Keeping Machinery running
all over the World!

FOOD GREASE

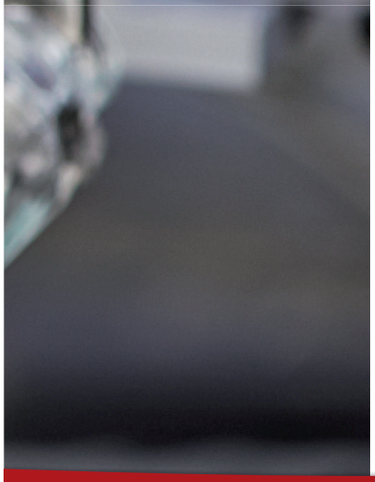
Automatic Lubrication System

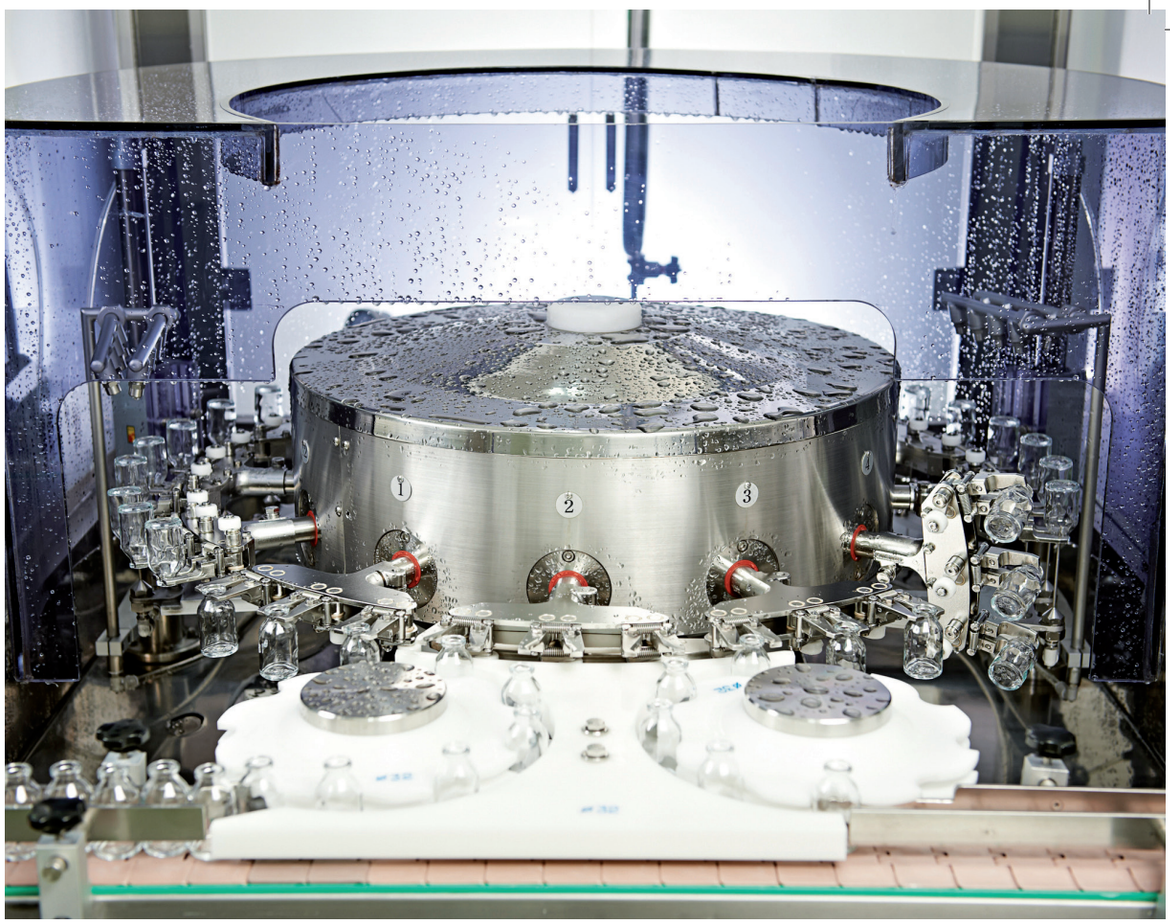
Further information can be found on
www.lube-europe.com

LUBE
KAA-EUROPA

LFL180-H1

High-performance grease for the market of food industry and pharmaceutical industry.





LFL180-H1

is approved by NSF-H1 (No. 151701), and it is a synthetic high performance lubricant which can be applied by LUBE central lubrication systems for food and pharmaceutical industries.

It has a performance equivalent to our high-performance load-resistant grease.

The LFL180-H1 is verified and guaranteed for usage in our centralized lubrication system and is ideal for lubricating each component in various food processing machines.

Technical Data	
Consistency class	0
Thickening Base	Aluminum complex soap
Admission Compliance	NSF-H1, Halal, Kosher

Test Items		Test Method	FS-2	LFL-H1	LFL180-H1
Appearance		--	Smooth	Smooth	Smooth
Colour		--	Green	Beige	white
Worked penetration		JIS K2220 7.	303	325	215
Drip point °C		JIS K2220 8.	241	285	260
Evaporation Loss (99deg. C / 22 h) Mass. %		JIS K2220 10.	0.20	0.5	1.77
Oil Separation (100 °C, 24 h) w.t. %		JIS K2220 11.	2.0	2.1	9.7
Oxidation Stability (99 deg. C/100 h) kPa		JIS K2220 12.	15	0.05	15
Four Ball N & (kgf)	LNL	ASTM D2596	1236	784	784
	WL		3923	1961	3920
	LWI		650	370	483
Thickener		--	Lithium Soap	Aluminum complex soap	Aluminum complex soap
Base Oil Viscosity Index mm²/s	(40 °C)	JIS K2220 23.	99	150	72.64

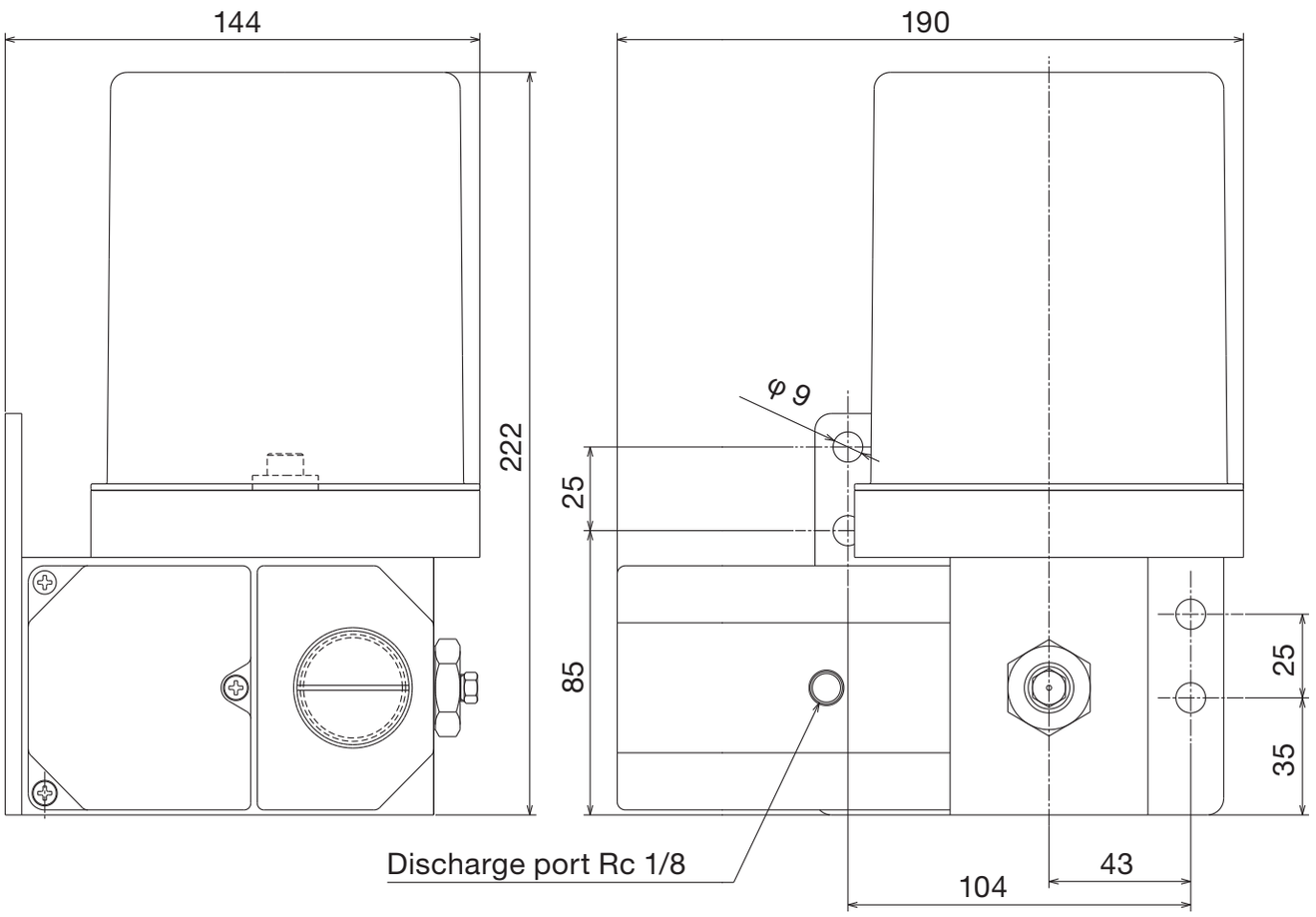
Industries / Examples of Application

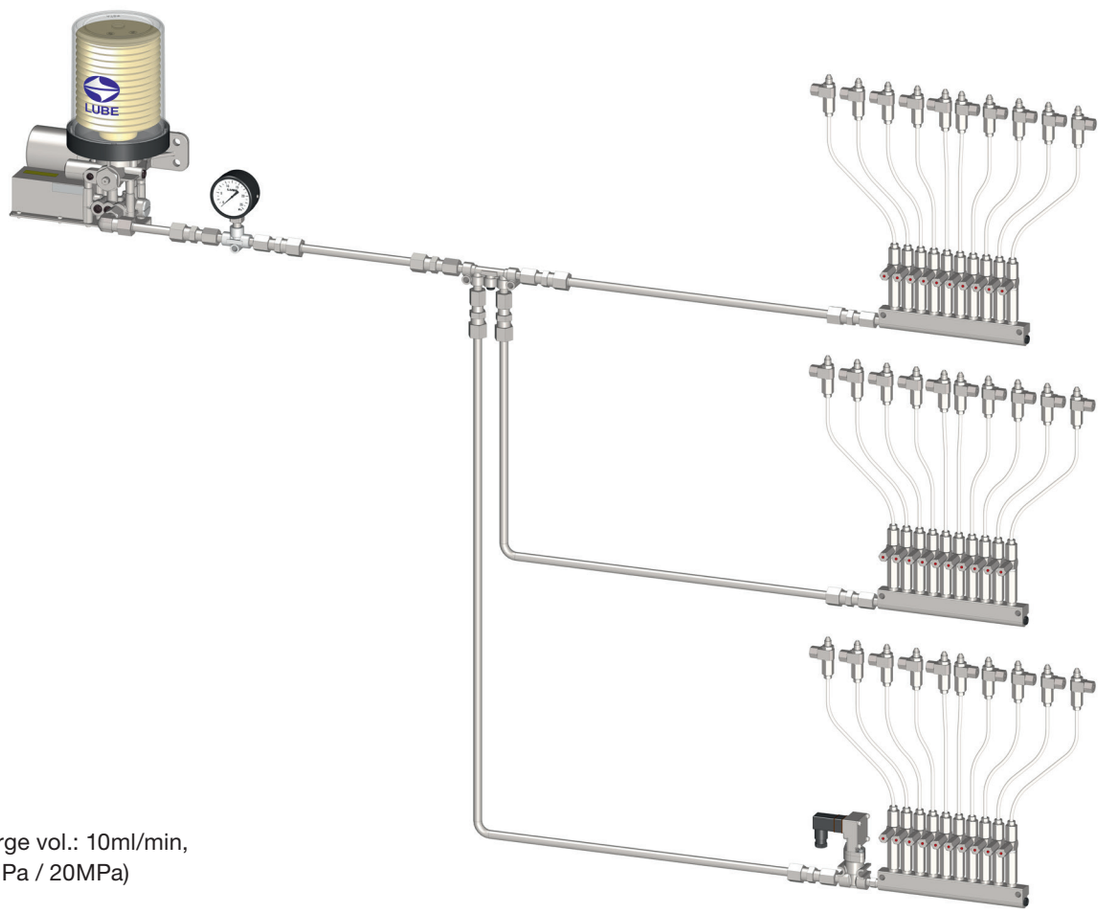
- Food industry
- Pharmaceutical industry
- Roller and plain bearings
- Cam plates
- Guides
- Plain rollers
- Small gears
- Linear drives
- Cams
- Bolts
- Joint bearings
- Spindles
- Toothed racks

EGM 50TH PDI System
for small sized machines

- Maximum protection from contamination
- More durability for longer run times
- Simplified handling - less maintenance

Specifications	
Power	DC24V
Discharging time	No restriction
Discharge pressure	10 MPa (PDI)
	20 MPa (Progressive)
	20 MPa (Use PDI high pressure valve)
Lifetime	1.500 working hours
Grease Type	NLGI No. 0–2 (The grease must be designated by LUBE Corp.)
Cartridge Capacity	200 ml, 700 ml, RECOG
Ambient Temperature	0°~40°
NEMA Rating	IP54, CE, RoHS





Pump:
EGM-50 TH (Discharge vol.: 10ml/min,
Relief valve set: 10MPa / 20MPa)

Valve:
MG2C, MG2I (Working pressure: 2,5MPa, Reset pressure: 1,4 MPa)

Main tubing:
ø10 Steel pipe

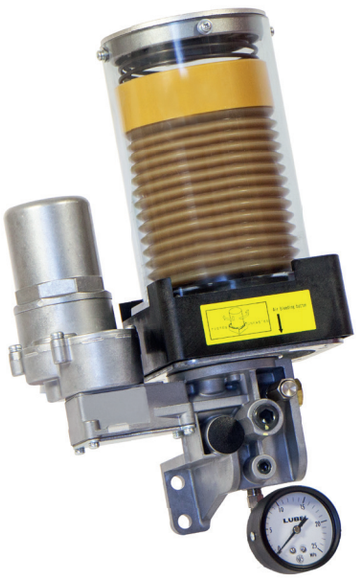
Alternative main tubing:
High pressure hose PH-60B (Inner ø6.35)

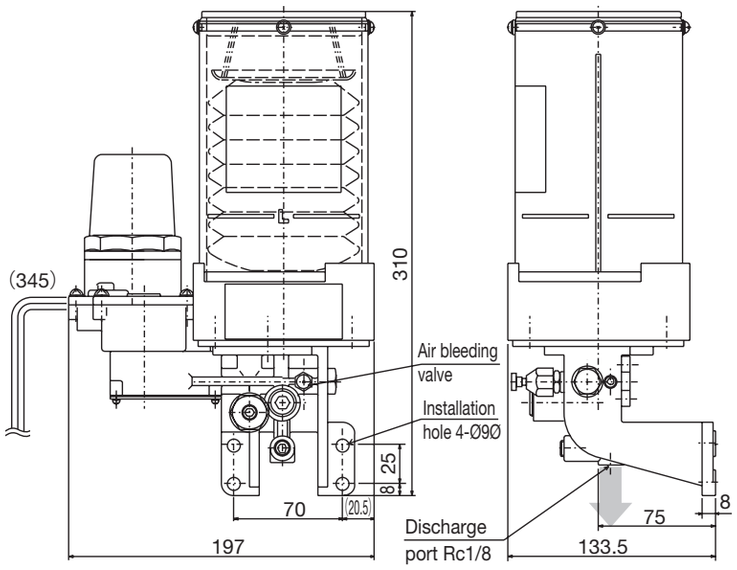
Tail tubing:
ø4 Nylon tubing (NT-4)

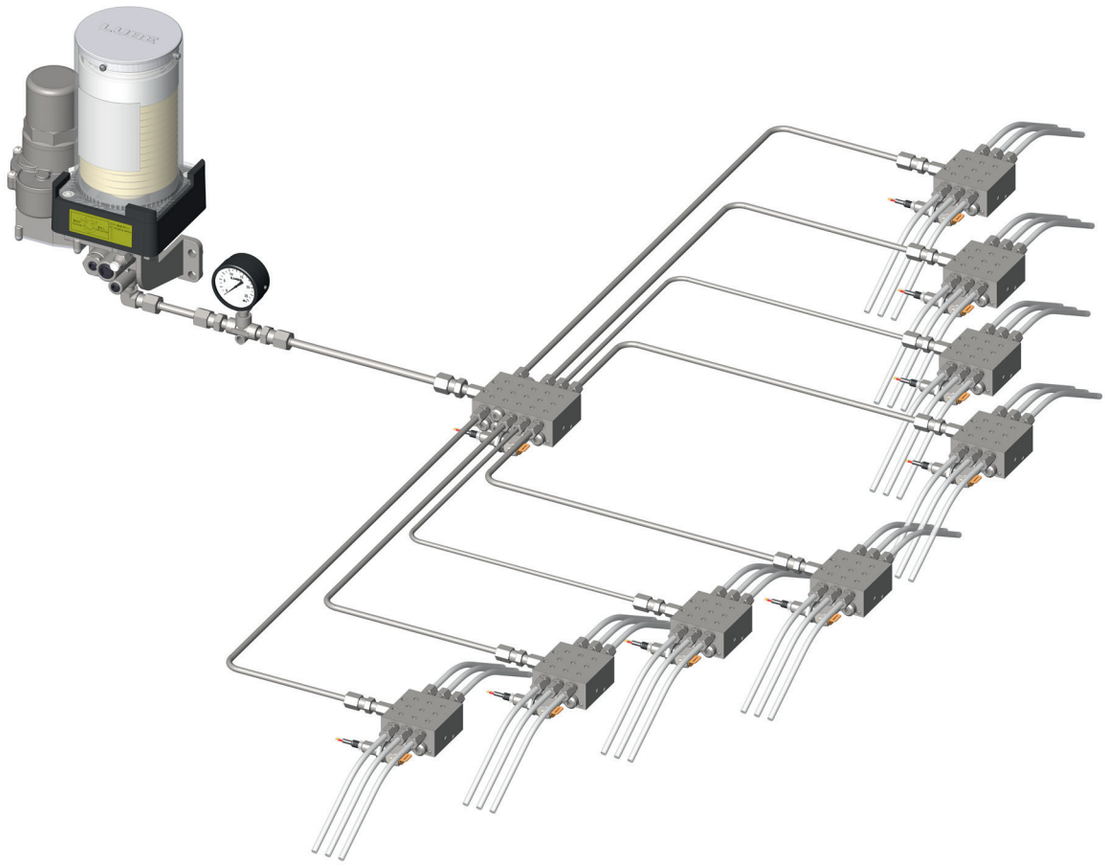
GMNH Progressive System

for medium sized machines

Specifications				
Pump	Discharge volume	10 ml / min		
	Discharge pressure	20 MPa (safety valve set pressure)		
Motor	Power	DC24V ø1 / 0.65 A	AC100V ø1 / 0.65 A	AC200V ø1 / 0.65 A
	Output	15 W DC brush motor	25 W ignition motor	
Cartridge size	700 ml			
Weight	2.8 kg (DC24V), 3.1 kg (AC100V, 200 V)			







Pump:
GMNH (Discharge vol.: 10 ml/min, Relief valve set: 20 MPa)

Valve:
SP

Main tubing:
ø8 Steel pipe (Inner ø6.6) max. 5 m (Pump to main SP)
ø6 Steel pipe (Inner ø4.6) max. 6 m (Main SP to secondary SP)

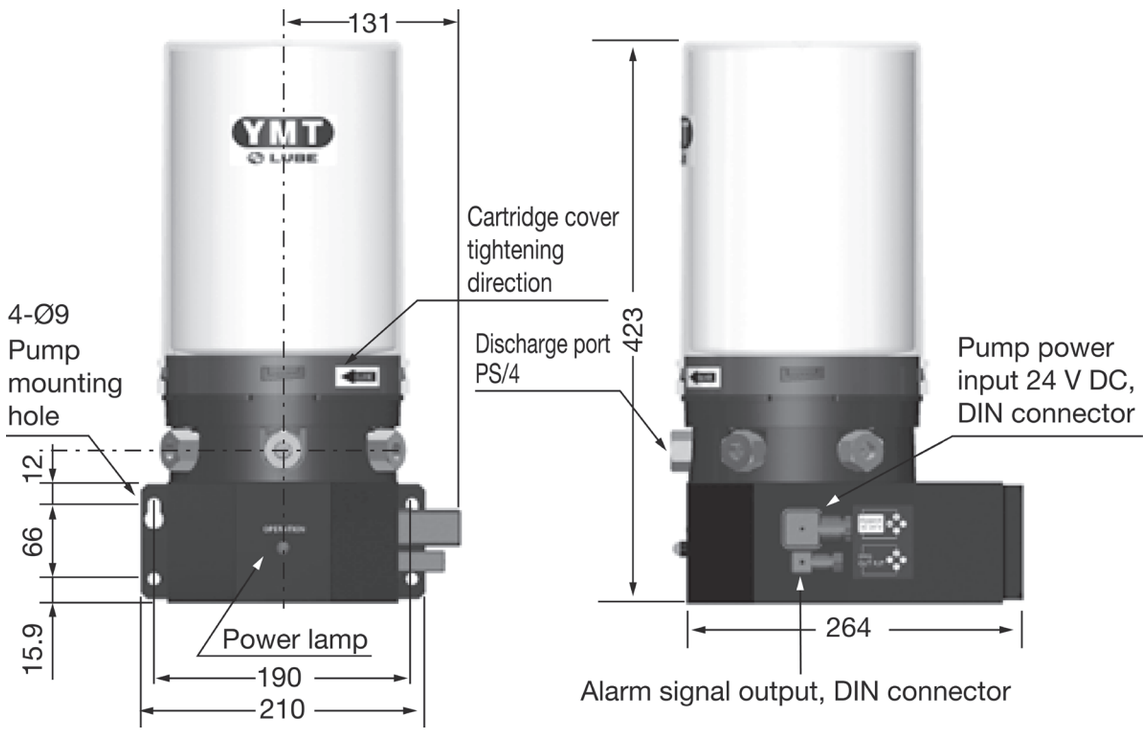
Alternative main tubing:
High pressure hose PH-60 (Inner ø3.6) max. 1 m (Pump to main SP)
High pressure hose PH-60 (Inner ø3.6) max. 6 m (Main SP to secondary SP)

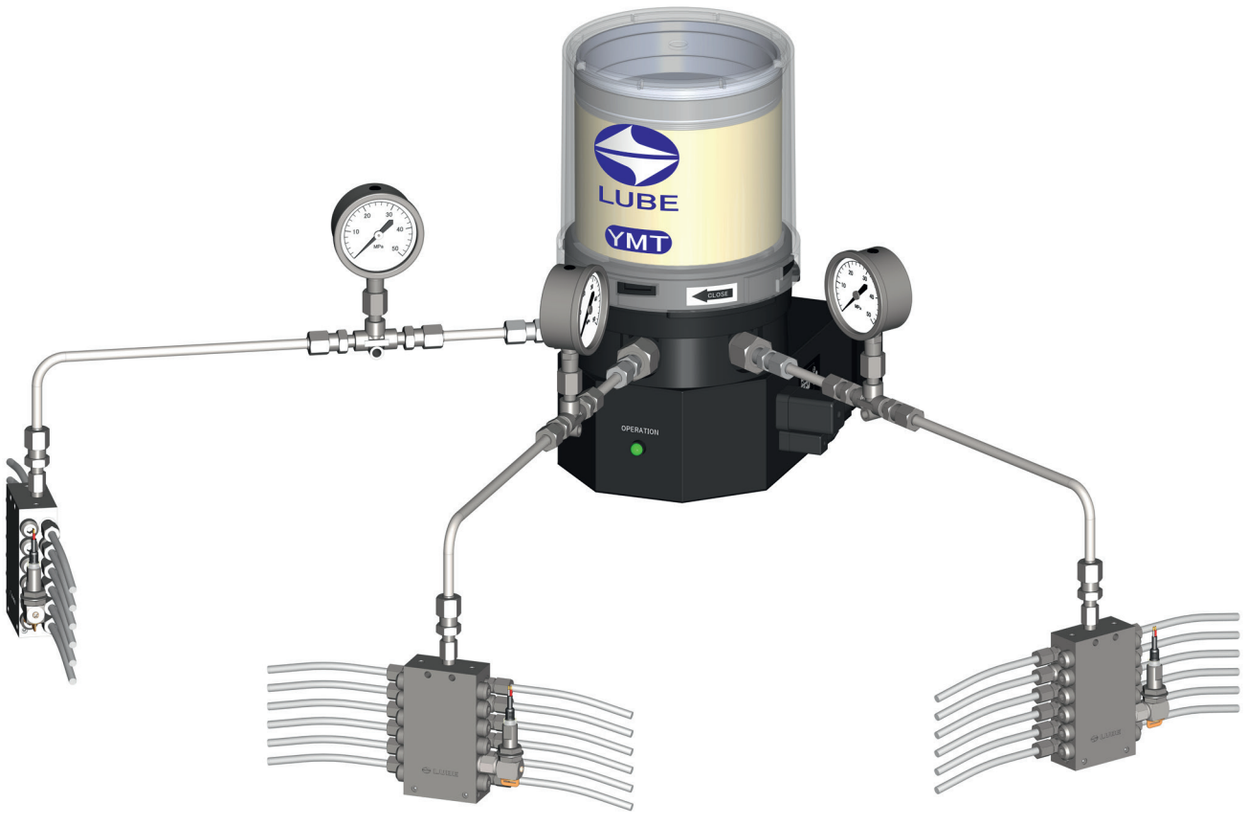
Tail tubing:
ø6 Nylon tubing (NT-6H) max. 3 m

YMT Progressive System
for large sized machines

Specifications	
Discharge Pressure	Rated 25 MPa, Maximum 35 MPa
Discharge Volume	2.1 ml/min. (with 6 mm Dia. Pumping Unit) 3.9 ml/min. (with 8 mm Dia. Pumping Unit)
Number of Pumping Unit	1 to 3 Units or 1 to 5 Units (The Number of the pummping units varies depending on the model.)
Voltage	24VDC ± 10 %
Reservoir Capacity	4 Liter Cartridge, 2 Liter Cartridge
Grease	Specified grease for YMT (NLGI No. 000 to 2)
Alarm Output	Grease Level Alarm, No Cartridge Alarm
Weight	6 kg

Dimensional drawing





Pump:
YMT (Discharge vol.: 3.9 ml/min, Relief valve set: 35 MPa)

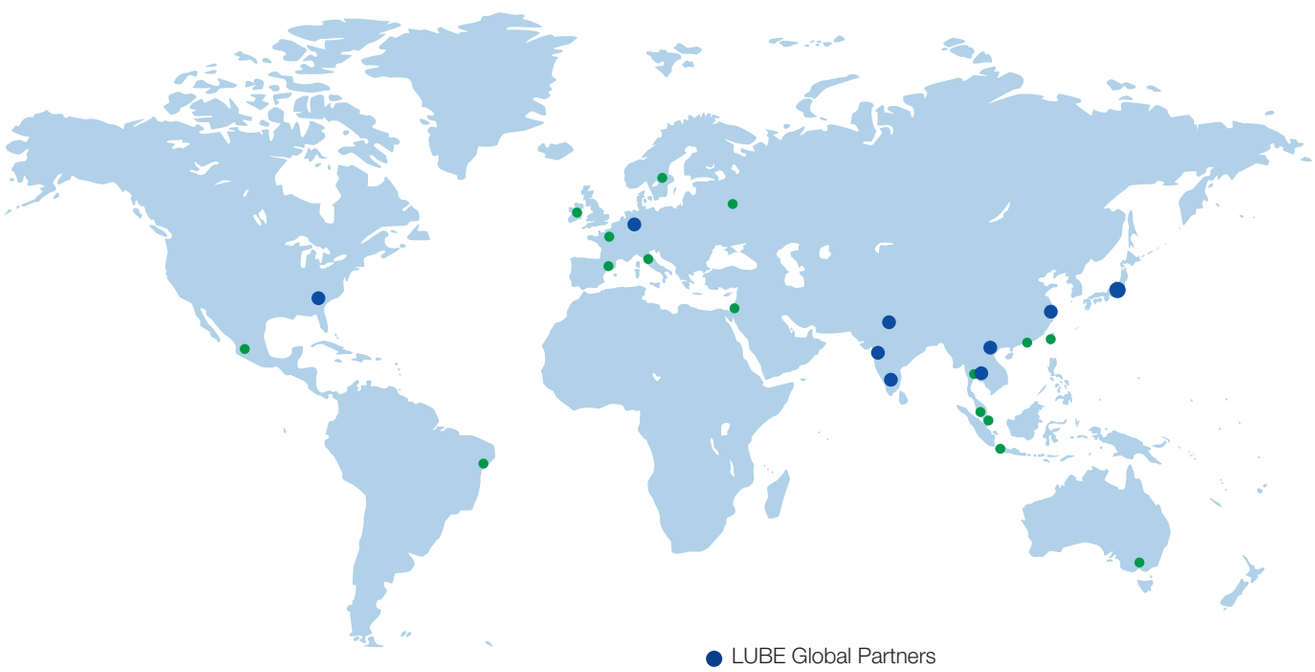
Valve:
SP

Main tubing:
1. ø8 Steel pipe (Inner ø6.6) max. 20 m
2. High pressure hose PH-60B (Inner ø6.35) max. 15 m

Tail tubing:
ø6 Nylon tubing (NT-6H) max. 3 m

Caution:
1. Min. temperature at the system must be 15 °C
2. All of SP valves must be with proximity sensor.

LUBE Global Network



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