





CHARACTERISTICS

- DUAL PUMP MODULES AS STANDARD FOR MAXIMUM UPTIME AND REDUNDANCY.
- HIGH PRESSURE AND FLOW RATE FOR VERY EXTENSIVE **SYSTEMS**
- 380 cm³/min (2x 190 CM3/MIN PER MODULE)
- 400 BAR (5800 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.
- IO-LINK **ULTRASONIC SENSOR.**

APPLICATIONS

- **HEAVY DUTY APPLICATIONS IN** DEMANDING **ENVIRONMENTS**
- STEEL INDUSTRY
- PULP & PAPER
- **CEMENT WORKS**
- STEEL PLANT
- **OFF-SHORE**
- LARGE CRANES AND LOADING EQUIPMENT

ELECTRIC PUMP SOLUTION SUMO II

THE FLEXIBLE HIGH PERFORMANCE HEAVY DUTY

DUAL PUMPING MODULE

The SUMO II pump is the ideal electric DropsA pump for use with dual-line systems.

The two pumps installed using the dual configuration guarantees a maximum pressure of 400 bar in redundancy mode. Configured in this way, it also works even if one of the two pumps should stop.

INSTRUMENTATION AND MODULES

SUMO II can be equipped with sophisticated additional modules to adapt the pump to complex applications using DropsA standard products.

QUICK SWAP SYSTEM

Both **PUMPING MODULES** can be quickly replaced. In fact, it not necessary to take any action on the pipework and connections, reducing downtime during maintenance to practically zero.

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).



DUAL LINE SYSTEM

SIMPLE AND RELIABLE PARTICULARLY IN HARSH **ENVIRONMENTAL**

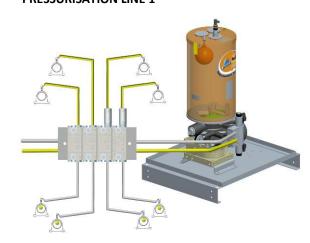
The lubrication systems designed with the dual-line system are generally used for lubricating several points on over-size machinery and uncomfortable functioning conditions.

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 costeffectively.

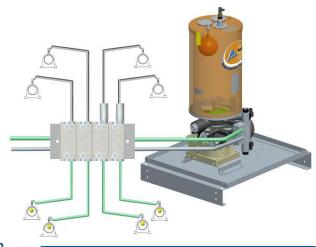
ADVANTAGES:

- 1. Can be used at high pressures.
- 2. Easily to expand or modify the system
- 3. The modular elements allow for the element to be changed quickly without disconnecting the pipework.
- 4. In the event that a point to be lubricated becomes blocked or is not adequately lubricated, the rest of the system is not influenced and continues to operate normally.

PRESSURISATION LINE 1



PRESSURISATION LINE 2





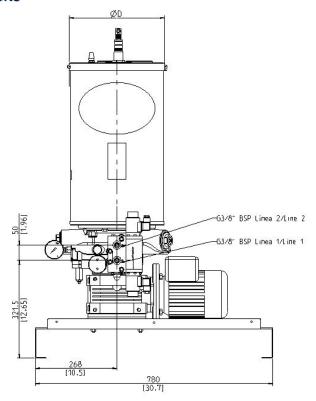


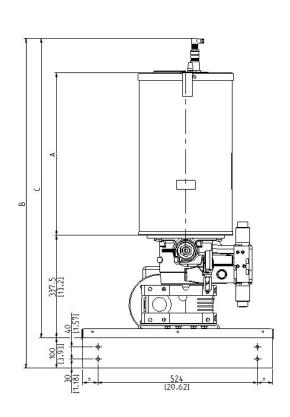


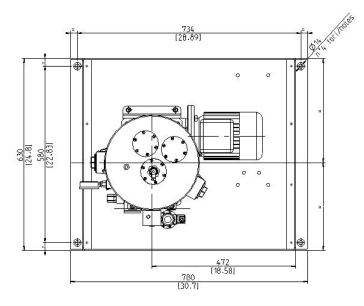
TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS					
Max pressure	5800 psi (400 bar)				
Output Flow Delivery	380 cm³ / min (22.8 cu. in/min) total (standard) 190 cm³ (11.59 cu. in) single pumping				
Operating Temperature	- 10 ÷ + 50 ℃ (+14÷122F)				
Operating Humidity	90% max				
Protection grade	IP 55				
Viscosity at operating temperature	Mineral oil lubricants Min. 32 cSt max. 1000 cSt				

DIMENSIONS







	30	Kg	100 Kg		
	mm	in	mm	in	
Α	533.5	21	983.5	38.7	
В	1080	42.5	1530	60.2	
С	980	38.58	1430	56.3	
D	313	12.32	413	16.25	





Standard



Optional

ORDERING INFORMATION

Note: The pump's ordering part number is made up of 11 digits

SUMO II Subset Al 51/6 77 77 78 87 97 107 117							Standard		Optio			<u></u> 1
Part. No. CODE	SUMO II		Data base								-	
Reservoir 30 kg				245	0	00	0		0	0	0	0
Reservoir 30 kg		Description	Part. No.	CODE								
100 kg		-	-	0								
Motor not present -	Reservoir	30 kg	0295080	1								
STANDARD IES 230/400 96/14 - 280/4200 66/14 3301651 02 440 V 60 Hz with anti-condensation heater 110V AC 3301650 02 440 V 60 Hz with anti-condensation heater 110V AC 3301651 03 460 V 60 Hz 3301652 04 575 V 60 Hz 3301653 05 500 V 50 Hz 3301653 05 500 V 50 Hz 3301655 07 500 V 50 Hz 3301657 51 460 V 60 Hz 430 V 50 Hz 3301570 51 460 V 60 Hz 430 V 50 Hz 3301570 51 460 V 60 Hz 430 V 50 Hz 3301670 51 460 V 60 Hz 430 V 50 Hz 3301673 55 50 V 50 Hz 3301674 56 00 V 50 Hz 3301673 55 50 V 50 Hz 3301674 56 00 V 50 Hz 3301673 55 50 V 50 Hz 3301673 55		100 kg	0295090	2								
### ### ##############################		Motor not present	-	00								
### AdV bo Hz with arti-condensation heater 110V AC ### A301650 02 ### A40V bo Hz with arti-condensation heater 110V AC ### A301651 03 ### A50V bo Hz 3301652 04 ### A50V bo Hz 3301653 05 ### A50V bo Hz 3301653 05 ### A50V bo Hz 3301655 07 ### A50V bo Hz 3301655 07 ### A50V bo Hz 3301655 07 ### A50V bo Hz 3301655 08 ### A50V bo Hz 3301659 09 ### Ut and CSA standard with 182 320/ 400V bo Hz 3301657 51 ### A60V bo Hz 3301670 51 ### A60V bo Hz 3301671 52 ### A60V bo Hz 3301671 52 ### A50V bo Hz 3301671 55 ### A50V bo Hz 3301671 55 ### A50V bo Hz 3301672 54 ### A50V bo Hz 3301673 55 ### A50V bo Hz 3301674 56 ### DUI and NEMA standard 230/460V 60 Hz 00 request 80 ### A70V bo Hz 3301674 56 ### Ut and NEMA standard 230/460V 60 Hz 00 request 80 ### A70V bo Hz 3301674 56 ### A70V bo Hz 3301579 95 ### A70V bo Hz 3301579		STANDARD IE3	2201001	01								
### Add V 60 Hz with anti-condensation heater 110 V AC ### A60 V 50 Hz ### A60		230/400V 50Hz - 280/480V 60Hz	3301081	01								
## ## ## ## ## ## ## ## ## ## ## ## ##		440 V 60 Hz	3301650	02								
S75 V 60 Hz 3301653 05		440 V 60 Hz with anti-condensation heater 110V AC	3301651	03								
SSO V SO Hz 3301654 06		460 V 60 Hz	3301652	04								
S25 V 50 Hz 3301655 07		575 V 60 Hz	3301653	05								
Triphase electric		500 V 50 Hz	3301654	06								
SSU 9 JU	Triphaco alactric	525 V 50 Hz	3301655	07								
UL and CSA standard with 163 230/400V 50 Hz 3301528 50	·	550 V 50 Hz	3301656	08								
\$280,489V.60Hz \$3901528 \$50 \$440 V 60 Hz \$3301670 \$51 \$460 V 60 Hz \$3301671 \$52 \$460 V 60 Hz \$460 V 60 Hz \$3301671 \$52 \$460 V 60 Hz \$460 V 60 Hz \$3301672 \$54 \$55 V 60 Hz \$3301673 \$55 \$53 \$50 V 50 Hz \$3301673 \$55 \$55 V 60 Hz \$3301674 \$56 \$150 V 50 Hz \$3301674 \$56 \$150 V 50 Hz \$3301674 \$56 \$150 V 50 Hz \$3301539 \$95 \$150 V 50 Hz \$150 V 50 V 50 V 50 Hz \$150 V 50 V 50 V 50 V 50 Hz \$150 V 50 V 50 V 50 V 50 V 50 Hz \$150 V 50 V	motor		3301659	09								
460 V 60 Hz 3301671 52		•	3301528	50								
A60V 60Hz with anti-condensing heater 120V 3301556 53		440 V 60 Hz	3301670	51								
S75 V 60 Hz 3301672 54		460 V 60 Hz	3301671	52								
S00 V 50 Hz 3301673 55 550 V 50 Hz 3301674 56		460V 60Hz with anti-condensing heater 120V	3301556	53								
S50 V S0 Hz		575 V 60 Hz	3301672	54								
Pneumatic motor 3301539 95		500 V 50 Hz	3301673	55								
Pineumatic motor 3301539 95		550 V 50 Hz	3301674	56								
Inverter NOT PRESENT		UL and NEMA standard 230/460V 60 Hz	On request	80								
A/3 Valve	Pneumatic motor		3301539	95								
A/2 Electromagnetic inverter		Inverter NOT PRESENT	-	0								
A/2 electro pneumatic inverter 24 V DC	4/3 Valve	24 V DC	0083550	1								
Hydraulic inverter		24 V DC	0083560	2								
Laser level standard 24V cc Out NO e NC (1 threshold) 0295131 0	·	24 V DC	0083580	3								
Laser level standard 24V cc Out NO e NC (1 threshold) 0295131 0	Hydraulic inverter		0086450	4								
Laser with 2 outlets digital configurable and 4÷20mA 0295130 1	Optional											
Minimum Level		Laser level standard 24V cc Out NO e NC (1 threshold)	0295131	0								
Minimum Level		Laser with 2 outlets digital configurable and 4:20mA	0295130	1	1							
** Float Reed for oil 100 kg 0295160+3130138 3 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 4 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295100 0 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 ** IO-L	Minimum Lauri				1							
** IO-Link ultrasonics and/or programmable IO-Link switching output Floating visual level O295100 O Laser 24V cc Out NO and NC (1 threshold) ** IO-Link ultrasonics and/or programmable IO-Link switching output ** IO-Link ultrasonics and/or programmable IO-Link switching output Heating Band NOT PRESENT Heating Band 100 kg Pump Heating Band 0295065 30 kg Pump Heating Band 0295066 The pump is equipped with 2 pumping elements with fixed flow rate O296090 O O295202 4 O295100 O O295131 (For 30 kg - 100 kg) 1 O295202 2 COUNTIESTENT OCU OCU OCU OCU OCU OCU OCU OC	Minimum Level				1							
Maximum Level Laser 24V cc Out NO and NC (1 threshold) 0295131 (For 30 kg - 100 kg) 1 Heating Band (or programmable IO-Link switching output 0295202 2 Heating Band NOT PRESENT - 0 Heating Band 0295065 1 30 kg Pump Heating Band 0295066 2 Pumping elements With fixed flow rate 0296090 0		** IO-Link ultrasonics										
Maximum Level Laser 24V cc Out NO and NC (1 threshold) (For 30 kg - 100 kg) 1 ** IO-Link ultrasonics and/or programmable IO-Link switching output 0295202 2 Heating Band NOT PRESENT - 0 Heating Band 0295065 1 30 kg Pump Heating Band 0295066 2 The pump is equipped with 2 pumping elements with fixed flow rate 0296090 0		Floating visual level	0295100	0								
And/or programmable IO-Link switching output Heating Band NOT PRESENT Heating Band 100 kg Pump Heating Band 30 kg Pump Heating Band 2295065 The pump is equipped with 2 pumping elements with fixed flow rate 0295090 0	Maximum Level	Laser 24V cc Out NO and NC (1 threshold)		1								
Heating Band 100 kg Pump Heating Band 0295065 1 30 kg Pump Heating Band 0295066 2 The pump is equipped with 2 pumping elements with fixed flow rate 0296090 0			0295202	2								
30 kg Pump Heating Band 0295066 2 The pump is equipped with 2 pumping elements 0296090 0 Pumping elements with fixed flow rate		Heating Band NOT PRESENT	-	0							-	
The pump is equipped with 2 pumping elements 0296090 0 Pumping elements with fixed flow rate	Heating Band	100 kg Pump Heating Band	0295065	1								
Pumping elements with fixed flow rate		30 kg Pump Heating Band	0295066	2								
	Pumping elements		0296090	0							_	
			0296090+0295049	1								







- * The floating switch levels for oil signal both the minimum and the maximum level.
- ** For blue greases, only the sensor specified in the table must be used.

	OPTIONAL	CODES
	Min/max oil level float kit 30 Kg (66lb)	0295150
Oil conversion	Min/max oil level float kit 100 Kg (220lb)	0295160
	Filling cap with filter	3130138
Terminal Box bracket	Bracket for installing a terminal wiring box onto the base pallet	3044455
Terminal	Terminal box	0291655
Electrical control box Bracket	Bracket for installing a control box onto the base pallet	3044456
Metal pallet	Metal Pallet used as the base of the packaging and also for installation of the pump	0297150
	SPARE PARTS	CODES
	3Ph - 0,75 Kw IE3- 230Δ/400Y 50Hz 280Δ/480Y 60Hz	3301081
Motors	3Ph UL e CSA - 0,75 Kw IE3- 230Δ/400Y 50H 280Δ/480Y 60Hz	3301528
Reducer i=40		3301608
Maximum mechanical level kit 30 and 100 Kg (grease)		
Laser probe assembly 30÷100 Kg - 24V cc Out NO e NC (1 threshold)		
Laser level kit 24V cc Out 4÷20mA/2 NO (4 thresholds) – 30 Kg		
Laser level kit 24V cc Out 4÷20mA/2 NO (4 thresholds) – 100 Kg		
Grease loading filter		
Stirring paddle filter		
O-ring reservoir		
Bypass		
Pressure gauge 0 - 600 Bar		
Pumping*		
Metallic pallet		

*Attention:

for pump with pumping element marked "A" the order code is 0296090C for pump with pumping element without marking, the order code is 0296080C

Info Distributor:

C2248PE WK 32/25

Dropsa products can be purchased from Dropsa subsidiary and Dropsa sales representatives, visit www.dropsa.com/contact or contact us sales@dropsa.com/contact or contact us sales@dropsa.com/contact/ or contact us sales@dropsa.com/contact/ or contact us sales@dropsa.com/contact/ or contact/sales@dropsa.com/contact/sales@dropsa.com/contact/sales@dropsa.com/contact/sales@dropsa.com/contact/sales@dropsa.com/contact/<a