

TWO-LINE SYSTEM

Central Lubrication

 **Tribotec**



DLM

Lubricant	grease
Max. output	2.7 cm ³ /stroke
Max. pressure	180 bar
Number of outlets	2
Reservoir	4 dm ³ plastic, metal
Drive	manual

The hand-operated pump is used as a source of pressure lubricant in the smaller circuits of two-line central lubrication systems.

By using two-line distributors, it may be used for lubricating even higher numbers of 20 - 50 lubricated points.



BEG-R

Lubricant	grease
Max. output	256 cm ³ /min. (8 outlets together)
Max. pressure	350 bar
Number of outlets	8
Reservoir	200 dm ³ 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.



Z2

Lubricant	grease, oil
Max. output	400 cm ³ /min.
Max. pressure	400 bar
Number of outlets	2
Reservoir	40, 63, 100 dm ³ metal
Drive	electric

Massive pump for lubrication circuits with two-line distributors, for extensive stationary applications, for the hardest working conditions. Pump has integrated hydraulic change-over valve at the pump body.

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 cm³/min., safety valve with output pressure adjustment and pressure gauge.



UCD

Lubricant	grease
Max. output	40 cm ³ /min.
Max. pressure	280 bar
Number of outlets	2
Reservoir	6, 8, 12, 30, 63 dm ³ metal
Drive	electric

Variant pump for smaller lubrication circuits with two-line distributors, for extensive stationary applications, also for severe working conditions. Pump has integrated hydraulic change-over valve at the pump body, with or without electric signalling.

Metal reservoir of various sizes, lubricant level signalling. Supply voltage 230/400V AC, 500V AC, other voltages upon request. Nominal lubricant output 40 cm³/min., output pressure adjustment 100 - 280 bar, pressure gauge.



Z3

Lubricant	grease, oil
Max. output	400 cm ³ /min.
Max. pressure	400 bar
Number of outlets	2
Reservoir	40, 63, 100 dm ³ metal
Drive	electric

Variant massive lubrication station for lubrication circuits with two-line distributors, for extensive stationary applications, for the hardest working conditions.

The pump is installed together with external electric or hydraulic change-over valve on a bedplate and this set (lubrication unit) is fitted with filtration for distant filling of pump reservoir, optional solenoid valve for remote control of filling, distribution box to ease wiring, and possibly with control timer for two-line system. 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 cm³/min., safety valve with output pressure adjustment and pressure gauge.



DLDA

Lubricant	grease, oil
Max. output	1.5 cm ³ /stroke
Max. pressure	400 bar
Number of outlets	1 - 8
Output adjustment	0 - 1.5 cm ³ /stroke

Block distributor applied for dosing lubricant into individual lubricated points in two-line lubrication system, for severe working conditions.

Series DLDA has continuous adjustment of lubricant output, DLDA-P has fixed lubricant output. Operation signalling by movement of signalling pin (only DLDA), multiple nominal outputs by using connecting bridges.



DLDC

Lubricant	grease, oil
Max. output	2.3 cm ³ /stroke
Max. pressure	400 bar
Number of outlets	1 - 8
Output adjustment	0 - 2.3 cm ³ /stroke

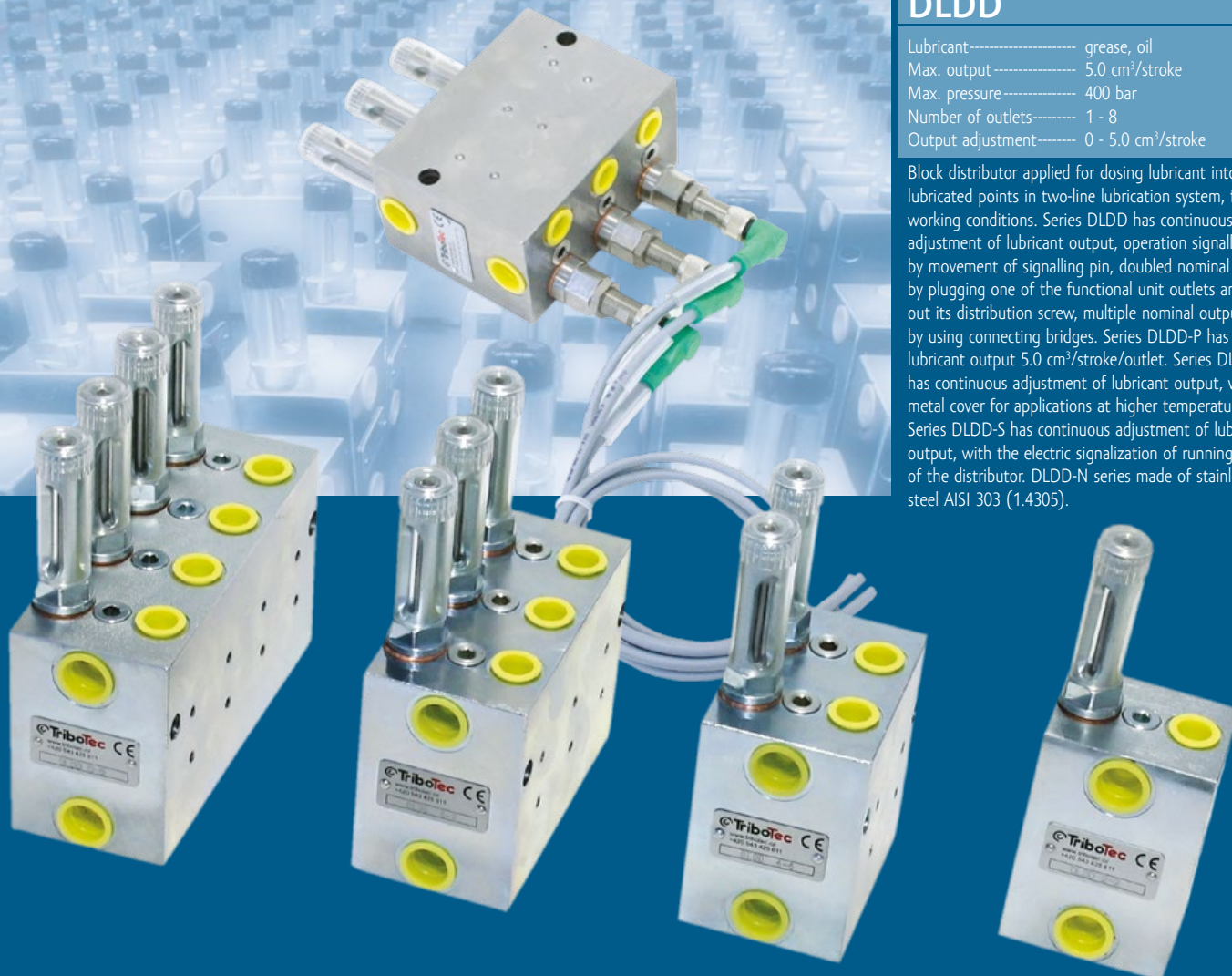
Block distributor applied for dosing lubricant into individual lubricated points in two-line lubrication system, for severe working conditions. Series DLDC has continuous adjustment of lubricant output, operation signalling by movement of signalling pin, doubled nominal output by plugging one of the functional unit outlets and taking out its distribution screw, multiple nominal outputs by using connecting bridges. Series DLDC-P has fixed lubricant output 2.3 cm³/stroke/outlet. Series DLDC-M has continuous adjustment of lubricant output, with metal cover for applications at higher temperatures. DLDC-N series made of stainless steel AISI 303 (1.4305).



DLDD

Lubricant	grease, oil
Max. output	5.0 cm ³ /stroke
Max. pressure	400 bar
Number of outlets	1 - 8
Output adjustment	0 - 5.0 cm ³ /stroke

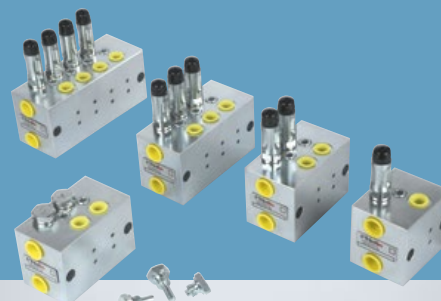
Block distributor applied for dosing lubricant into individual lubricated points in two-line lubrication system, for severe working conditions. Series DLDD has continuous adjustment of lubricant output, operation signalling by movement of signalling pin, doubled nominal output by plugging one of the functional unit outlets and taking out its distribution screw, multiple nominal outputs by using connecting bridges. Series DLDD-P has fixed lubricant output 5.0 cm³/stroke/outlet. Series DLDD-M has continuous adjustment of lubricant output, with metal cover for applications at higher temperatures. Series DLDD-S has continuous adjustment of lubricant output, with the electric signalization of running of the distributor. DLDD-N series made of stainless steel AISI 303 (1.4305).



DLDF

Lubricant-----	grease, oil
Max. output-----	1.5 cm ³ /stroke
Max. pressure-----	400 bar
Number of outlets-----	1 - 8
Output adjustment-----	0 - 1.5 cm ³ /stroke

Block distributor applied for dosing lubricant into individual lubricated points in two-line lubrication system, for severe working conditions. Series DLDF has continuous adjustment of lubricant output, DLDF-P has fixed lubricant output that can be changed by exchangeable plugs. Operation signalling by movement of signalling pin (only DLDF), doubled nominal output by plugging one of the functional unit outlets and taking out its distribution screw, multiple nominal outputs by using connecting bridges.



DLDH

Lubricant-----	grease, oil
Max. output-----	15 cm ³ /stroke
Max. pressure-----	400 bar
Number of outlets-----	1 - 4
Output adjustment-----	0 - 15 cm ³ /stroke

Block distributor applied for dosing lubricant into individual lubricated points in two-line lubrication system, for severe working conditions. Series DLDH has continuous adjustment of lubricant output, operation signalling by movement of signalling pin, doubled nominal output by plugging one of the functional unit outlets and taking out its distribution screw.



ZH

Lubricant-----	grease, oil
Max. output-----	2.0 cm ³ /stroke
Max. pressure-----	400 bar
Number of outlets-----	1 - 4
Output adjustment-----	0.4 - 2.0 cm ³ /stroke

Block distributor applied for dosing lubricant into individual lubricated points in two-line lubrication system, for severe working conditions. Continuous adjustment of lubricant output, operation signalling by movement of signalling pin.



DLD

Lubricant-----	grease, oil
Max. output-----	3 cm ³ /stroke
Max. pressure-----	400 bar
Number of outlets-----	1 - 8
Output adjustment-----	0.2 - 3 cm ³ /stroke

Block distributor applied for dosing lubricant into individual lubricated points in two-line lubrication system, for severe working conditions.

Series DLD has continuous adjustment of lubricant output, operation signalling by movement of signalling pin and can be arranged to provide a single or double outlet. Single or doubled nominal output can be undertaken by fitting plug. DLD distributors are normally supplied with double outlets.



ZVM

Lubricant-----	grease, oil
Max. output-----	2.0 cm ³ /stroke
Max. pressure-----	400 bar
Number of outlets-----	1 - 10
Output adjustment-----	0.4 - 2.0 cm ³ /stroke

Modular distributor applied for dosing lubricant into individual lubricated points in two-line lubrication system, for severe working conditions.

Distributor consists of dosing units (with regulating head - ZVM, without - ZVM-P) and baseplate for 1 - 5 dosing units. Continuous adjustment of lubricant output and operation signalling by movement of signalling pin (only ZVM), doubled nominal output by plugging one of the functional unit outlets and taking out its distribution tamping, multiple nominal outputs by using connecting bridges.



DKS

Lubricant-----	grease, oil
Max. pressure-----	320 bar, 400 bar
Number of inlets-----	2
Pressure adjustment-----	10 - 100 bar, 40 - 320 bar, 40 - 400 bar
Drive-----	electric

Terminal switch DKS is a control element of two-line lubrication system providing monitoring of pressure in the pipe line at the end of lubrication circuit.

Also ensures automatic operation of the system. Supply voltage 230V AC, other voltages upon request.

Connected to pipework without requirement for further anchoring, fitted with pressure gauge (1 common for both lines and 2 separate ones).

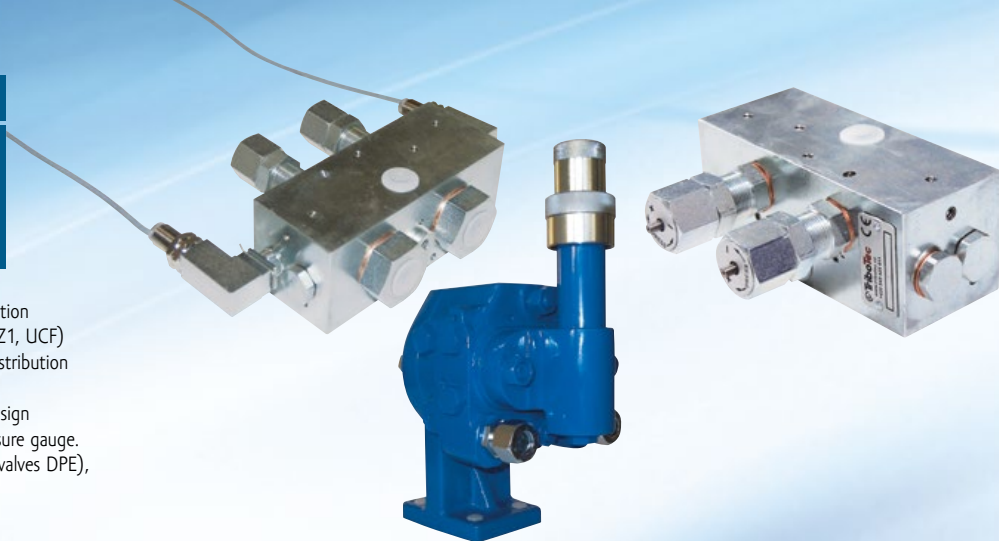


DPE, DPT

Lubricant	grease, oil
Max. pressure	400 bar
Number of outlets	2
Time of run /transposition/	0.5 sec.
Drive	electric, hydraulic

Electric and hydraulic change-over valves are used in two-line systems to alternate lubricant supply into both lines of lubrication system. Valve is located behind lubrication pump outlet (e.g. Z1, UCF) and can be installed either as independent component into distribution piping or together with pump on a bedplate.

Hydraulic change-over valves DPT are made alternatively in design with or without electric signalling of piston position and pressure gauge. Supply voltage 230V AC or 24V DC (for electric change-over valves DPE), other voltages upon request.



EUK, EUV

Lubricant	grease, oil
Max. pressure	400 bar
Number of outlets	2 (4)
Time of run /transposition/	0.5 sec.
Drive	electric

Electrically driven stop-cock EUK and stop-valve EUV are used in two-line systems to break the lubricant supply simultaneously in both pipe lines of the main or ancillary branch of lubrication circuit, or to redirect the lubricant supply from one branch of the lubrication circuit to another. Supply voltage 230V AC, other voltages upon request.



AD

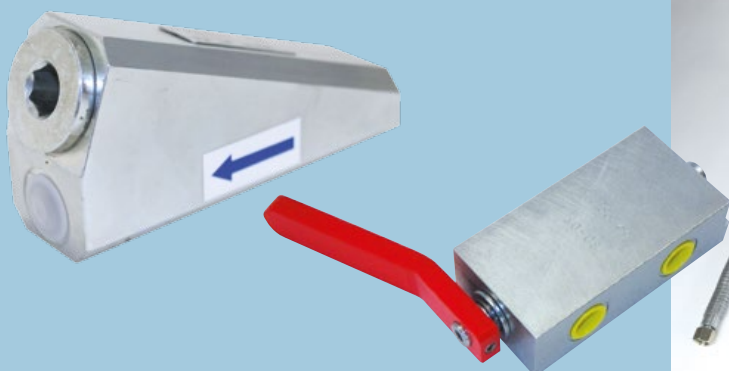
Operating voltage	230/400V AC
Lubrication mode	Continuous mode
	Combined mode
	Pause mode
	After out of service mode
Protection	IP65

Series of control and monitoring timers for two-line systems, variant AD2 for Z2 lubrication pump with an integrated hydraulic change-over valve and variant AD3 for Z3 lubrication station. Timers ensuring operation of the lubrication pump in preselected run mode. Timers are equipped with pump operation signalling, signalling of faults and lubricant level in reservoir of the lubrication pump. Lubrication circuits can be equipped with terminal pressure switch (timer standard version for up to 3 pieces) and two-line distributors with the electric signalization of running (timer standard version for up to 5 pieces).



ACCESSORIES

Two-line lubrication circuits are furnished with hand-operated stop-cock RUK, grease inline strainers FLD, flow meters (for oil or grease), distribution piping (metal tubes), high pressure hydraulic hoses, connectors, fittings, clamps etc. List of components available upon request.





Tribotec



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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