BRAVO





CHARACTERISTICS

- Modular stackable reservoirs & Minimum level as standard
- VOLTAGES:
 12V AC/DC
 24V AC/DC
 110V/230V 50/60 Hz,
 as standard.
- FLOW RATE:
 2,8cm³/min
 0,4 ÷ 2,8
 cm³/min5,2cm³/min
- RESERVOIRS:2, 5, 8 litres
- INTEGRATED
 FIXTURE: for SMP and
 SMPM distributors
- MULTI LUBE CYCLE: multiple sensor counts and selectable prelube function
- DUAL ACCESS PORTS: for convenient refilling and grease return line
- MULTI CONNECTOR
 SYSTEM: allow many
 electrical connector
 types to be applied to
 the standard product
 to suit varied OEM
 and end user
 requirements
- MINIMUM LEVEL as standard
- 2.8cm³/min
 PUMPING UNIT AS
 STANDARD

APPLICATIONS

- MOBILE PLANT AND VEHICLE LUBRICATION
- MACHINE TOOLS: like glass working machines or wood-working machines.
- HEAVY VEHICLES: like earth moving machines, harvesters and other uses for special machines or vehicles.
- HEAVY INDUSTRIES: like mining or construction.
- CHAIN & GEAR LUBRICATION.

THE SMALL PUMP PACKAGE WITH BIG FEATURES THE HEAVY DUTY PUMP FOR INDUSTRY AND VEHICLES

DESIGN AND ADVANCED SOLUTIONS

The **BRAVO** electric pump is a piston pump predisposed to operate with a maximum of three pumping units, with or without internal by-pass. Designed to work with progressive systems, it can feed several independent lines and, combining the outlets of two/three pumping units, the flow can be doubled or tripled.

The pump is available in two versions:

MANUAL: can be managed by an external PLC. Since it does not come with an internal control unit, this is the most economic solution for lubricating your systems.

AUTOMATIC: with electronic board built-in and local manual start-up. Thanks to the remote button, you can manually start the lubrication cycle on request. Low level sensor and one pumping are included as standard equipment.



- Sturdy and heavy duty design
- Designed for industrial lubrication systems, heavy equipment and farm equipment;
- For progressive systems with many lubrication points;
- Alternative to manual lubrication
- Multiple pumping units
- VARIO-DRIVE control, the pump motor management system that protects and electronically adjusts the pumping system (automatic version).
- Multi-connector system: allows application of many types of standard connectors for the electrical connection. An OEM connection can also be created on request.

TECHNICAL INFORMATION

TECHNICAL CHARACTERISTICS	
Number of outlets / pumping elements	1 (3 max.)
Outlet thread	1/4" BSP
Nominal output per pump element (20 RMP) *	2,8 cm³/min (0.17 in³/min) 5,2 cm³/min (0.31 in³/min) 0,4 ÷ 2,8 cm³/min (0.02 ÷ 0.17 in³/min) - Adjustable
Working pressure	280 bar (4061 psi)
Integrated By-pass pressure (if present)	320 bar ±30 bar (4641 psi ±435 psi)
Reservoir Capacity	2-5-8 litres (0.53-1.32-2.11 gallons)
Max Grease capability	Grease NLGI 2
Operating temperature	-25°C ÷ +80°C
Storage temperature	-30°C ÷ +90°C
Protection grade	IP65 (IP 69K with special equipment)

www.dropsa.com