

TWIN-PUMP FEATURES AND BENEFITS

TWIN PUMPING UNIT

The pumping units can be quickly replaced since they are positioned on the front side of the pump. Downtime during maintenance is reduced to zero and the risk of contamination is eliminated.

ADVANTAGES

The system is always efficient with the double pumping unit. Constant lubrication can continue even if one module were to stop.

HIGH PERFORMANCE FLOW RATE AND PRESSURE

High pressure values and flow performance can be reached so as to supply any type of circuit.

SINGLE MECHANICAL PISTON MOVEMENT

A huge advantage in using the pump is the absence of return springs in the suction and delivery movement of the metering pistons. All the problems caused by the springs malfunctioning are eliminated.

CUSTOMISABLE

The versatility and simplicity of the structure allows various customisations to be made to the assembly with additional components to provide a completely customised service.

EASY-TO-USE ELECTRIC PUMP

The pump body is set up to receive the two pumping elements, the pressure relief valve, the pressure gauge and the electromagnetic or electropneumatic inverter.

ADVANTAGES

All the pipes and the external components have been eliminated

HIGH PERFORMANCE FLOW RATE AND PRESSURE

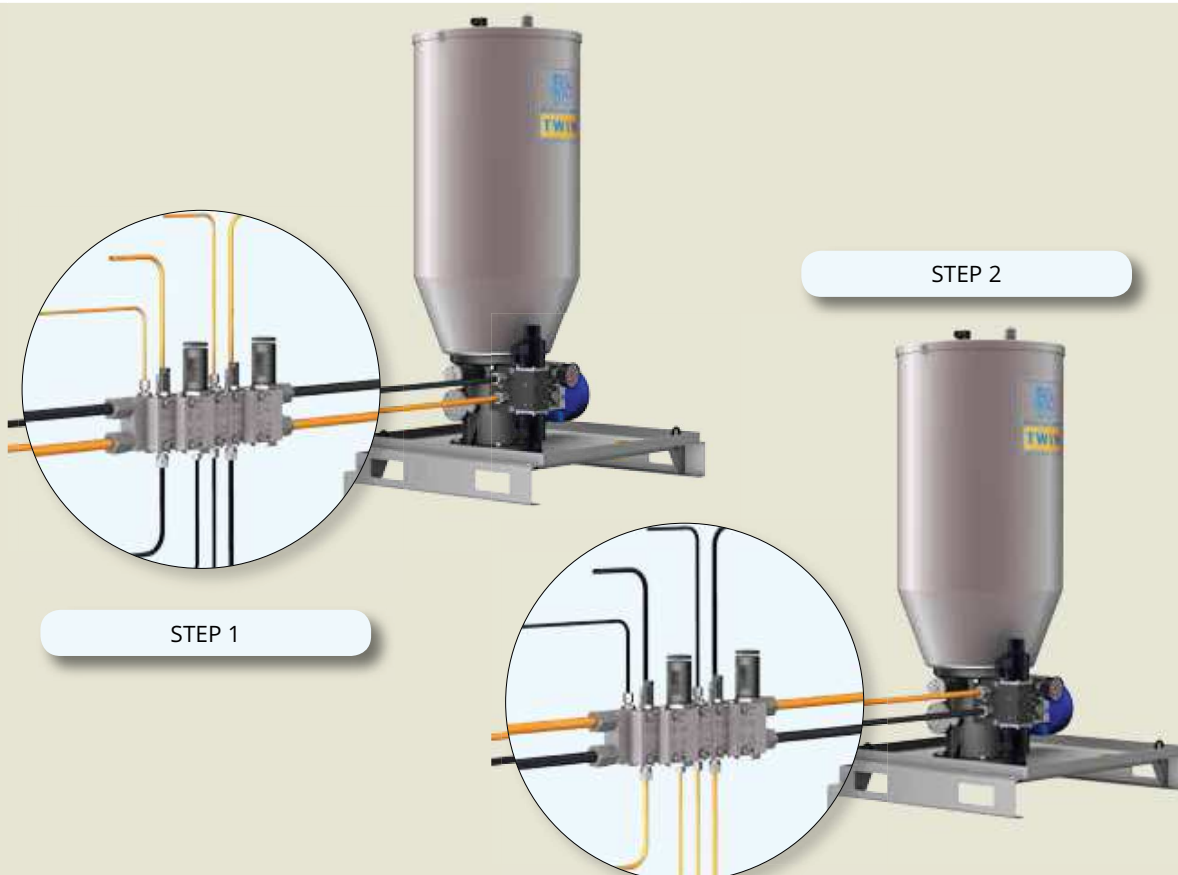
30 kg and 100 kg tanks for grease and oil with minimum and maximum level sensors on request, in AISI 316L

SINGLE MECHANICAL PISTON MOVEMENT

Available with motors having different voltages and in compliance with UL-CSA / NEMA / ATEX standards

CUSTOMISABLE

To guarantee safe and reliable handling, the pumps are supplied assembled to a metallic pallet that is easy grasped



INVERSION SYSTEM



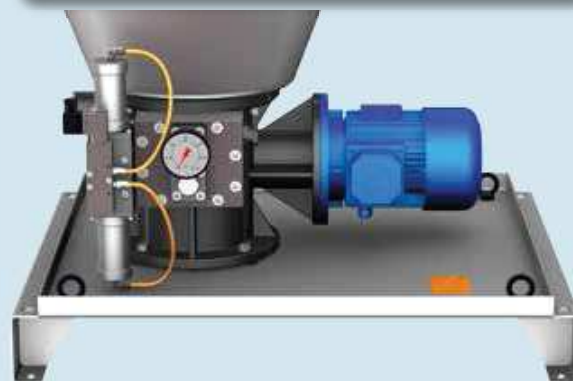
MAIN ELECTRIC TWIN-PUMP UNIT

The core of the electric pump consists of the **TWIN** pumping unit where the two elements that are driven alternately by the central cams are placed, which draw and supply lubricant. The main feature is the absence of return springs which can create problems of return or malfunctions. Inserted in the front body, they can be installed or removed without intervening on the pipes. The alternate movement of the two pistons guarantees a constant and homogeneous flow of the lubricant, the high performance pressure to be reached (400 Bar max) and the possibility of operating even if one of the two pumping elements were to stop. The pressure gauge and the adjustable safety valve are also found in the same body

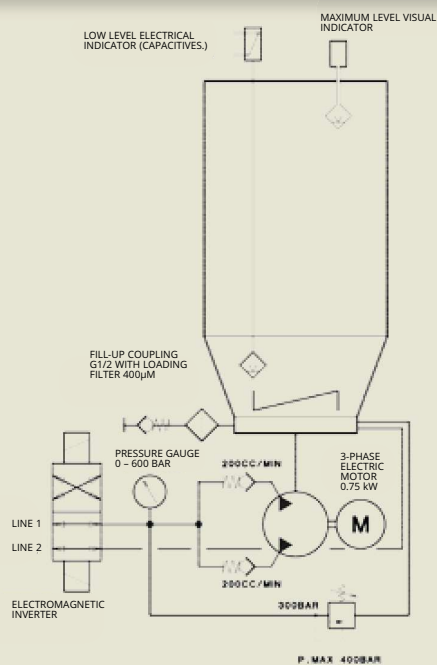
ELECTROMAGNETIC INVERTER (STANDARD)



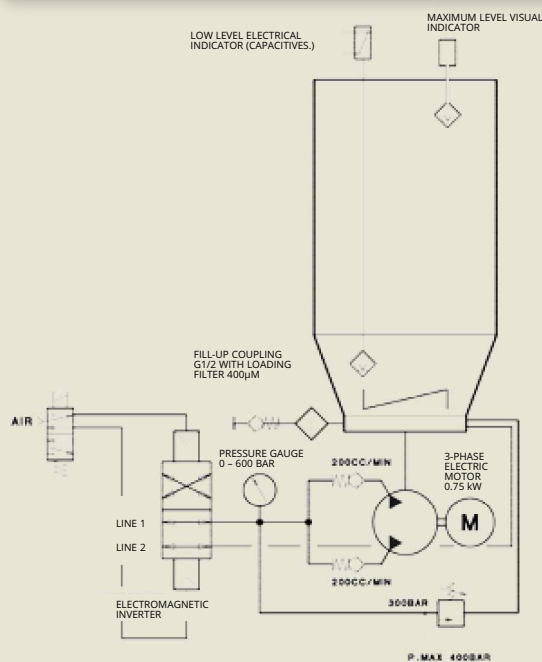
ELECTROPNEUMATIC INVERTER (OPTIONAL)



HYDRAULIC DIAGRAM



HYDRAULIC DIAGRAM



The appearance of the products can be subject to change without prior notice

TECHNICAL FEATURES

Operating pressure From 200 to 400 Bar max	Da 200 a 400 Bar Max
Pressure relief valve adjustment Standard set at 300 Bar	Di serie tarata a 300 Bar
Flow rate 400 cc/1'	400 cc/1'
Outlets 2 x 3/8" seats	2 sedi 3/8"
Operating temperature Min -25°C Max +70°C	Min -25°C - Max +70°C
Degree of protection IP 55	IP 55
Working humidity 90% max	90% max
Lubricants	Min. oil 50 cSt at operating temperature NLGI-2 Max grease at working temperature

TECHNICAL FEATURES

Motor	KW. 0,75 IP55 CL. F Service S1
Voltage	220-240 / 380-420V AC 50Hz 254-280 / 440-480V AC 60Hz
Adjustable by-pass valve	From 200 tp 400 bar
Pumping	2 pumping elements
Tank	30 kg 100 kg
Tank inlet	Filter with inlet valve
Inlet filter	400 µ
Minimum Electric Level for grease	PNP contact Capacitive Sensor
Maximum level for grease	Visual
Oil Electric Minimum/Maximum Level	Reed electric
Pressure gauge	0 - 600 Bar in glycerine bath Dn 63
Inversion module	Electromagnetic 24 V DC

TECHNICAL FEATURES

Single-phase voltage motor	115V AC 60Hz
	230V AC 50Hz
	330-575V AC 60Hz
Three-phase voltage motor	500V AC 50Hz
	380V AC 60Hz
	UL-CSA - NEMA
Motor standards	115 V AC
	230 V AC
	24 V AC
Electromagnetic Inversion Module	115 V AC
	230 V AC
	24 V DC
	24 V DC ATEX
	30 kg tank continuous reading
	100 kg tank continuous reading
Ultrasound grease minimum/maximum level	PNP contact Capacitive Sensor
	Maximum grease level
	tank 30 kg
Heating band	tank 100 kg
	tank 100 kg

COMPOSITION OF ORDERING CODES

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LUBRICANT

GREASE	G
OIL	O

TANK

30 Kg	03
100 Kg	10

MOTOR

THREE-PHASE	S
SINGLE-PHASE 115V	B
SINGLE-PHASE 230V	C
THREE-PHASE 330-575/60 Hz	D
THREE-PHASE 480/60 Hz	E
THREE-PHASE 380/60 Hz	F

REGULATIONS

STANDARD	S
UL-CSA	U
NEMA	N

ELECTROMAGNETIC
INVERSION MODULE

24 V DC	1
115 V AC	2
230 V AC	3

ELECTROPNEUMATIC
INVERSION MODULE

24 V DC	4
24 V AC	5
115 V AC	6
230 V AC	7
24 V DC ATEX	8

MINIMUM GREASE LEVEL

CAPACITIVE	A
ULTRASOUND (min - max)*	B

MAXIMUM GREASE LEVEL

VISUAL	1
CAPACITIVE	2

HEATING BAND

NO	A
SI	B

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*THE ULTRASOUND MODEL CONTROLS THE MINIMUM AND MAXIMUM LEVEL. IF SELECTED, MARK AN X IN THE NEXT OPTION

OVERALL DIMENSIONS

