

## Grease filter

The filter is an indispensable device on the transmission medium pipeline. After the filter has a certain size filter drum, its impurities are blocked. When it needs to be cleaned, the detachable filter drum can be removed, processed and reloaded. Therefore, easy to use and maintain. these valves compensate the pulsations which occur during the material delivery with piston pumps due to the changeover position of the pump. Such pulsations would cause a short-time drop of pressure and lead to a slight reduction of the material flow. In case of small metering quantities, this might impair product quality as especially for such applications an absolutely consistent material flow must be ensured.

MG-OFF150/MG-OFF1000



## Material pressure regulators with piston

Material pressure regulators reduce the pressure of the delivered material to the required working pressure. Apart from reducing pressure (main function), these valves compensate the pulsations which occur during the material delivery with piston pumps due to the changeover position of the pump. Such pulsations would cause a short-time drop of pressure and lead to a slight reduction of the material flow. In case of small metering quantities, this might impair product quality as especially for such applications an absolutely consistent material flow must be ensured.



MG-30



MG-50



MG-100

MG-150

## Product features

- Manually adjustable
- Easy maintenance
- Ball sealing
- Valve seat sharp edged

## Chamber metering valves

**Filling:** The valve is in the initial position when the control pressure applied on the compressed-air connection. The valve needle in the control valve is in the upper position, thus closing the material outlet. The material access to the metering chamber is open. The material enters the control valve by means of the material pressure and flows into the metering chamber. Due to the contact surface of the piston, the piston executes an upward stroke. The metering chamber fills up automatically to the pre-defined volume.

**Metering:** Material is metered when the compressed air connection of the valve is charged with compressed air. The valve needle executes a downward stroke, thus closing the material access to the metering chamber. The material outlet opens. The material pressure has an effect on the piston step, which enters the metering chamber and feeds the material to the material outlet. An accurate metering volume is discharged. The snuff back effect carried out during the refilling, prevents the material from dripping after metering is finished.



## Product features

- Double acting chamber metering valve
- High maximum working pressure
- Snuff back effect to prevent material dripping

- Use for metering shot or dot applications
- Low maintenance

## Technical data

Part no.	MGGY-01	MGGY-1	MGGY-5	MGGY-10	MGGY-30	MGGY-150
<b>Metering range</b>	0.01-0.1ML	0.1-1.5ML	0.5-6ML	0.5-13ML	1-30ML	25-150ML
<b>Material input pressure min.</b>	40Bar	40Bar	40Bar	40Bar	40Bar	40Bar
<b>Material input pressure max.</b>	180Bar	180Bar	180Bar	180Bar	180Bar	180Bar
<b>Material inlet connection</b>	G1/4	G1/4	G1/4	G1/4	G1/4	G1/4



## Marginal @ GDP (Grease Drum Pump)

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## Technical data

Basic version	MG-66005	MG-66020	MG-68020	MG-68200	MG-C80-100CC	MG-C100-100CC
Pressure ratio	50:1	50:1	55:1	55:1	80:1	100:1
Flow rate litre/minute	0.85	0.85	1.6	1.6	12	12
Material viscosity NLGI	0-3#	0-3#	0-3#	0-3#	0-3#	0-3#
Working pressure	10-35Mpa	10-35Mpa	10-40Mpa	10-40Mpa	16-50Mpa	20-60Mpa
Max container size	1-5L	18-20L	18-20L	200L	200L	200L

## Tandem versions



## Modules

Basic module	1L	5L	10L	20L	60L	80L	200L
Drive	10:1 / 30:1 / 55:1 / 63:1 / 80:1 / 100:1						
	10:1 This drive operates on a 10:1 pressure ratio, allowing a working pressure of 10-60 bar						
Follower plate	Follower plate (1-fold) for cylindrical or conical container with a max. internal difference of Ø 25 mm			Follower plate (2-fold) for container with reinforced rings			
	Follower plate (1-fold)						

## Product NO code

The modularity of the new drum pump range enables a great number of combinations. Luber has developed an easy to use product NO code to be able to create pump configurations just within minutes. By knowing the material characteristics it will be possible to choose the right modules and if required additional options. This NO code can be used to order your customised pump or just as a request for quotation.

Let us know your required configuration?



## Drum pumps

Luber has completely reengineered its product range in the area of drum pumps suiting the needs of its customers specifically having grease application in mind. They feed single component media such as greases and oils from NLGI0 to NLGI3 directly and clean from original containers.

Luber drum pumps have proved themselves useful as central material supply systems as well as supplying single stations. Luber drum pumps are manufactured as modular, robust and fail-safe, as well as remarkably service and maintenance friendly.



## Product features

- Modular component configuration
- Ball valve or chop check pumps
- Double acting, fast change-over air motor
- Flow rate up to 1.6-12 litre/minute
- Pressure ratio 10:1 / 30:1 / 55:1 / 63:1 / 80:1



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**Catalogue for all Items made by our factory**

**( PUMP WITH BARREL )**



**FLUID SOLUTIONS FOR APPLYING LUBRICANTS**

