

# PROGRESSIVE SYSTEM

Central Lubrication

 **TribotTec**







## PCP

Lubricant	grease
Max. output	0.40 cm³/stroke
Max. pressure	120 bar
Number of outlets	1
Reservoir	400 g cartridge
Drive	pneumatic

Pump for lubrication of the plain and rolling-contact bearings. The pump is design for 400 g Lube Shuttle or EURO cartridges.



## ANC

Lubricant	grease, oil
Max. output	0.5 cm³/stroke/outlet
Max. pressure	210 bar
Number of outlets	1 - 2
Reservoir	1 dm³ plastic
Drive	pneumatic

Pump for lubrication circuits with progressive distributors, for stationary and mobile applications. Transparent reservoir made of organic glass. Air pressure from 6 to 8 bar.

## PMP

Lubricant	grease, oil
Max. output	3.8 cm³/min./outlet
Max. pressure	350 bar
Number of outlets	1 - 3
Reservoir	2, 4, 6, 8 dm³ plastic 6, 8, 12 dm³ metal
Drive	electric

Variant pump for lubrication circuits with progressive distributors, for stationary and mobile applications. Metal or transparent reservoir made of organic glass, lubricant level signalling. Supply voltage 12V DC, 24V DC, 115V AC and 230V AC. Fixed or continuous lubricant dose adjustment, optional safety valve with output pressure adjustment and pressure gauge. Integrated control unit, up to 3 distributor contactless switches connection, possibility of external outputs and signalling, GSM Module programmable by connection to the laptop, Win compatible. SMS alerts: low lubricant level, lubrication cycles error with identification of failed switch, overall working time info, supply voltage outage (after re-connection).







## ACF

Lubricant	grease, oil
Max. output	3.8 cm <sup>3</sup> /min./outlet
Max. pressure	350 bar
Number of outlets	1 - 3
Reservoir	1, 2, 5 dm <sup>3</sup> plastic
Drive	electric

Cost-effective pump for lubrication circuits with progressive distributors, for stationary and mobile applications. Transparent reservoir made of organic glass, supply voltage 12V DC, 24V DC.

## MMP

Lubricant	grease
Max. output	1.5 cm <sup>3</sup> /min./outlet
Max. pressure	350 bar
Number of outlets	1 - 8
Reservoir	0.6, 0.8, 1.0, 1.2 dm <sup>3</sup> plastic
Drive	electric

Variant pump for multi-line and progressive central lubrication systems, with minimum space requirements for installation. Recommended for application in smaller lubrication circuits, i.e. for regular lubrication of machines and equipment. Furthermore, it may be used as a pressure source for central lubrication of mobile machines and equipment. Transparent reservoir made of organic glass, supply voltage 12V DC, 24V DC. Optional safety valve with output pressure adjustment. External control unit, up to 3 distributor contactless switches connection.





## VEG

Lubricant	grease, oil
Max. output	3 cm <sup>3</sup> /min./outlet (1 - 20 outlets)
	14.5 cm <sup>3</sup> /min./outlet (1 - 12 outlets)
Max. pressure	300 bar
Number of outlets	1 - 20 (3 cm <sup>3</sup> ), 1 - 12 (14.5 cm <sup>3</sup> )
Reservoir	6, 8, 12, 15, 30, 63 dm <sup>3</sup> metal
Drive	electric

Variant pump for multi-line lubrication circuits and for circuits with progressive distributors, for stationary applications, also for severe working conditions. Metal reservoir of various sizes, lubricant level signalling. Supply voltage 230/400V AC, 500V AC, other voltages upon request. Design for 1 - 20 and 1 - 12 outlets. Continuous dose adjustment in range of 1.2 - 3.0 cm<sup>3</sup>/min./outlet and 0 - 14.5 cm<sup>3</sup>/min./outlet. Optional safety valves with output pressure adjustment and pressure gauge.



## UCF

Lubricant	grease, oil
Max. output	20 cm <sup>3</sup> /min./outlet
	(75 cm <sup>3</sup> /min. with outlets being connected)
Max. pressure	300 bar
Number of outlets	1 - 3
Reservoir	6, 8, 12, 15, 30, 63 dm <sup>3</sup> metal
Drive	electric

Variant pump for lubrication circuits with progressive distributors, for extensive stationary applications, also for severe working conditions. Metal reservoir of various sizes, lubricant level signalling. Supply voltage 230/400V AC, 500V AC, other voltages upon request. Line of working units with various nominal lubricant output, continuous dose adjustment, safety valve with output pressure adjustment and pressure gauge.





## Z 1

Lubricant	grease, oil
Max. output	400 cm <sup>3</sup> /min.
Max. pressure	400 bar
Number of outlets	1
Reservoir	40, 63, 100 dm <sup>3</sup> metal
Drive	electric

Powerful pump for lubrication circuits with progressive distributors, for extensive stationary applications with demand for large lubricant dose, for the hardest working conditions. Alternatively can be used for two-line grease systems in combination with an external electric change-over valve (e.g. DPE) and for special oil systems. Metal reservoir of various sizes, lubricant level signalling. Supply voltage 230/400V AC, 500V AC, other voltages upon request. Two nominal supplied quantities of 200 and 400 cm<sup>3</sup>/min., safety valve with output pressure adjustment and pressure gauge.



## BEG-R

Lubricant	grease
Max. output	256 cm <sup>3</sup> /min. (8 outlets together)
Max. pressure	350 bar
Number of outlets	1 - 8
Reservoir	200 dm <sup>3</sup> standard barrel
Drive	electric

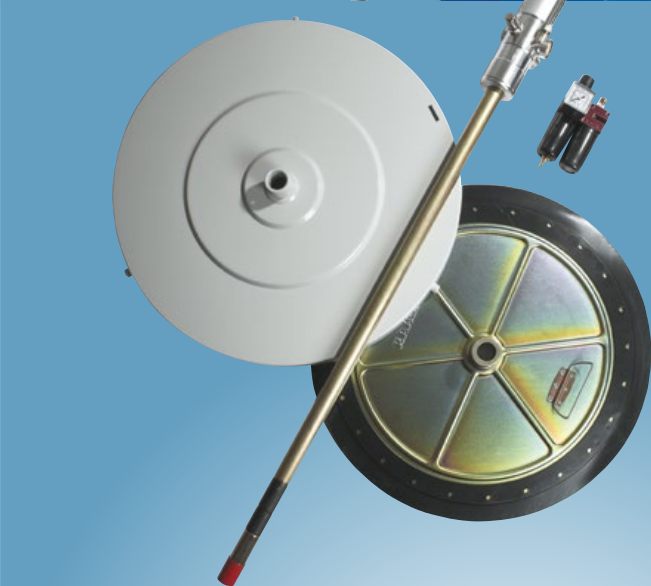
The universal and efficient barrel-mounted lubrication unit for lubrication systems with progressive distributors, for multi-line lubrication systems, in combination with two-line change-over valve for two-line lubrication systems, for automatic filling of different types of lubrication pumps (Z1, UCF, VEG) during running; for stationary applications, in difficult operating conditions. It is used for lubrication systems with demand of high supply of grease, supplied straight from the original barrel. The voltage 230/400V AC, 500V AC, other voltage on request. Designed for 1 to 8 outlets, standardly equipped with safety valves, manometers, level grease signalization, and the electric switchboard located on a pillar of hand lifting device.



## BPG, BPO

Lubricant	grease, oil
Max. output	700 cm <sup>3</sup> /min. (grease) 13 dm <sup>3</sup> /min. (oil)
Max. pressure	400 bar (grease) 40 bar (oil)
Number of outlets	1
Reservoir	20, 60, 200 dm <sup>3</sup> standard barrel
Drive	pneumatic

Barrel-mounted lubrication pumps BPG (grease) and BPO (oil) are used for lubrication circuits with progressive distributors, as filling devices for automatic replenishment of various lubrication pumps (Z1, UCF, VEG) during their operation, for oil re-circulation systems, spray and oil-air lubrication and other special systems. Lubricant level signalling is available upon request. Air pressure from 6 to 8 bar.





## PEO

Lubricant	oil
Max. output	500 cm <sup>3</sup> /min.
Max. pressure	130 bar
Number of outlets	1
Reservoir	3, 6 dm <sup>3</sup> plastic
	8, 12, 50 dm <sup>3</sup> metal
Drive	electric

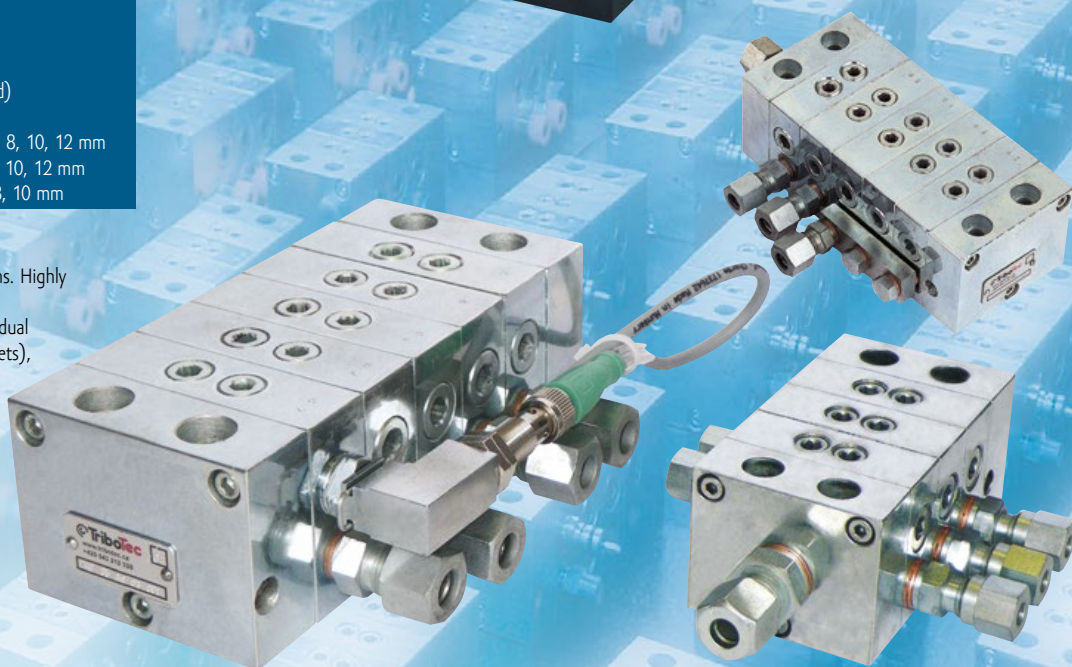
Lubrication pumps fitted with gear-pump, source of pressurized lubricant for loss oil systems with progressive distributors and for smaller systems of re-circulation lubrication. Pumps are supplied in standard series as well as in customized executions. Metal reservoir of various sizes, lubricant level signalling. Supply voltage 230/400V AC, other voltages upon request. Variant nominal supplied quantities of 150, 250 and 500 cm<sup>3</sup>/min., output pressure adjustment from 15 bar. All parameters including installation area can be modified to the customer's request. Customized pumps can be fitted with filtration, cooling, pressure signalling, temperature and flow metering.



## PRA, PRB

Lubricant	grease, oil
Nominal output	0.08 - 0.90 cm <sup>3</sup> /stroke
Max. pressure	230 bar
Min. number of outlets	6 (2 if bridges are used)
Max. number of outlets	20
Inlet fittings	M14x1.5, for tube ø 6, 8, 10, 12 mm
	G1/4", for tube ø 6, 8, 10, 12 mm
Outlet fittings	M10x1, for tube ø 6, 8, 10 mm

Sectional progressive distributors for stationary and mobile applications, suitable for extensive lubrication circuits, also for severe working conditions. Highly variable execution in two type (size) series, PRA and PRB, with optional nominal dose for individual sections. Maximum of 10 working sections (20 outlets), combination of doses by using connecting bridges and interconnection inside of working section. Visual (pin) and electrical (contactless switch) operation signalling.



## BVA

Lubricant	grease, oil
Nominal output	0.20 cm <sup>3</sup> /stroke
Max. pressure	350 bar
Min. number of outlets	6 (2 if bridges are used)
Max. number of outlets	24
Inlet fittings	M10x1, for tube ø 6 mm
Outlet fittings	M10x1, for tube ø 4, 6 mm

Block progressive distributors for stationary and mobile applications, suitable for smaller lubrication circuits with up to several dozens of lubricated points, also for the hardest working conditions. Compact, resistant design with minimum requirement for installation area. Maximum of 12 working sections (24 outlets), combination of doses by using connecting bridges and interconnection inside of working section. Visual (pin) and electrical (contactless switch) operation signalling. BVA-N series made of stainless steel AISI 303 (1.4305).





## AP 3

Operating voltage	12V DC, 24V DC
Lubrication time	1 - 59 sec. (1 sec. increment)
	1 - 99 min. (1 min. increment)
Number of cycles	1 - 99
Pause time	1 - 59 min. (1 min. increment)
	1 - 99 hour (1 hour increment)
Protection	IP56, IP65

Control and monitoring timer for progressive systems, suitable for mobile applications. Series of variant executions for circuits fitted with electrical signalling of progressive distributors operation, also for circuits without signalling, for electric as well as pneumatic pumps. Optional setting of lubrication time or number of lubrication cycles and pause time.

Storage of lubrication cycles course even with supply voltage cut-off, pre-lubrication function for longer operational pauses of the equipment, error evaluation of lubrication system, external outputs for remote signalling.



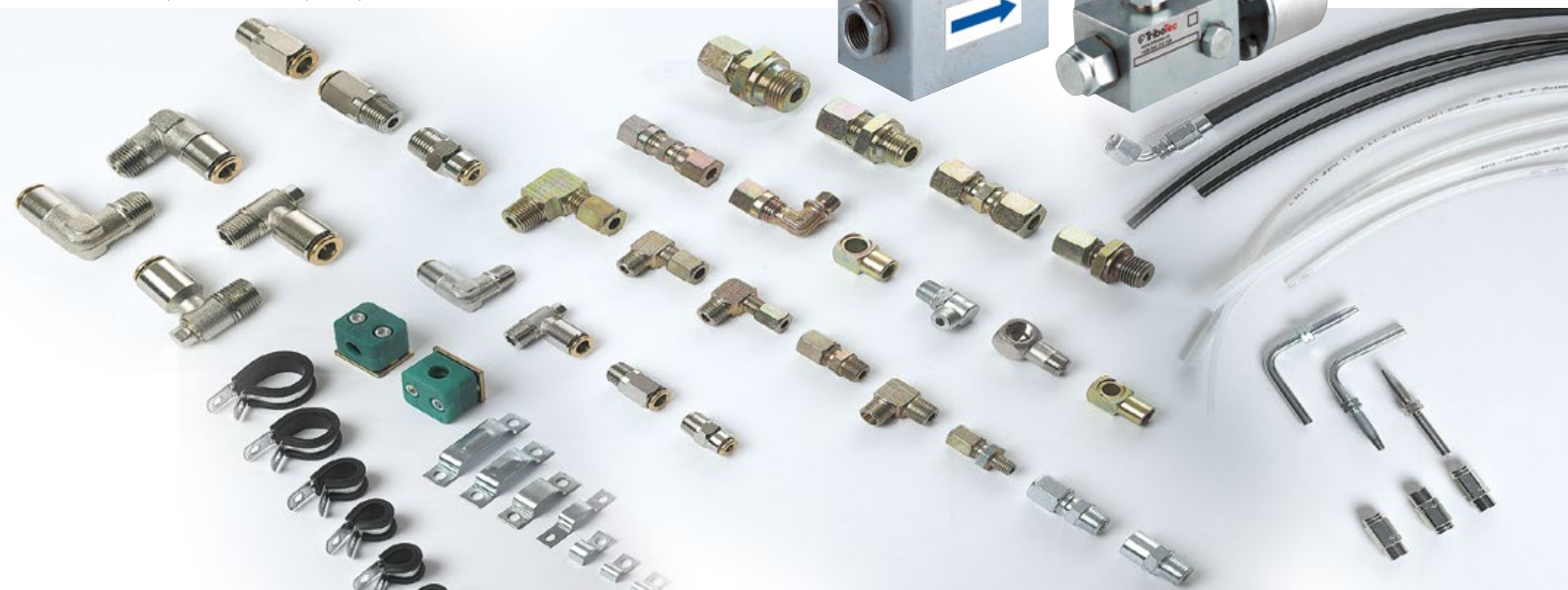
## AP 2

Operating voltage	230/400V AC
Lubrication time	1 - 59 sec. (1 sec. increment)
	1 - 99 min. (1 min. increment)
Number of cycles	1 - 99
Pause time	1 - 59 min. (1 min. increment)
	1 - 99 hours (1 hour increment)
Protection	IP65

Control and monitoring timer for progressive and multi-line systems, for stationary applications. Series of variant executions for circuits fitted with electrical signalling of progressive distributors operation, also for circuits without signalling, to control electrically driven independent pumps. Optional setting of lubrication time or number of lubrication cycles and pause time. Storage of lubrication cycles course even with supply voltage cut-off, pre-lubrication function for longer operational pauses of the equipment, error evaluation of lubrication system, lubricant level signalling in pump reservoir, external outputs for remote signalling.

## ACCESSORIES

Multi-line and progressive lubrication circuits are completed and furnished with grease strainers, oil filters, closing valve, flow meters (for oil or grease), pressure sensor, distribution piping (plastic and metal tubes), high pressure hydraulic hoses, connectors, fittings, clamps etc. List of components available upon request.







TRIBOTEC is a Czech manufacturing company operating in the field of the supply of central lubrication, lubrication technology, hydraulic systems and special systems for rail transport. The selling and manufacturing activities are supported by consultation and project design of individual systems based on the customer's demand, installation and assembly on the customer's premises including commissioning and optimizing the operation with subsequent servicing, preventive maintenance and consultancy.

The company continues the manufacturing tradition of the firms Louis Friedman and ZTS Juranovy Závody Brno. With more than 80 years of experience in the production of lubrication equipment and hydraulics, along with an emphasis on production quality and investments into technical development, it provides a high-level guarantee for its supplied products and services. All the company's activities are carried out in accordance with the quality management system according to ISO 9001:2015 and the environmental management system to ISO 14001:2015.

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