

CAHARACTERISTICS

- **PROTECTIVE CASING**
- **DUAL MODULE PUMPING ELEMENT**
- **LASER MINIMUM LEVEL AS STANDARD**
- **"QUICK SWAP" MODULE:**
EASY REPLACEMENT OF THE PUMPING ELEMENTS WITHOUT INTERRUPTION OF THE CONNECTIONS IN THE MAINTENANCE PHASE
- **COMPATIBLE WITH**
- **02 SYSTEM**
- **SERIAL 26**
- **RESERVOIR CAPACITY:**
10 KG, 30 KG, 100 KG
- **FLOW RATE:**
55 cc/MIN
(WITH 1 PUMPING ELEMENT)
110 cc/MIN
(WITH 2 PUMPING ELEMENT)
- **OPERATING TEMPERATURE**
FROM **-20°C**
TO **+40 °C**

APPLICATIONS

- **EXPLOSION-RISK ENVIRONMENTS**
- **HEAVY INDUSTRY AND DIFFICULT ENVIRONMENTS**
- **PAPER MILLS**
- **STEEL PLANTS**
- **OFFSHORE**

MINI-SUMO II ATEX ELECTRIC PUMP

THE COMPACT SOLUTION FOR EXPLOSION-RISK ENVIRONMENTS

The MINI SUMO II ATEX pump is the DropSA electric pump with a protective casing that makes it ideal for use in Zone 1 and 21, Zone 2 and 22 (ATEX) explosion-risk environments.

Ideal for the 02 Dual Line system and for the progressive system – Serial 26, the MINI SUMO II ATEX pump was designed to feed lubrication systems that use both oil and grease with NLGI 2 maximum consistency.

The version with two modules ensures a flow capacity of 110 Litres/min at a maximum pressure of 380 bar in redundancy.

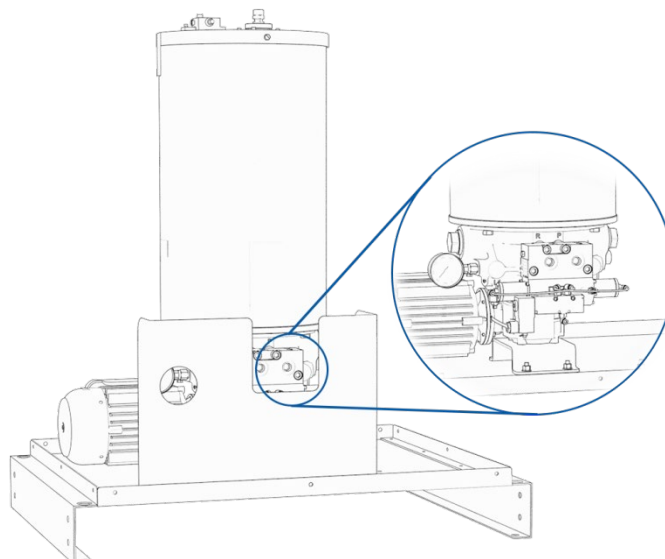
Thanks to the system with Dual pumping element, the system is always efficient because it can continue to operate even if one of the two modules were to stop.

The MINI SUMO II ATEX is generally applied to lubricate multiple points on large scale machinery in very harsh conditions, especially in explosion-risk environment.

ZERO MACHINE STOPPAGE DURING MAINTENANCE

The Quick Swap system allows both pumping elements positioned on the right side of the pump to be replaced in just a few seconds, without touching the connection and reducing the risk of contamination. Furthermore, no operations on the piping and its connections are required.

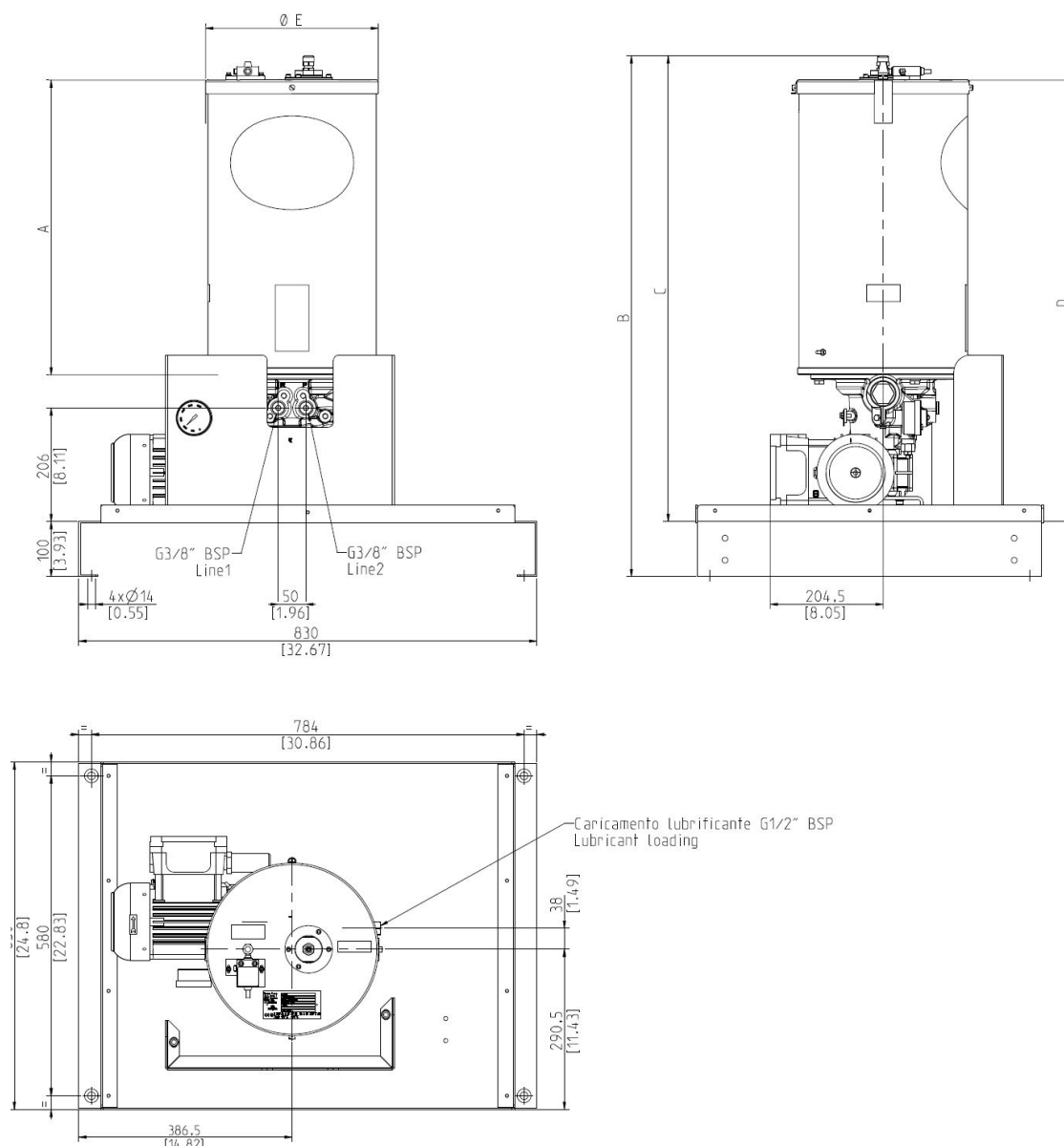
PUMPING ELEMENT FITTED WITH ELECTROMAGNETIC INVERTER (OR HYDRAULIC) FOR DUAL LINE (OPTIONAL)



TECHNICAL INFORMATION

TECHNICAL FEATURES	
Maximum operating pressures	380 bar (5511 psi)
Output flow delivery	110 cm ³ /min total (standard) 55 cm ³ single pumping
Operating temperature	- 20 ÷ + 40 °C (- 4 ÷ 104 °F)
Operating humidity	90% rel humidity.
Degree of motor protection	IP 65
Viscosity at operating temperature	Lubricating oil Min. 32 cSt; grease Max. NLGI2

DIMENSIONS



	10 Kg	30 Kg	100 Kg
A	389 [15.3]	578 [22.7]	1028 [40.5]
B	756 [29.8]	945 [37.2]	1395 [54.9]
C	659 [25.9]	848 [33.4]	1298 [51.1]
D	614 [24.2]	803 [31.6]	1253 [49.3]
E	Ø313 [12.3]	Ø313 [12.3]	Ø413 [16.25]



MINI SUMO II ATEX ORDERING INFORMATION

Note: the pump order code has 7 numbers , the numbers 8,9,10 shall be used only if additional options are required.

				Standard							
			Data base	4°	5°/6°	7°	-	8°/9°	10°	11°	
MINISUMO II ATEX PUMP			254	0	00	0		0	0	0	
	Descrizione	DROPSA code	CODE								
Tank	-	-	0								
	10kg	0297074	1								
	30kg	0297060	2								
	100kg	0297098	3								
Three-phase electric motor	Motor not present	-	00								
	230Δ/400Y - ±5% 50Hz 220Δ/380Y - ±5% 50Hz 240Δ/415Y - ±5% 50Hz 265Δ/460Y - ±5% 60Hz	3301771	01								
	Pneumatic motor	3140866	02								
	480V – 60Hz	3301781	03								
	Does not have inverter	-	0								
4/2 electro-pneumatic inverter	24 V DC	0083570	1								
	24 V AC	0083571	2								
	110 V AC	0083572	3								
	230 V AC	0083573	4								
Hydraulic inverter		0086450	5								
Maximum minimum level	Grease capacitive Exi (minimum) + Microswitch Exd (max)	0297075 (10kg)	01								
		0297061 (30kg)	02								
		0297110 (100kg)	03								
	Exd oil level float	0295152 (10kg)	04								
		0295153 (30kg)	05								
		0295156 (100kg)	06								
	Oil / grease Laser 2 configurable digital outputs and 4÷20Ma Exd housing	0295145 (30kg)	07								
		0295135 (100kg)	08								
	Ultrasound	0297116 (30kg)	09								
		0297114 (100kg)	10								
Pumping elements	Two pumping elements	0298000	0								
	One pumping element	0298000-0298005	1								
Terminal board	Without terminal board	-	0								
	Terminal board complete with wiring	1525722	1								

* The level floats for oil signal the minimum and maximum level.

Contact our technical sales office for special supplies, for example version with separate outlets.



Spare part description		Code
Motors	3Ph – 0.37 Kw - 230Δ/400Y - 50Hz 220Δ/380Y - 50Hz 240Δ/415Y - 50Hz 65Δ/460Y - 60Hz	3301771
	3Ph – 0.37 Kw – 480V – 60Hz	3301781
	Pneumatic	3301787
Reducer i=40		3301770
10 kg capacitive level		0297076
30 kg capacitive level		0297063
100 kg capacitive level		0297115
Microswitch		3164135
Filling filter		0297007
Paddle filter		0297161
Tank o-ring		3190485
By-pass		0234496
Pressure gauge 0 - 600 Bar		3292154
Pumping element		0298000C
Metal pallet		0297166