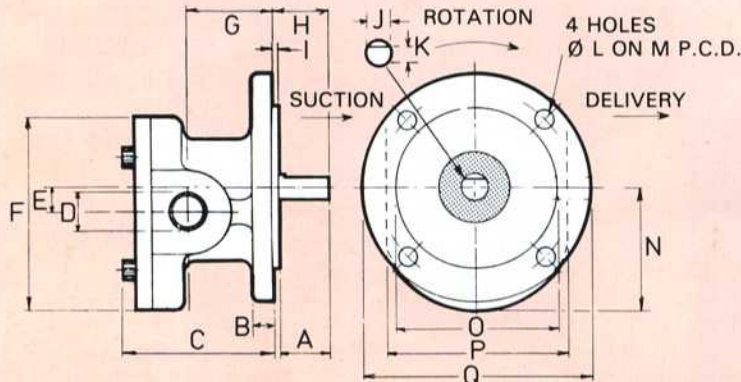
the Leaders in Lubrication

Flanged Gear Pumps



The unique design ensures quiet operation, and the pumps have the added advantage that they are tolerant of viscosity change. With the exception of the 0.5 ltr/min model, the pumps can be provided with an integral, adjustable pressure relief valve, as an optional extra. The extensive range of accessories provided for these pumps is described in leaflet 3009. For cyclic applications a special timer can be provided — please contact Interlube Systems Ltd or an approved agent.

GEAR PUMP – 0.5 LITRES/MIN (1.0 ltr/min @ 2,800 RPM)



| Dimensions | | | | | | | | | | | | | | |
|------------|---|----|-------|-----|----|----|----|---|------|------|-----|----|----|--------|
| A | B | C | D | E | F | Ø | G | H | I | J | Ø | K | L | Ø |
| 16 | 6 | 48 | ¼ BSP | 8.2 | 63 | 26 | 18 | 2 | 7.99 | 6.45 | 5.5 | 60 | 40 | 49.975 |
| | | | | | | | | | | | | | | 58 |
| | | | | | | | | | | | | | | 73 |
| | | | | | | | | | | | | | | 49.950 |

Part No. GP1

Maximum permissible pressure 25 Bar
Maximum permissible rev/minute at 25 Bar - 1500
Maximum permissible rev/minute at 5 Bar - 3000

Motorised Gear Pumps



FOOT MOUNTED MOTORISED GEAR PUMPS

All motors are continuously rated, TEFC, minimum IP54 rating, nominal 1400 rev/min

Standard Voltage options:-

110V, 1 ph, 50/60 Hz
240V, 1 ph, 50/60 Hz
380/440V, 3 ph, 50/60 Hz

See ordering details, for alternative voltages contact Tecalemit Systems Ltd.

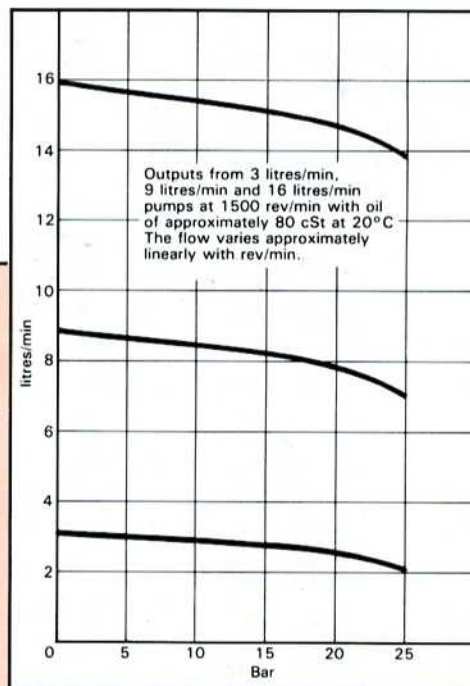
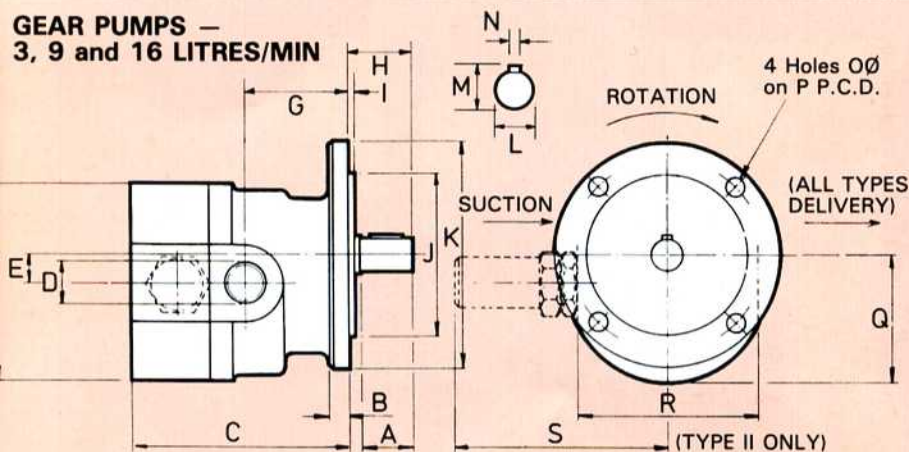
RECOMMENDED PIPE BORE SIZES (mm)

| | 0.5 L/min | 3 L/min | 9 L/min | 16 L/min |
|----------|-----------|---------|---------|----------|
| Suction | 8 | 10 | 12 | 18 |
| Delivery | 4 | 6 | 10 | 12 |

BI-ROTATIONAL GEAR PUMPS

Bi-rotational versions of the pump are available to special order. These units can be driven in either direction without affecting the position of suction and delivery, the positions of which must be specified.

GEAR PUMPS — 3, 9 and 16 LITRES/MIN

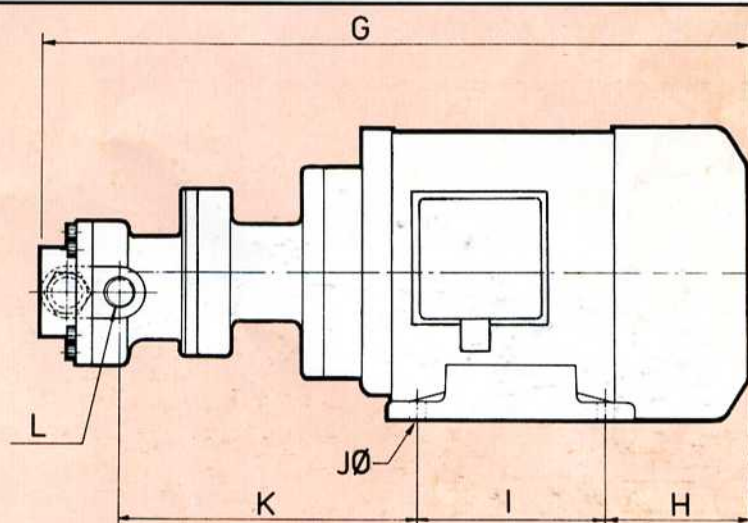
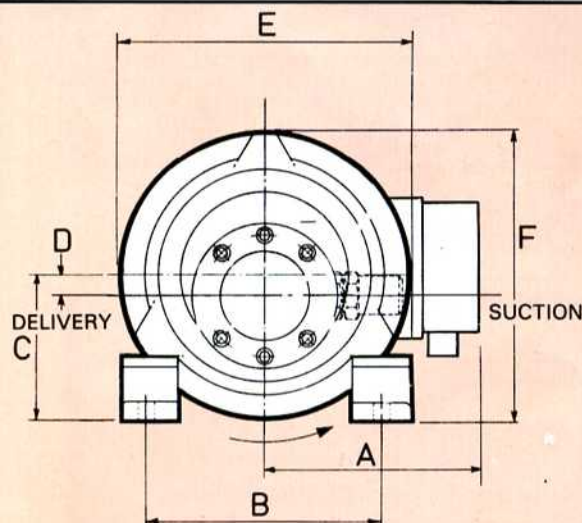


MODEL VARIANTS

| Type | Outputs & Part Numbers | | |
|--|------------------------|---------|----------|
| | 3 L/min | 9 L/min | 16 L/min |
| Type I (standard pump) | GP2 | GP3 | GP4 |
| Type II (standard pump with adjustable relief valve) | GP21 | GP31 | GP41 |
| Type III (bi-rotational pump) | GP22 | GP32 | GP42 |

Dimensions

| Size | A | B | C | D | E | F Ø | G | H | I | J Ø | K | L Ø | M | N Ø | P Ø | Q | R | S | |
|-----------|----|---|-----|-------|----|-----|----|----|---|------------------|-----|------------------|------|-----|-----|-----|----|----|----|
| 3 lt/min | 15 | 6 | 69 | ¼ BSP | 9 | 61 | 32 | 18 | 2 | 49.975 49.950 | 70 | 10.007 9.998 | 11.2 | 3 | 5.5 | 60 | 40 | 56 | 66 |
| 9 lt/min | 20 | 7 | 91 | ⅜ BSP | 13 | 82 | 44 | 25 | 3 | 69.970 69.940 | 100 | 12.008 11.997 | 13.5 | 4 | 7 | 84 | 54 | 76 | 76 |
| 16 lt/min | 20 | 8 | 111 | ½ BSP | 15 | 98 | 54 | 25 | 3 | 89.964 89.929 | 120 | 14.008 13.997 | 16 | 5 | 7 | 100 | 65 | 90 | 85 |



| Size (nominal) | Motor Size | Maximum Pressure | Dimensions | | | | | | | | | | | | | | | | |
|----------------|-------------------|------------------|------------|-----|----|----|-----|-----|-----|----|----|---|-----|-------|--|--|--|--|--|
| | | | A | B | C | D | E | F | G | H | I | J | K | L | | | | | |
| 0.5 lt/min | 63 frame, 0.18 kW | 25 bar | 95 | 100 | 63 | 8 | 123 | 125 | 295 | 73 | 80 | 6 | 122 | ¼ BSP | | | | | |
| 3 lt/min | 63 frame, 0.18 kW | 10 bar | 95 | 100 | 63 | 9 | 123 | 125 | 316 | 73 | 80 | 6 | 128 | ¼ BSP | | | | | |
| 9 lt/min | 71 frame, 0.37 kW | 10 bar | 115 | 112 | 71 | 13 | 142 | 142 | 374 | 80 | 90 | 7 | 159 | ¾ BSP | | | | | |
| 16 lt/min | 71 frame, 0.37kW | 5 bar | 115 | 112 | 71 | 15 | 142 | 142 | 394 | 80 | 90 | 7 | 169 | ½ BSP | | | | | |

Note: Dimensions are in mm except where stated.

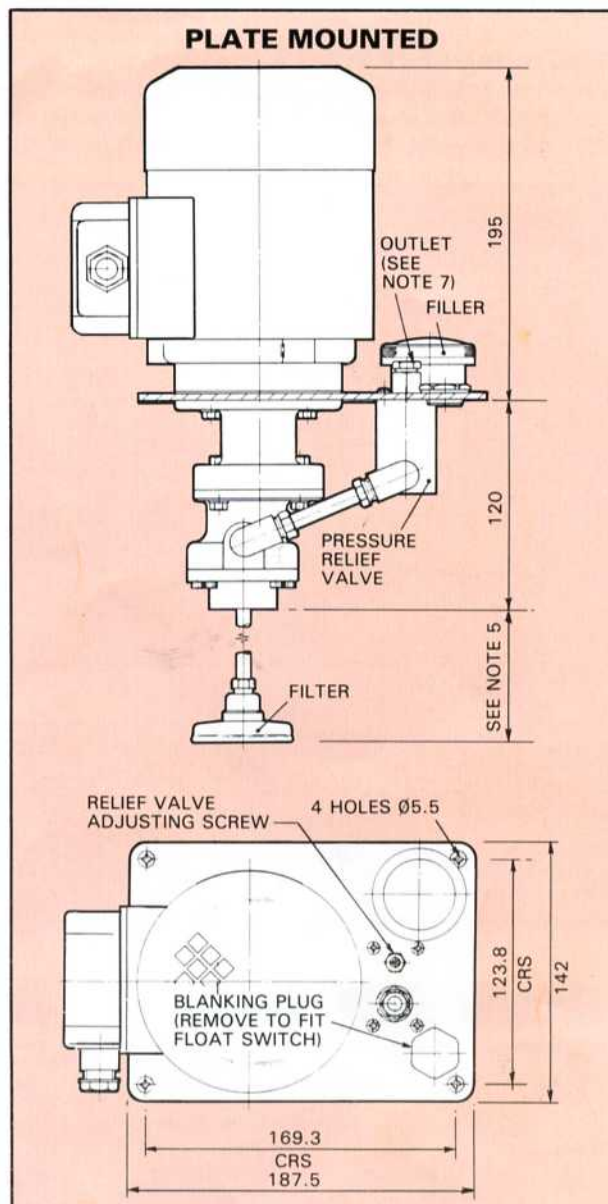
Other flow rates at various alternative motor speeds available on request.

INTERLUBE Reservoir-Mounted Gear Pumps



Reservoirs are available in three standard sizes — 6, 12 and 25 litres. Other sizes of reservoir can be provided by special arrangement. Interlube recommend that the ratio of the reservoir capacity in litres to the pump output in lt/min should not exceed 10:1.

- Notes**
1. Relief valve setting must not exceed maximum pressure of motorised pump (see previous details).
 2. For full details of reservoirs refer to leaflet 3024.
 3. See previous pages for pump and motor details
 4. The mounting centres suit the standard range of reservoirs — 6, 12 and 25 lt. Other reservoirs are available to special order.
 5. When supplied without reservoir, filter is supplied with 300 mm of tube to be cut to required length.
 6. A float switch is available as an optional extra and must be ordered separately. For details see float switch leaflet. To fit float switch remove the blanking plug.



7. Outlet: $\frac{1}{4}$ BSP/6mm OD for 0.5 lt/min pump.
 $\frac{1}{4}$ BSP/10mm OD for 3 lt/min pump.

METHOD OF ORDERING (ALL MOTORISED AND RESERVOIR MODELS)

Part No. MGP **X X X O** VARIATIONS

PUMP OUTLET (Nominal)

- 1 0.5 lt/min
- 2 3 lt/min
- 3 9 lt/min
- 4 16 lt/min

Notes 1. 9 lt/min and 16 lt/min models not supplied plate mounted.

2. 0.5 lt/min foot mounted model not available with integral relief valve.
3. Single phase only available on 0.5 lt/min pump.
4. IP54 Motors are standard.

MOUNTING OPTION

- 1 Foot Mounted
- 2 Foot Mounted with Relief Valve
- 5 Plate Mounted (R/Valve standard)
- 6 Plate Mounted with 6 lt Reservoir
- 7 Plate Mounted with 12 lt Reservoir
- 8 Plate Mounted with 25 lt Reservoir

VOLTAGE

- 1 110V, 1 ph, 50/60 Hz
- 2 240V, 1 ph, 50/60 Hz
- 3 380/440V, 3 ph, 50/60 Hz

Other voltages available on request



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