Key Features

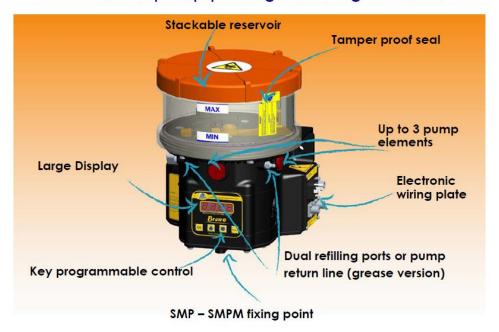
- Modular stackable reservoirs & Minimum level as standard.
- Voltages available: 12V AC/DC 24V AC/DC 110V/230V 50/60 Hz, as standard.
- Integrated fixture: for SMP and SMPM distributors
- VARIO-Drive: allows electronic variation of pump output 50-100% of nominal output.
- Diagnostic and event logging: remote download ready.
- Multi Lube cycle: selectable pre-lube function.
- Multi connector system: allow many electrical connector types to be applied to the standard product to suit varied OEM and end user requirements.
- Dual access ports: for convenient refilling and grease return line.

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.



Grease and Oil lubrication for industry and mobile plant.

DESIGN AND ADVANCED SOLUTIONS

This small pump package contains many innovative features exclusive to DropsA allowing fresh possibilities in lubrication systems engineering.

It is suited for not only for indoor industrial applications but also mobile plant and vehicle lubrication systems.

VARIO-DRIVE: THE INNOVATIVE SYSTEM

VARIO-Drive is a new power management system for the pump motor that protects and adjusts the pumping system electronically. That means increased reliability and greater lifespan of the pump motor as well as the ability to electronically adjust the pump output from 50% to 100% of its nominal value.

You will find that you are able to precisely control and engineer systems like never before.

NEW GENERATION CONTROLLER

The integrated next generation control system is a central to delivering these new solutions to the customer.

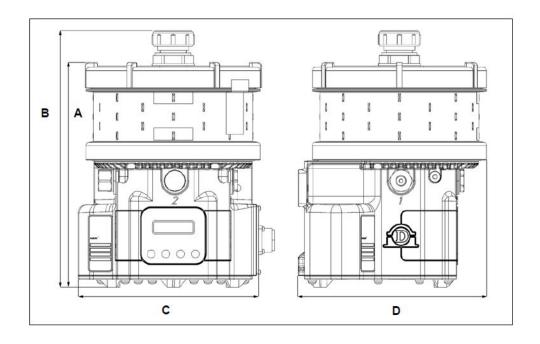
It allows five different ways to trigger and control the lubrication event in a system:

- Time based interval: 0 min 99 hours
- 2. Impulse Counter: 1 9999 cycles
- Combined Trigger: both Timer and impulse counter
- 4. **Impulse Driven**: uses impulse input to determine both standby and operation mode (0-9999 impulses)
- Remote Only: Acts as Slave to host machine.

Technical Information

TECHNIC	AL CHARACTERISTICS			
Bypass pressure setting	250 bar (3675 psi)			
Single outlet Output Flow Delivery	2.8 cm ³ / min a 20 rpm (0.17 cu. in/min)			
Operating Temperature	- 30° C to + 80° C (-22° to +176° F)			
Number of outlets	1 standard, 3 max.			
Reservoir capacity	2-5-8 kg. (4,4-11,17.6 lb) (with 1 or 2 or 3 reservoirs)			
Grease Viscosity	Max. NGLI 2 (at operating temperature)			
Oil Viscosity	Min. 46 cSt max. 1000 cSt			
Operating Humidity	90% max (at operating temperature)			
Protection grade	IP 65			

	DIMENSION	S M	M (INCHES)	
	Grease versions	i.	Oil versions	
	284 (11), 1 reservoir		324 (12.75), 1 reservoir	
A	380 (15), 2 reservoirs	В	420 (16.53), 2 reservoirs	
	476 (19), 3 reservoirs		516 (20.13), 3 reservoirs	
С	231,94 (9.13)			
D	238 (9.37)			



Order Information

Step 1 – Choose your Bravo version

		MANU	AL VERSI	0 N		
	Oil			Grease		
	Reservoir 2 kg. (4.4 lb.)	Reservoir 5 kg. (11 lb)	Reservoir 8 kg. (17.6 lb)	Reservoir 2 kg. (4.4 lb.)	Reservoir 5 kg. (11 lb)	Reservoir 8 kg. (17.6 lb)
110V-220V	0888421	0888422	0888423	0888406	0888407	0888408
12V AC/DC	0888424	0888425	0888426	0888409	0888410	0888411
24V AC/DC	0888427	0888428	0888429	0888412	0888413	0888414

		AUTOMA	TIC VERS	SION		
	Oil			Grease		
	Reservoir 2 kg. (4.4 lb.)	Reservoir 5 kg. (11 lb)	Reservoir 8 kg. (17.6 lb)	Reservoir 2 kg. (4.4 lb.)	Reservoir 5 kg. (11 lb)	Reservoir 8 kg. (17.6 lb)
110V-220V	0888415	0888416	0888417	0888400	0888401	0888402
12V -24V DC/AC	0888418	0888419	0888420	0888403	0888404	0888405

Step 2 – Choose the connector system

	CONNECTORS FOR	AUTOMA	TIC VERSION	
Base		Connector		
Part. N.	Description	Part. N.	Description	
0888102	"Amphenol" connector base	0039829	Female connector	
0888059	Base for connectors "MPM X 4 - 12V/24V"	0039976	Female connector	
0888134	Base for connectors "MPM X 4 - 110V/230V"	0039976	Female connector	
0888141	Base for connectors "MPM X 2 - 12V/24V"	0039976	Female connector	
0888138	Base for connectors "MPM X 2 - 110V/230V"	0039976	Female connector	
0888139	Base for connectors "M12 X 4 - 12V/24V"	0039976 0039999	Female connector Connector for M12 signals	
0888136	Base for connectors "M12 X 4 - 110V/230V"	0039976 0039999	Female connector Connector for M12 signals	
0888142	Base for connectors "M12 X 2 - 12V/24V"	0039976 0039999	Female connector Connector for M12 signals	
0888137	Base for connectors "M12 X 2 - 110V/230V"	0039976 0039999	Female connector Connector for M12 signals	