

CHARACTERISTICS

- DUAL PUMP MODULES AS STANDARD FOR MAXIMUM UPTIME AND REDUNDANCY.
- QUICK SWAP PUMP MODULES MEAN ZERO DOWNTIME AND DISRUPTION TO PIPE-WORK DURING PUMP MAINTENANCE.
- HIGH OUTPUT AND PRESSURE MAKE LARGE EXTENDED SYSTEMS POSSIBLE:
 - 400CM³/MIN (24CU. IN)
 - 2X200 CM³/MIN MODULES
 - 400 BAR (5880 PSI)
- ELECTRICAL DUAL LINE INVERTER INTEGRATES DIRECTLY ONTO OUTLET.
- MINIMUM LEVEL CAPACITANCE SWITCH AND VISUAL MAXIMUM LEVEL AS STANDARD.
- HANDLES-GREASE NLGI 2.
- SUPPLIED ON A FIXING PALLET AS STANDARD FOR EASE OF TRANSPORTATION-AND INSTALLATION.

APPLICATIONS

- A HIGH PERFORMANCE PUMP SOLUTION FOR HEAVY DUTY APPLICATIONS IN DEMANDING ENVIRONMENTS SUCH AS THE PULP & PAPER AND STEEL INDUSTRY.

ELECTRIC PUMP SOLUTION SUMO

THE FLEXIBLE HIGH PERFORMANCE HEAVY DUTY

DUAL PUMPING MODULE

A generous 400 cm³/min flow, is provided by twin 200cm³/min pump modules installed in tandem configuration providing up to 400bar (5880 psi).

The twin pump module provides redundancy for high uptime – it allows the system to continue working even if one pump module becomes ineffective.

Sumo pump is suitable for large single line or dual line systems.

INSTRUMENTATION MODULES

Sophisticated add on instrumentation modules and options means even complex requirements can be met with off-the-shelf standard product.

QUICK SWAP SYSTEM

BOTH *PUMPING MODULES* can be quickly replaced from the front mounting of the pump. No pipe work needs to be disrupted meaning near-zero downtime during maintenance.

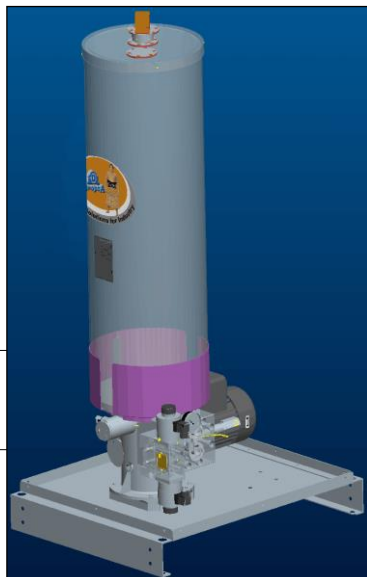
DUAL LINE OR SINGLE LINE IS EASY

The outlet plate fixing system has both Pressure and Return ports. The outlets are directly compatible with Dropsa's electrical or pneumatic line inverters (including Modular version).



SUMO TROLLEY MOUNTED

Sumo Pump trolley mounted 30 Kg metal reservoir; the system is complete of electrical equipment who allows engine control when the pressures exceed those previewed or in case of operation anomalies of distribution of the lubricating (gun with control valve).



SUMO TRANSPARENT RESERVOIR VERSION

Sumo Pump 80 Kg with transparent reservoir made of polyethylene for special applications.

Dropsa SUMO Pump system is protected by worldwide Patents.

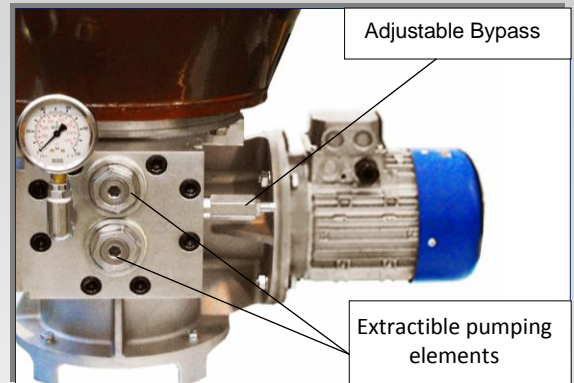
ADVANTAGES:

ADJUSTABLE PUMP ELEMENT: AVAILABLE AS OPTIONAL.

REDUCED INVESTMENT: WITH DUAL PUMPING MODULES, THE SYSTEM CAN CONTINUE EVEN IF ONE PUMP MODULE BECOMES INEFFECTIVE PROVIDING REDUNDANCY AND REDUCING NEED FOR A COMPLETE SECOND STANDBY PUMP.

FAST MAINTENANCE: QUICK SWAP PUMP MODULES CAN BE REPLACED IN SECONDS. PIPE WORK UNTOUCHED MEANS LESS CHANCES OF CONTAMINATION

COMPACT MODULAR DESIGN: ELIMINATES EXTERNAL PIPING OF COMPONENTS.



TECHNICAL INFORMATIONS

TECHNICAL CHARACTERISTICS	
Max pressure	5880 psi (400 bar)
Output Flow Delivery	400 cm ³ / min (24 cu. in/min) total (standard) 200 cm ³ (12 cu. in) single pumping
Operating Temperature	- 5° C to + 50° C (-4° to +122° F)
Operating Humidity	90% max
Protection grade	IP 55
Viscosity at operating temperature	Mineral oil lubricants Min. 32 cSt max. 1000 cSt
	Grease lubricants NGLI 2 Max.

DIMENSIONS

DIMENSION ISMM (INCHES)	
A	1020 (40.15), reservoir 30 kg
	1350 (53.14), reservoir 100 kg
B	615 (24.21), reservoir 30-100 kg
C	460 (18.11), reservoir 30-100 kg

STANDARD EQUIPMENT	
Electric Motor	Three phase 0.75kW, Protection Grade IP55 class B Voltage: 230-400 Volt 50 Hz 280-480Volt 60 Hz S1 Continuous Duty
Reservoir	30 kg (66lb) or 100 kg (220 lb)
Level Indicator	Low Level LASER level 24V cc Out NO e NC (1 threshold) Visual maximum level
Adjustable By-Pass	0-400 bar (0 – 5800 psi) 300 Bar (4410 psi) standard setting
Electrical Inverter Module	24V DC Inverter for pump outlet 110V AC 50/60Hz Inverter for pump outlet 230V AC 50/60HZ Inverter for pump outlet
Filling	Filling valve with filter
Pressure gauge	0-1000 bar (0-14700 psi) Front mounted

DUAL LINE SYSTEM

Sumo Pump is ideal for those applications that use Single and Dual Line. 400cm³ (2x200cm³) pump modules installed in tandem configuration provide 400bar (5880 psi) and redundancy. This allows the system to continue working even if one pump module becomes ineffective. Sumo pump is suitable for large single line or dual line systems.

SIMPLE AND RELIABLE PARTICULARLY IN HARSH ENVIRONMENTAL

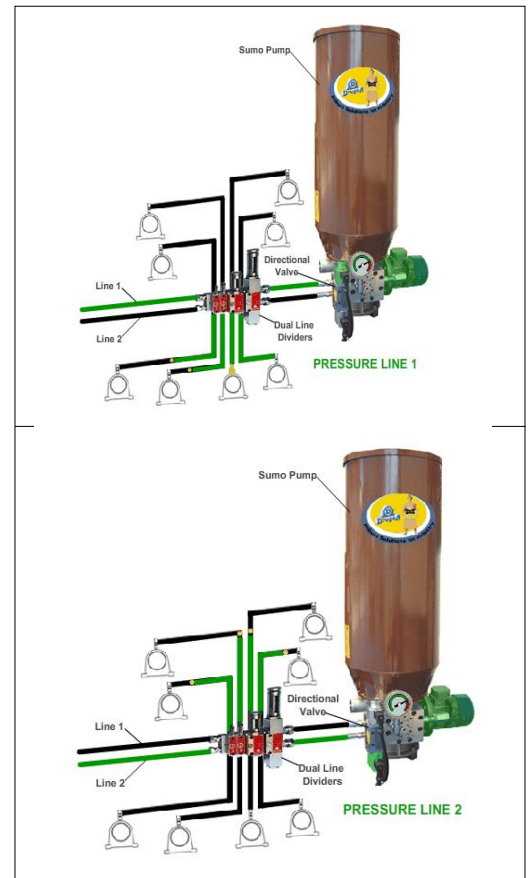
Lubrication systems engineered with the Dual Line System are generally used on large scale machinery and in harsh operating conditions to lubricate multiple points on large machines. The system can grow to a very complex one with a length that often can exceed 60 meters. The large section of pump packages together with many custom design options allows any lubrication system to be developed reliably and cost-effectively.

ADVANTAGES:

- Can be used at high pressures (400 Bar / 5880 psi)
- Easy Expansion or modification of the system
- Modular Elements (using the modular dual-line system) allows the element to be changed quickly and without disconnecting pipe work.
- In the event of a blocked point or element, the remainder of the lubrication system continues to operate normally.

TYPICAL APPLICATIONS:

- Paper Machines
- Steel Plants
- Cement Works
- Large Cranes and Loading Equipment



APPLICATION EXAPLES

The Sumo Pump can be incorporated into many custom applications, as shown below:



SUMO Pump semi-transparent reservoir with end of line pressure switches and control panel in a stainless box installed on the standard pallet



SUMO 100kg Pump with custom yellow coating assembled on a custom Stainless 316 Skid assembly incorporating a PLC control system Manual back up pump and electric barrel pump for filling



SUMO ATEX Stainless 316 version with Ex d motor Reservoir.



ORDERING INFORMATION

VERSIONS

				Q.TY
SUMO STANDARD	GREASE PUMP 30 kg	<input type="radio"/>	2477000	_____
	GREASE PUMP 100 kg	<input type="radio"/>	2477001	_____
	OIL PUMP 30 kg	<input type="radio"/>	2477050	_____
	OIL PUMP 100 kg	<input type="radio"/>	2477051	_____
SPECIAL VERSIONS	Pompa grasso serbatoio trasparente 80Kg (176 lb) invertitore a 24V DC	<input type="radio"/>	2477100	_____
SUMO ATEX	SUMO ATEX Pump in Stainless Steel 316 (For thecnical characteristics refer to C2137II manual pump)	<input type="radio"/>	2477201	_____
TROLLEY MOUNTED PUMP	Sumo Pump 30 Kg sheet metal reservoir	<input type="radio"/>	1525212	_____

OPTIONAL

				Q.TY
Transparent reservoir	Reservoir, including the tank (PN# 0295056) and all accessories required for use (flanges, screws, nuts, seals)	<input type="radio"/>	0295210	_____
Pumping element modules	Reserve pumping module 200cm3/min (24 cu. in)	<input type="radio"/>	0295040C*	_____
	Closure cap for fixed delivery pumping element	<input type="radio"/>	0295024	_____
Oil conversion	Min/max oil level float kit 30 Kg (66lb)	<input type="radio"/>	0295150	_____
	Min/max oil level float kit 100 Kg (220lb)	<input type="radio"/>	0295160	_____
	Filling cap with filter	<input type="radio"/>	3130138	_____
Terminal Box bracket	Bracket for installing a terminal wiring box onto the base pallet	<input type="radio"/>	3044455	_____
Terminal	Terminal box	<input type="radio"/>	0291655	_____
Electrical control box Bracket	Bracket for installing a control box onto the base pallet	<input type="radio"/>	3044456	_____
Metal pallet	Metal Pallet used as the base of the packaging and also for installation of the pump	<input type="radio"/>	0043446	_____

* Interchangeable with pumping 0296080C

SPARE PARTS

Maximum mechanical level kit 30-100 kg (grease)	<input type="radio"/>	0295100	_____
Laser probe assembly 30÷100 Kg - 24V cc Out NO e NC (1 threshold)	<input type="radio"/>	0295131	_____
Laser level kit 24V cc Out 4÷20mA/2 NO (4 thresholds) - 30 kg - VARIANT 2	<input type="radio"/>	0295130	_____
Laser level kit 24V cc Out 4÷20mA/2 NO (4 thresholds) - 100 kg - VARIANT 3	<input type="radio"/>	0295121	_____
Minimum level kit (250V AC) 30 kg (grease)	<input type="radio"/>	0295122	_____
Minimum level kit (250V AC) 100 kg (grease)	<input type="radio"/>	0295140	_____
Ultrasound level kit 30 kg - VARIANT 5	<input type="radio"/>	0295150	_____
Ultrasound level kit 100 kg - VARIANT 6	<input type="radio"/>	0295160	_____
Maximum and minimum float level kit 30 kg (oil)	<input type="radio"/>	0295009	_____
Maximum and minimum float level kit 100 kg (oil)	<input type="radio"/>	0234815	_____
Grease loading filter	<input type="radio"/>	3190487	_____
By-pass	<input type="radio"/>	0018863	_____
Tank flange gasket	<input type="radio"/>	3190489	_____
Manifold gasket (pump body)	<input type="radio"/>	3190487	_____
Manifold gasket (pumping)	<input type="radio"/>	0061135	_____
295009 Filter gasket	<input type="radio"/>	3190488	_____
Filter cover gasket	<input type="radio"/>	3190485	_____
Wormskrew assembly cover gasket	<input type="radio"/>	0295020	_____
Body-pump reservoir gasket	<input type="radio"/>	0295010	_____
Helicoidal gear assembly	<input type="radio"/>		_____
Wormskrew assembly	<input type="radio"/>		_____

Info Distributore: