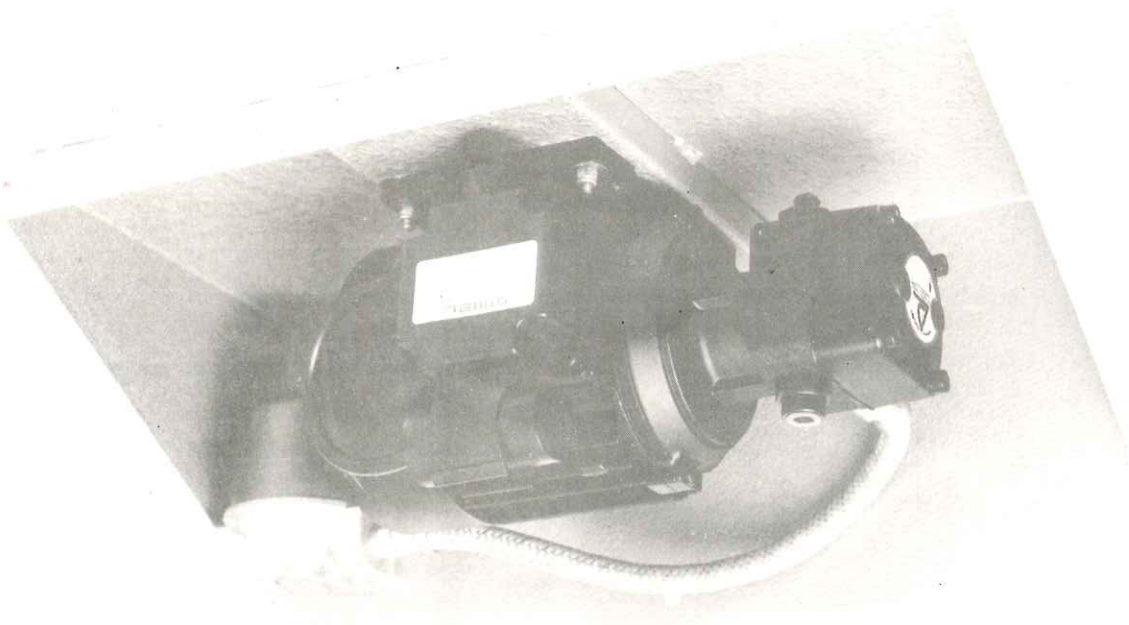


OIL TRANSFER PUMPS



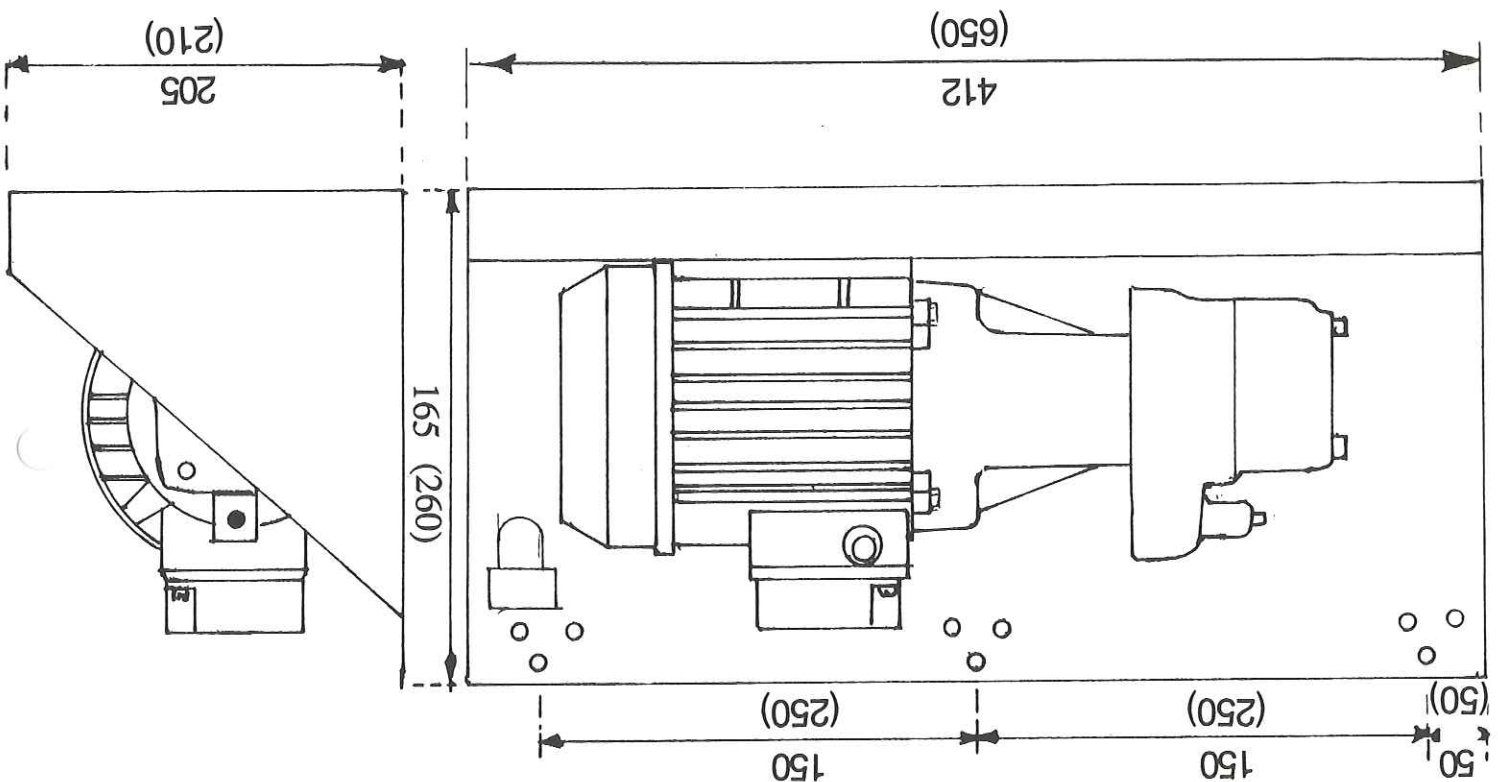
Anglo Nordic Compact Oil Transfer Pump Sets are offered for various applications including pressurising ring main, filling daily service tanks and maintaining oil supplies to high level burner installations.

Each unit is supplied mounted on a drip tray suitable for floor or wall mounting.

The unit as supplied is suitable for a low pressure single pipe installation however the pump sets can be adapted for use on two-pipe systems. High pressure units can be supplied to special order. An adjustable pressure regulator is incorporated in all pumps.

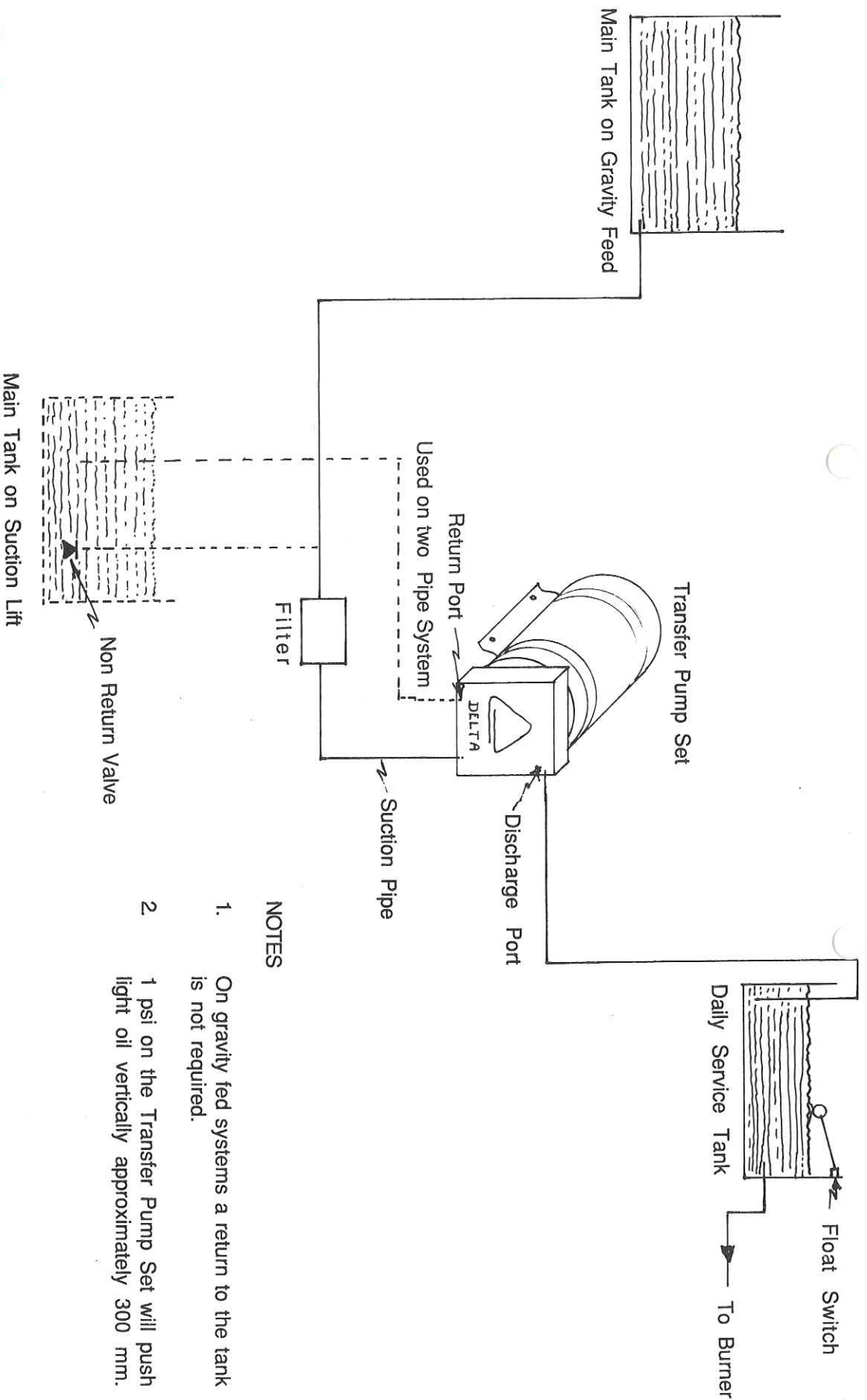
The pumps are supplied for use on light oil (35 second) and the ANTP 40, 60, 100, 150 and 250 series are suitable for oil up to 200 seconds. Pump sets for heavy oil are available to special order. All pump sets are supplied with a filter in the supply line, additional filters may be required on some applications.

OIL TRANSFER PUMPS



MODEL OUTPUT MOTOR PUMP CONNECTIONS - BSP SUCTION RETURN DISCHARGE DIMENSIONS

ANTP/12	12g	54 L	150w	1/4	1/4	1/8	Unbracketed
ANTP/22	22	99	150w	1/4	1/4	1/8	Ditto
ANTP/40	40	180	370w	1/4	1/4	1/8	Bracketed
ANTP/60	60	220	370w	1/4	1/4	1/4	Ditto
ANTP/100	100	450	550w	1/2	1/2	1/2	Ditto
ANTP/150	150	675	550w	1/2	1/2	1/2	Ditto
ANTP/250	250	1135	750w	1/2	1/2	1/2	Ditto



NOTES

1. On gravity fed systems a return to the tank is not required.
2. 1 psi on the Transfer Pump Set will push light oil vertically approximately 300 mm.

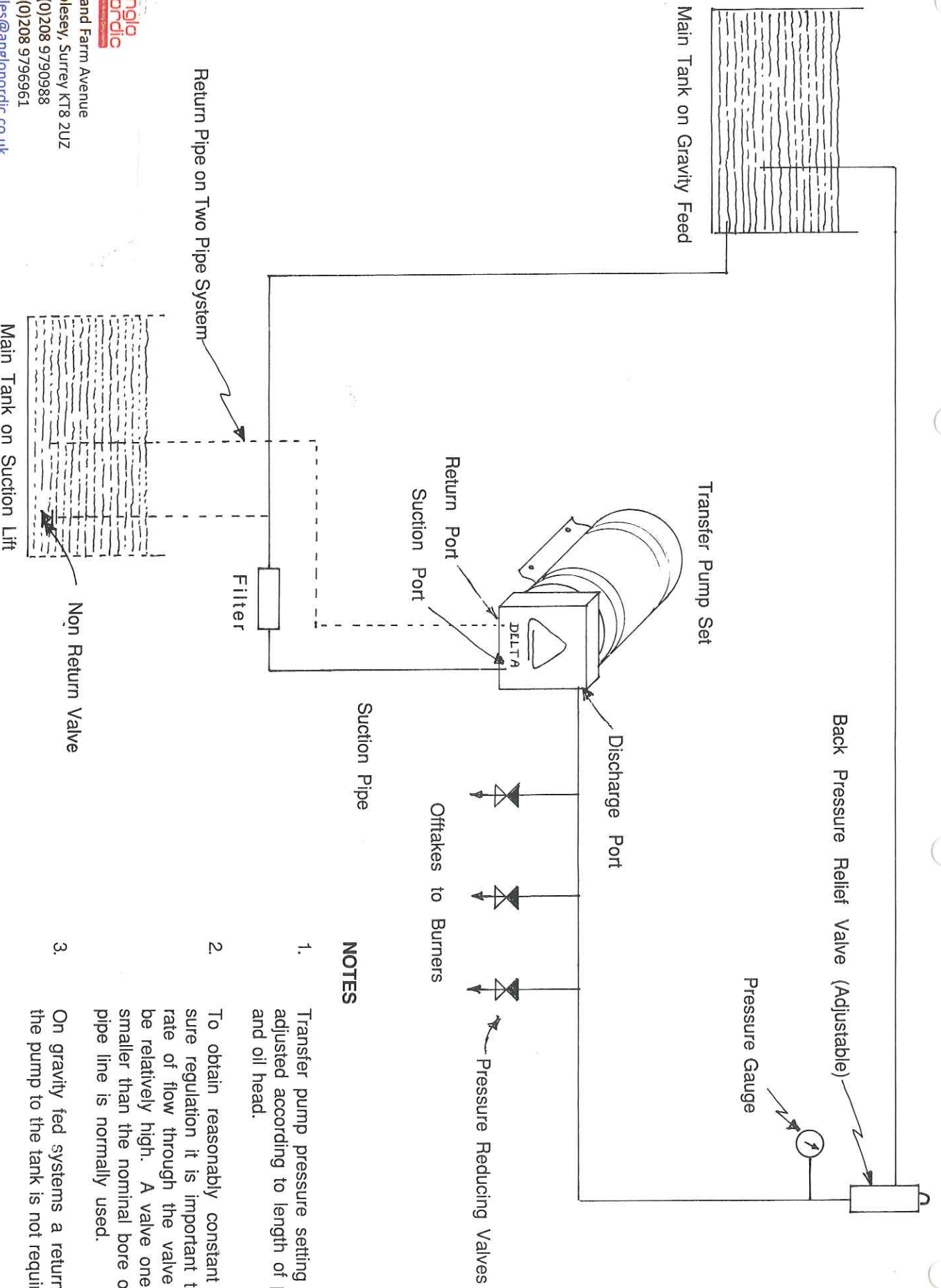


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DAILY SERVICE TANK SYSTEM SCHEMATIC



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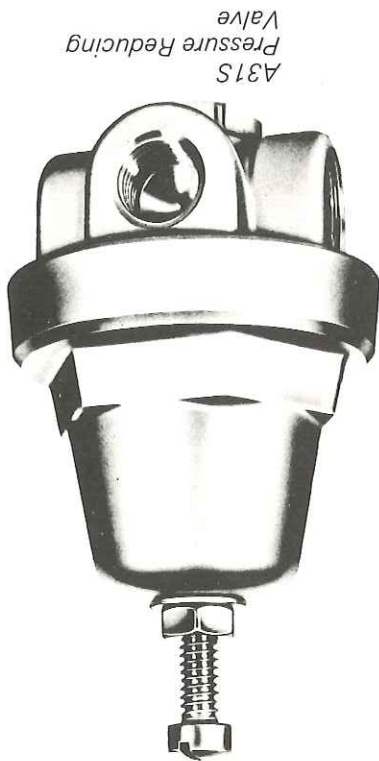


NOTES

1. Transfer pump pressure setting is adjusted according to length of pipe run and oil head.
2. To obtain reasonably constant pressure regulation it is important that the rate of flow through the valve should be relatively high. A valve one size smaller than the nominal bore of the pipe line is normally used.
3. On gravity fed systems a return from the pump to the tank is not required.

LOW PRESSURE MAIN SCHEMATIC

PRESSURE REDUCING VALVE TYPE A31S

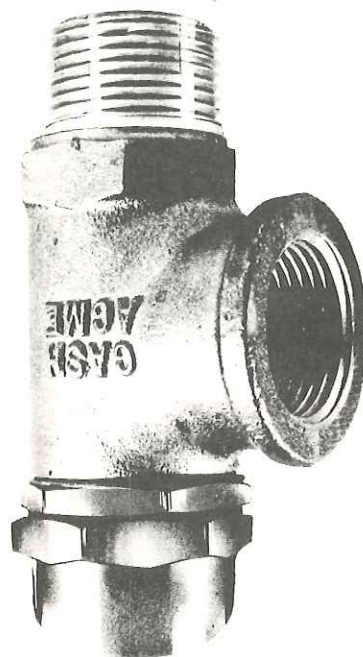


A31S
Pressure Reducing
Valve

The Cash-Acme Pressure Reducing Valve Type A31S has been designed to reduce a high pressure to a lower pressure and maintain that lower pressure within close limits. It is suitable for use with water, gas, oil or air and has been designed for installations where space limitations are important. The valve consists of a high-quality forged brass body, designed to operate with inlet pressures up to 300 lb/in² having adjustable outlet pressure range from 2 to 25 lb/in². Neoprene diaphragms are fitted as standard as are hy-car seats. All valves are supplied preset at an outlet pressure of 4 lb/in². The valve is supplied with a filler head adjusting screw and hexagon lock nut. All the units have three ports, one inlet and two outlets. One of the outlets is a gauge connection which is on the right-hand side of the valve.

BACK PRESSURE RELIEF VALVE TYPE MC

The back pressure relief valve type MC is intended to maintain a constant pressure on the inlet side. It has been designed with a metal to metal seat and although not suitable for installations where a drip tight shut off is required, it is suitable for use with oil, water and some gases. This unit can be used to maintain a constant pressure in an oil ring main or for by-pass protection on pumps as used in domestic water systems. With a body constructed of bronze, it has a stainless steel seat and rust-proof monel spring, with adjusting screw and lock nut. It is suitable for inlet pressures of 15 to 125 lb/in² and the type MC has a leak-proof closing cap over the adjusting screw.



MC
Back Pressure
Relief Valve

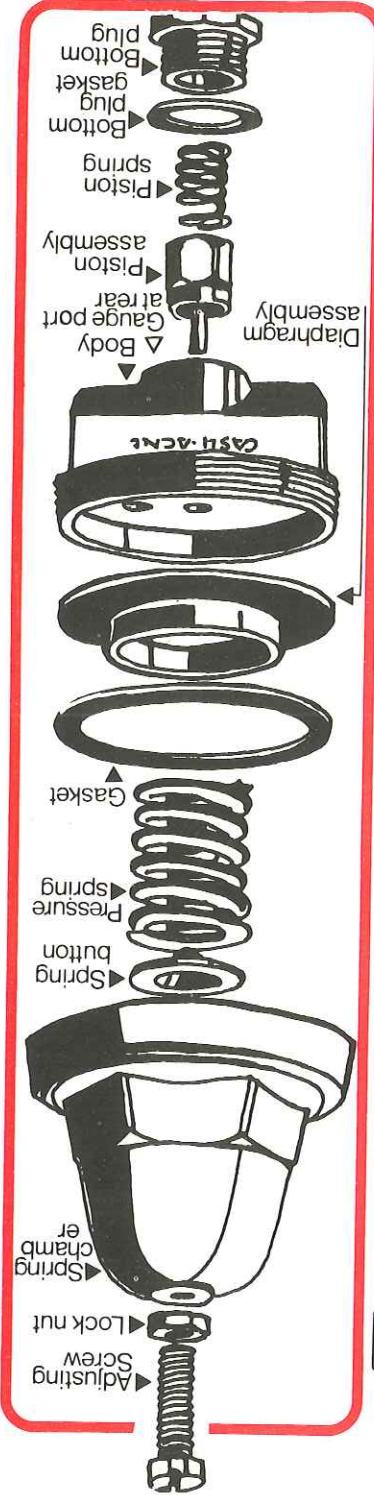
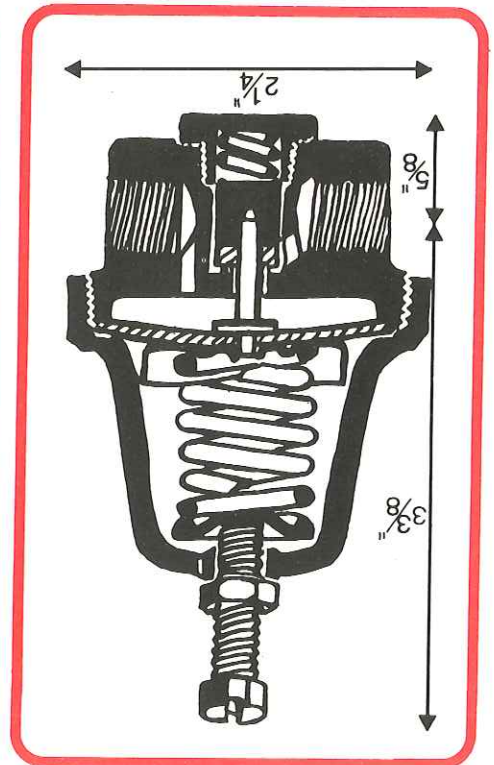
PRESSURE REDUCING VALVE TYPE A31S BACK PRESSURE RELIEF VALVE TYPE MC

TECHNICAL INFORMATION

Pressure Reducing Valve Type A31S

The exploded view drawing on the right indicates the method of operation of the pressure reducing valve.

Specification
Inlet & Outlet
Dimensions
Weight
As shown
1 1/2 lb
Outlet Pressure Range 2 to 25 lb/in²
(Adjustable)
300 lb/in²
Maximum Inlet
Pressure
Maximum
Temperature
160°F.
Gauge connection
1/2 in BSP

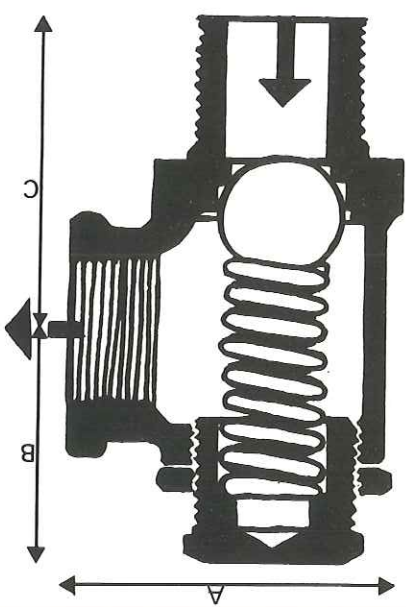


Back Pressure Relief Valve type MC

Specification

Dimensions			Pipe		
A	B	C	Size	Weight	
in mm	in mm	in mm	in	lb	kg
2 1/2 64	2 51	2 51	1 1/2	1 34	0.68
2 57	2 51	2 51	1 1/2	1 45	0.68
2 57	2 51	2 51	1 1/2	1 45	0.68
2 57	2 51	2 51	1 1/2	1 45	0.68
2 57	2 51	2 51	1 1/2	1 45	0.68
2 57	2 51	2 51	1 1/2	1 45	0.68
2 57	2 51	2 51	1 1/2	1 45	0.68
2 57	2 51	2 51	1 1/2	1 45	0.68

Pressure range 15 to 125 lb/in²



Anglo Nordic Burner Products
Limited reserve the right to alter
specifications and designs at any
time without prior notice.
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West Molesey, Surrey KT8 2UZ
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Cross Reference & Conversion Data

Simel Burner Motor Details - Flange

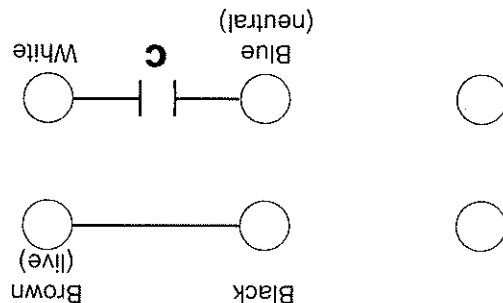
Type	P.C.D Bolt Holes	Shoulder Diameter
E 130	130mm	110mm
Nema 1 flange	172mm	140mm
Nema 2 flange	184mm	162mm
F6 flange	134mm	125mm

Simel Motor Wiring - For Rotation Looking On Shaft End

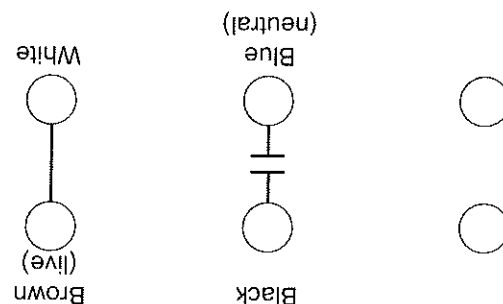
A) External Lead Version

Counter Clockwise	Clockwise
Brown & black to live White & blue to neutral Yellow & green to earth	Brown & white to live Black & blue to neutral Yellow & green to earth

B) Foot Mounted Motors (single phase)

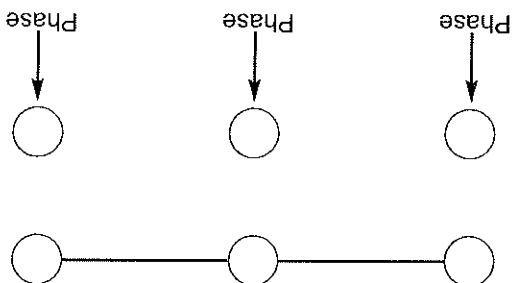


Counter Clockwise



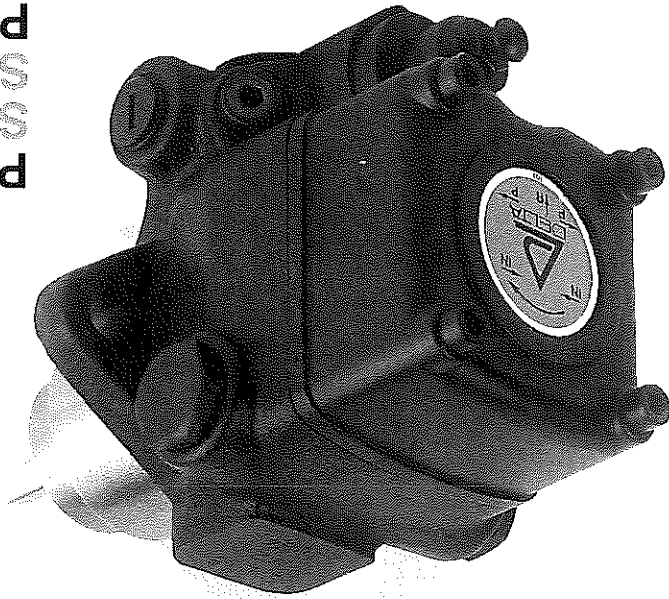
Clockwise

C) Foot & Flange mounted Motors (three phase)



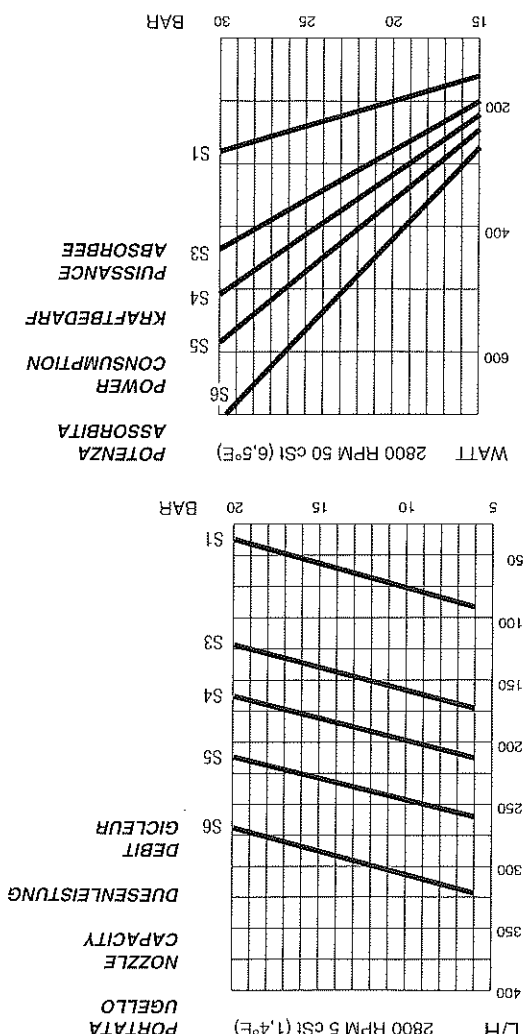
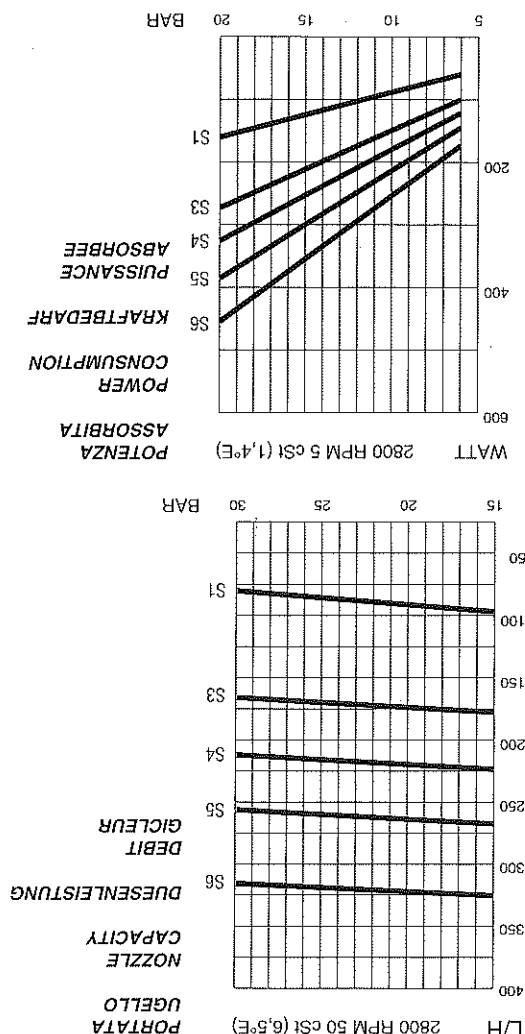
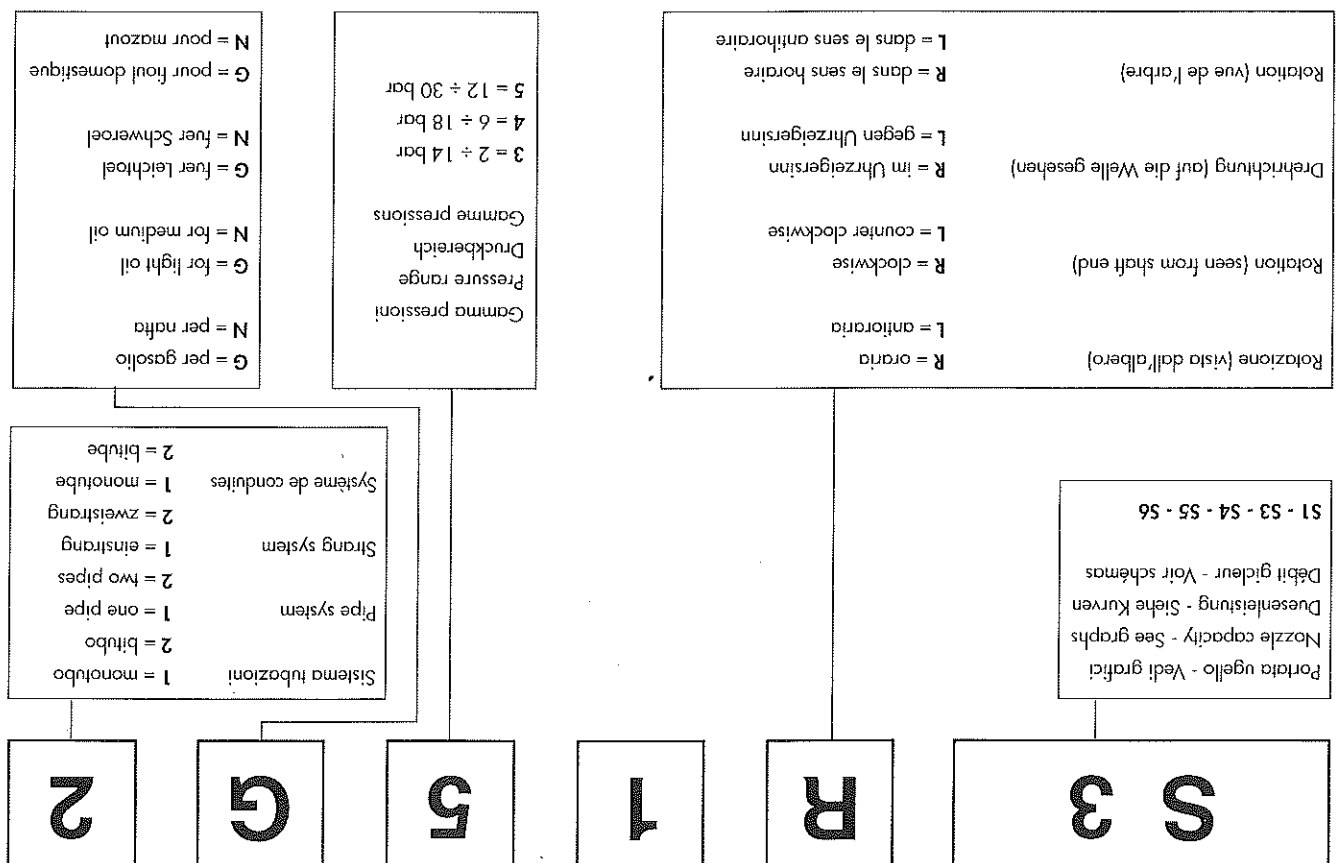
To reverse the rotation swap 2 of the phases.

DELTA
P U M P S



POMPE S
PUMPS
S PUMPS
POMPE S

ESEMPIO DI ORDINAZIONE - HOW TO ORDER - BESTELLUNGSEISPIEL - EXEMPLE DE COMMANDE



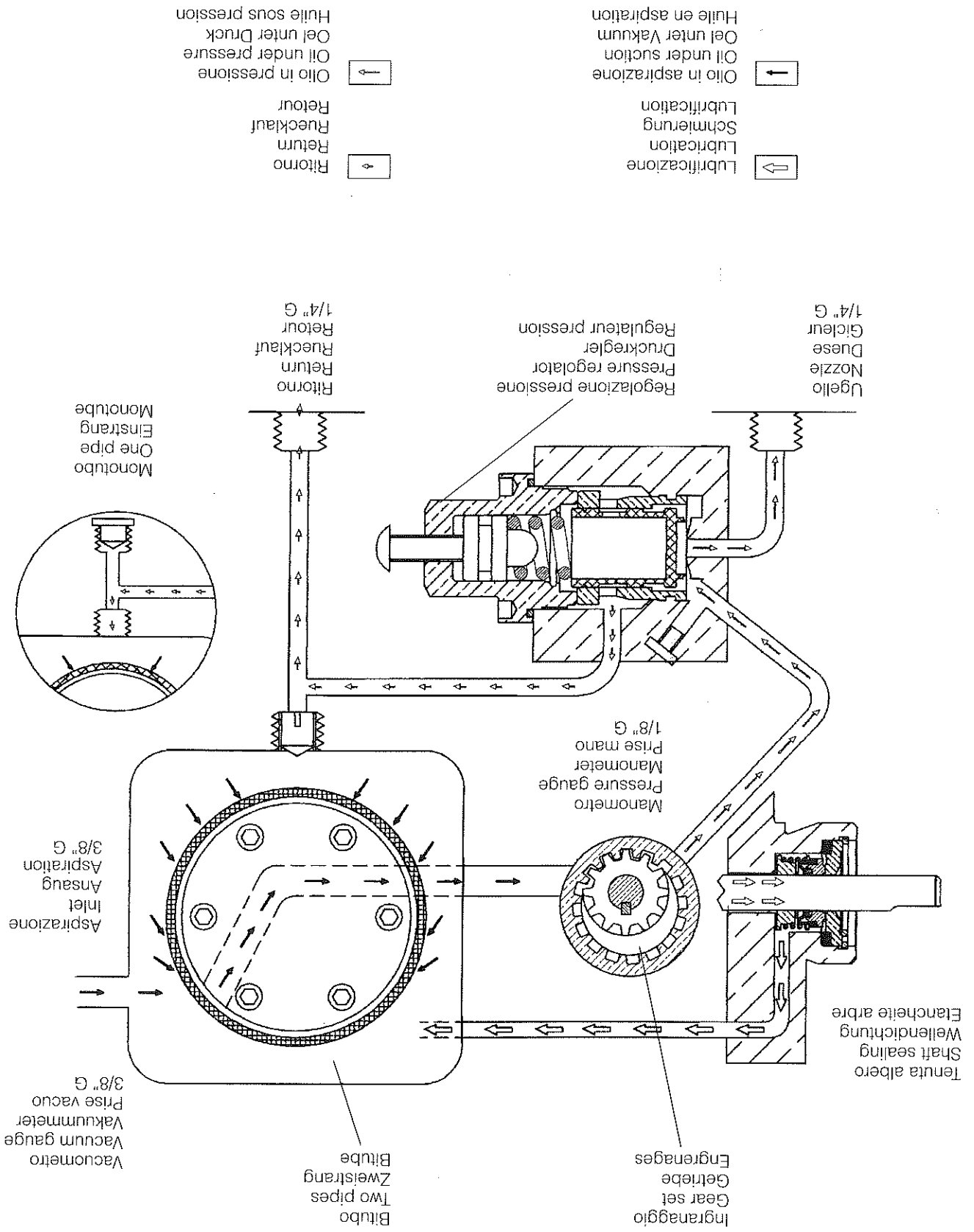
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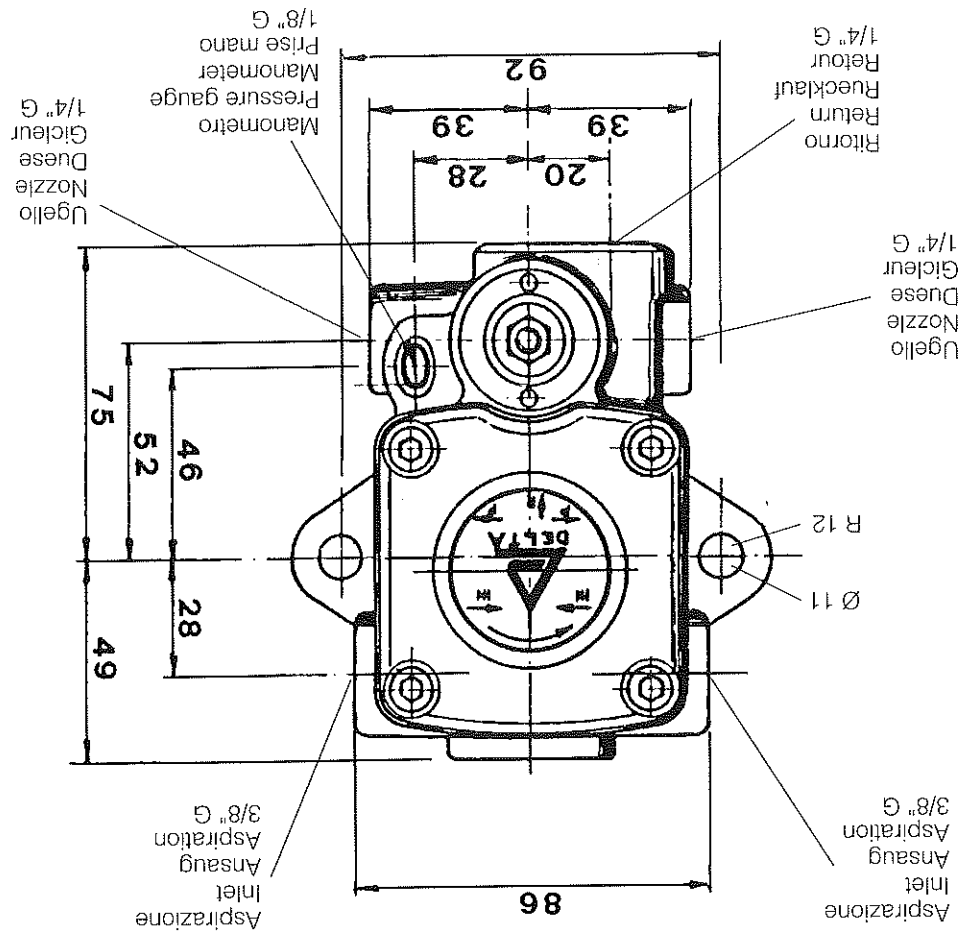
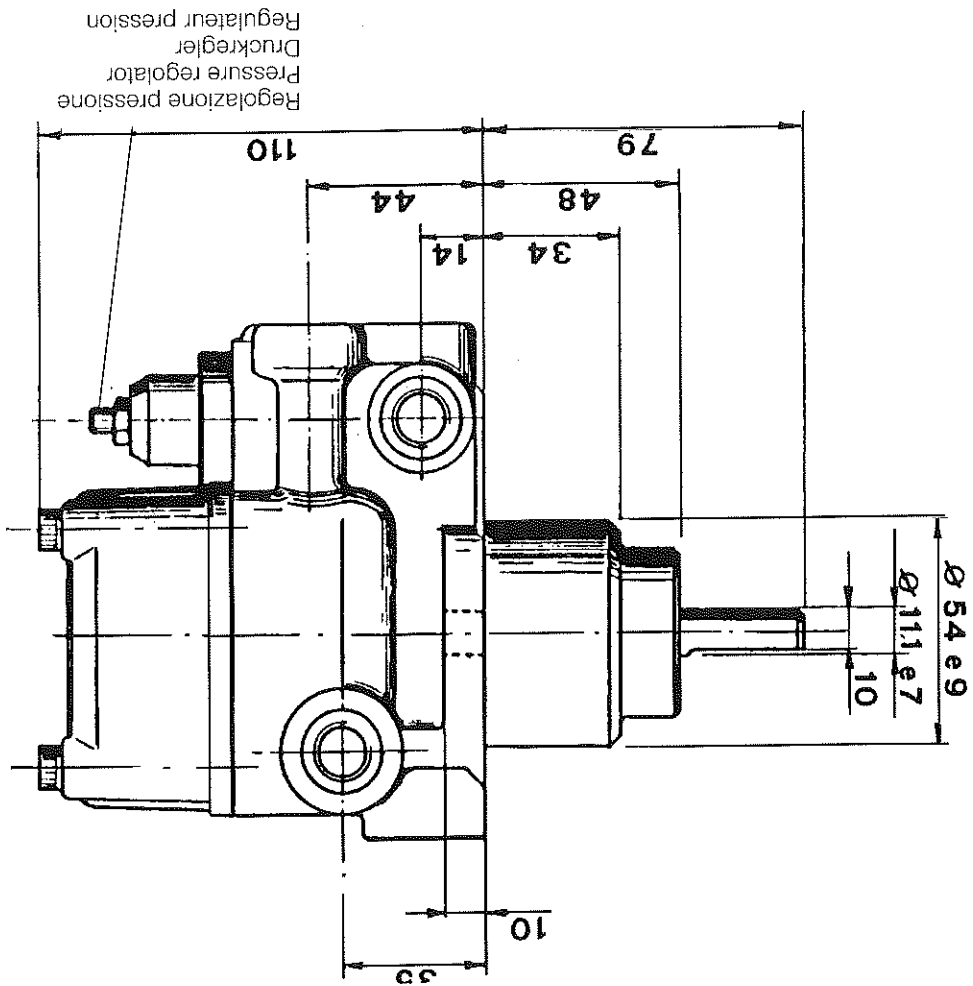
TECHNICAL DATA

TECHNISCHE DATEN

DONNEES TECHNIQUES

POMPE DELTA tipo «S»	Oil Viscosity 5 ÷ 800 cSt (1,4-105° E)	Temperatura olio 80°C max	Assorbimento potenza Vedere grafici	Portata all'ugello Vedere grafici	Gamma di pressione 2 ÷ 14 bar 6 ÷ 18 bar 12 ÷ 30 bar	Vuoto in aspirazione 0,5 bar max	Pressione in aspirazione 0,7 bar max	Pressione in ritorno 1,5 bar max	Velocità di rotazione 3500 rpm max	Filtro di serie Gasolio: tela acc. inox 140 cm ² - 200µ Mafia: tela acc. inox 140 cm ² - 300µ	Montaggio Mozzo Ø 54, albero Ø 11,1 (DIN 24220)	Connessioni idrauliche Aspirazione 3/8" G Vacuometro 3/8" G Mandata 1/4" G Ritorno 1/4" G Manometro 1/8" G	Peso gr. 4.000
DELTA PUMP model «S»	Oil Viscosity 5 ÷ 800 cSt (1,4-105° E)	Oil Temperature 80°C (176°F) max	Power Consumption See graphics	Nozzle Capacity See graphics	Adjustable Nozzle pressure ranges 2 ÷ 14 bar (30 to 210 psi) 6 ÷ 18 bar (85 to 250 psi) 12 ÷ 30 bar (170 to 420 psi)	Suction Line Vacuum 0,5 bar (7,2 psi) max	Suction Line Pressure 0,7 bar (10 psi) max	Return Line Pressure 1,5 bar (21 psi) max	Rotation Speed 3500 rpm max	Standard Strainer Light oil: stainless steel wire cloth 140 cm ² (21,7 sq. in.) - 200µ Medium oil: stainless steel wire cloth 140 cm ² (21,7 sq. in.) - 300µ	Dimensions Hub dia. 54, shaft dia. 11,1 (DIN 24220)	Connections Supply port 3/8" G Vacuum gauge 3/8" G Nozzle 1/4" G Return 1/4" G Pressure gauge 1/8" G	Weight gr. 4.000
DELTA PUMPEN Typ «S»	Öl Viskositätsbereich 5 ÷ 800 cSt (1,4-105° E)	Öltemperatur 80°C max	Kraftbedarf Siehe Kurven	Düsenleistung Siehe Kurven	Druckbereich 2 ÷ 14 bar 6 ÷ 18 bar 12 ÷ 30 bar	Vakuum am Vorlauf 0,5 bar max	Druck am Vorlauf 0,7 bar max	Druck am Rücklauf 1,5 bar max	Drehzahl 3500 U/min max	Standard Filter Leichtöl: rostfrei Stahlgewebe 140 cm ² - 200µ Schweröl: rostfrei Stahlgewebe 140 cm ² - 300µ	Einbaumasse Nabe Ø 54, Welle Ø 11,1 (DIN 24220)	Leitungsanschlüsse Vorlauf 3/8" G Vakuummeter 3/8" G Düsenausgang 1/4" G Rücklauf 1/4" G Manometer 1/8" G	Gewicht gr. 4.000
POMPES DELTA type «S»	Viscosité de l'huile 5 ÷ 800 cSt (1,4-105° E)	Température de l'huile 80°C max	Puissance absorbée Voir schémas	Débit du gicleur Voir schémas	Gamme de pression 2 ÷ 14 bar 6 ÷ 18 bar 12 ÷ 30 bar	Vide en aspiration 0,5 bar max	Pression en aspiration 0,7 bar max	Pression de retour 1,5 bars max	Vitesse de rotation 3500 t/min max	Filtres standard Fioul domestique: toile acier inox 140 cm ² - 200µ Mazout: toile acier inox 140 cm ² - 300µ	Montage Moyeu Ø 54, arbre Ø 11,1 (DIN 24220)	Raccords hydrauliques Aspiration 3/8" G Vacuomètre 3/8" G Refoulement 1/4" G Retour 1/4" G Manomètre 1/8" G	Poids gr. 4.000





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