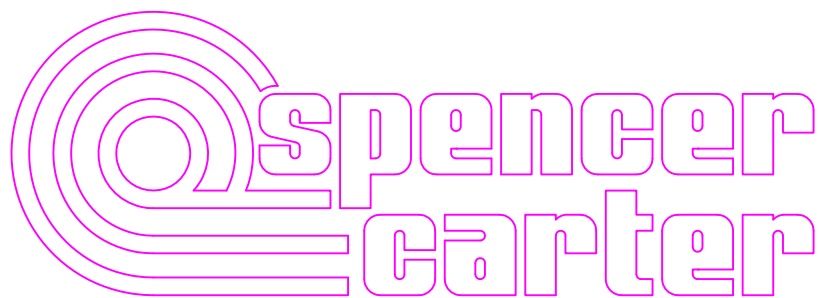


PUMP/CLUTCH UNIT - 3P RANGE



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3P PUMP/CLUTCH UNIT

There are two pump sizes offered as standard, to suit hauler systems up to 3000lb pull and winch systems up to 1.5 tons.

MODEL 3P14 – 64 LPM at 1000 RPM. Max. pressure 200 bar.

MODEL 3P20 – 90 LPM at 1000 RPM. Max. pressure 150 bar.

Units are suitable for flexible coupling or vee belt drive. Morse cable controls are available for the remote operation of clutch engagement.

SPECIFICATION

CLUTCH – Totally enclosed mechanical dog clutch running in an oil bath. Main input shaft supported on heavy duty sealed ball bearings to permit side loading by vee belt drives. No clutch adjustments are required. Maintenance is limited to checking the oil bath level, (SAE 90 EP gear oil) and grease application to one bearing.

HYDRAULIC PUMP – Heavy duty aluminium cased gear pump with adapter flanges for service pipes. Inlet side is supplied with a stub pipe (not shown) for 2” bore low pressure hose from the reservoir (to be secured with hose clips). The outlet side is supplied with a threaded adapter of the required 'BSP' size, usually 3/4” BSP (not shown).

No local maintenance of the pump is required since lubrication is provided by the system hydraulic oil.

INSTALLATION – Must be secure and well aligned. Base mounting bolt slots provide limited adjustment. Flexible coupling drive is preferred (FENAFLEX coupling) for reliability and low maintenance. Pulley rive (using multi groove vee pulleys) must be adjusted and inspected frequently.

Weight...Approx. 32 Kg.

NOTE:

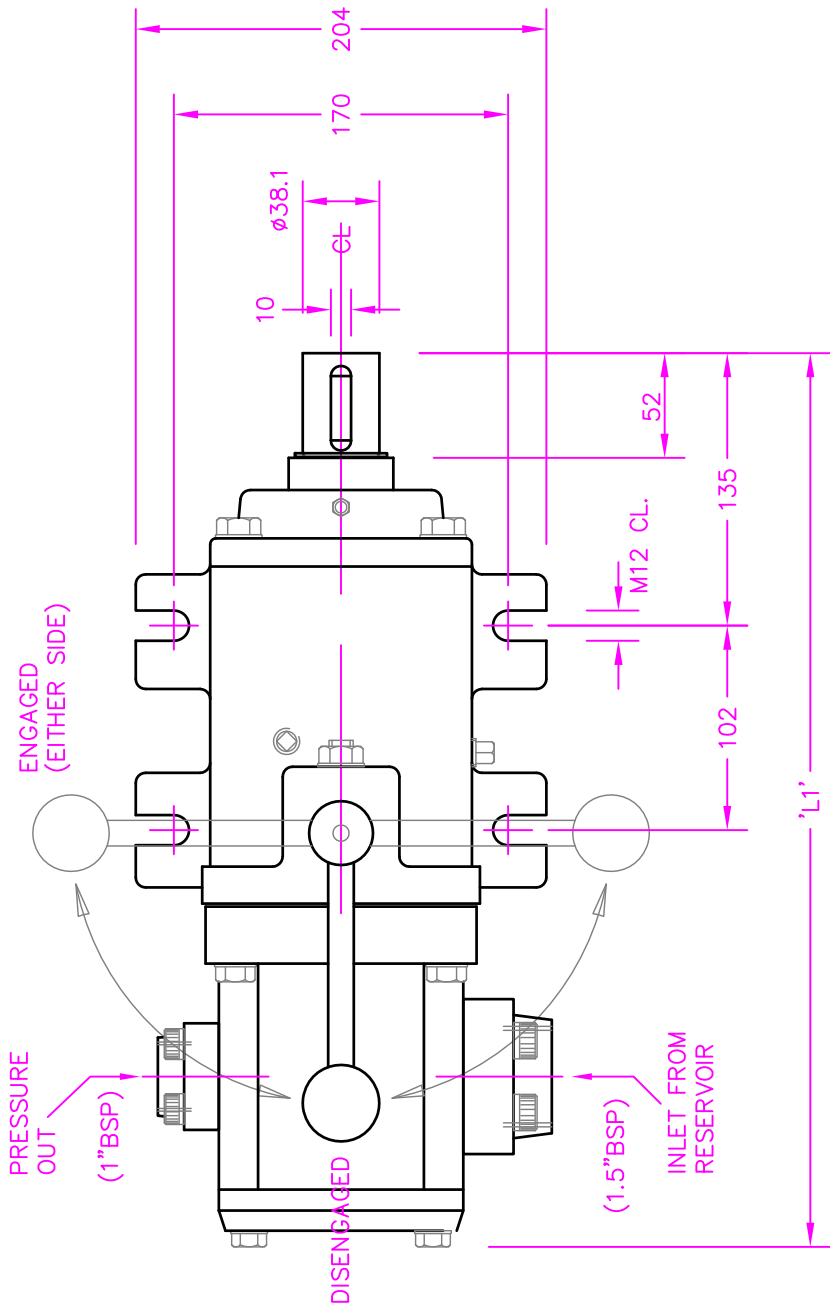
Pump ports indicated as inlet and outlet are correct for the standard assembly, with direction of rotation – anticlockwise.

If the unit is supplied for clockwise rotation, the inlet and outlet ports change sides.

MAINTENANCE.

Inspect and top up oil level in the clutch casing, using SAE 90 gear oil, every 100 hours running time. The filler plug is on the top of the casing and the level plug is on the side. Over filling will cause no damage but will probably leak oil through the front main bearing until correct level is achieved.

Apply a lithium base grease to the front bearing every 100 hours. Two strokes of a grease gun are adequate.



LENGTH 'L1'

	'L1'
3P14	426
3P20	440

3P BASE MOUNTING (MODEL 3P...)

Scale 1:4

