

# Hydraulically operated lubrication pump MGH

Single-shot grease pump for machines, vehicles and vehicle attachments

**COST EFFICIENT,  
SIMPLE AND SPACE  
SAVING AUTOMATIC  
LUBRICATION  
SOLUTION**



grease up to  
NLGI grade 2



up to 300 bar  
(4 350 psi)



-20 to 60 °C  
(-4 to 140 °F)



up to 0.24 cm<sup>3</sup>/stroke  
(up to 0.014 in<sup>3</sup>/stroke)



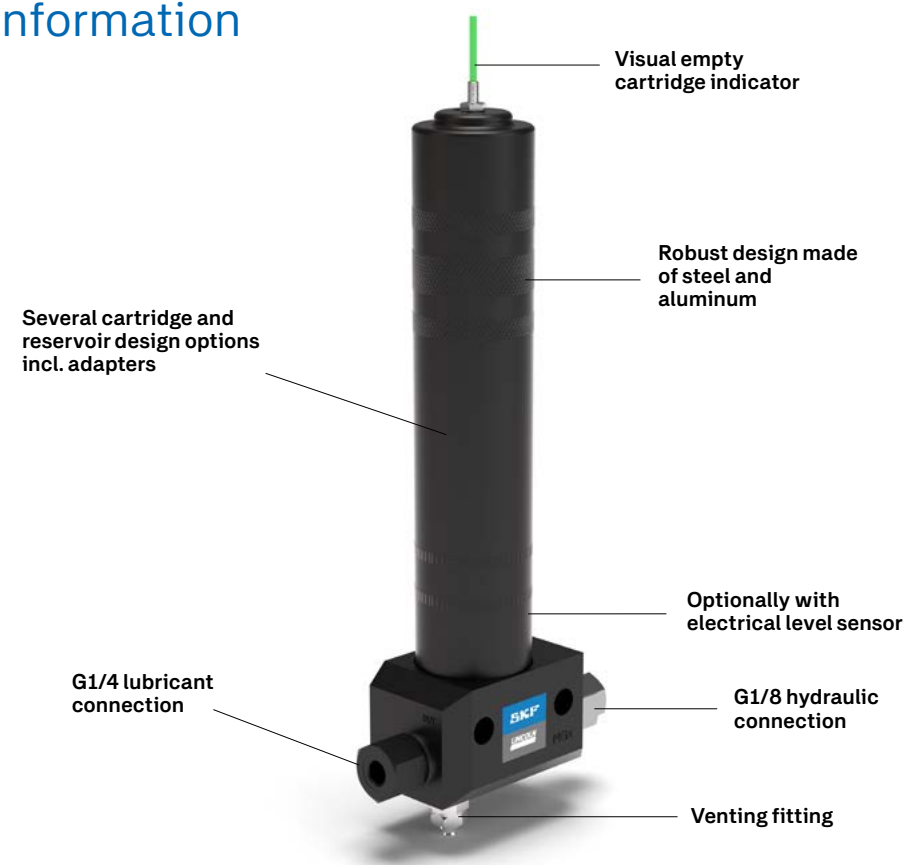
380 to 500 ml  
(12.8 to 16.9 oz)



## Applications

- Vehicles and attachments
- Agriculture attachments
- Lifting and telehandlers
- Utility service vehicles
- Construction vehicles
- Breakers and hammers

Product information



Description

The MGH grease cartridge pump is designed for hydraulically driven machines. It can directly supply individual lubrication points or work within a system with progressive metering devices for up to 22 lubrication points. The lubricant cartridges facilitate easy maintenance, making them ideal for vehicle attachments used in construction, agriculture, and utility services. The robust SKF cartridge version is also suitable for hydraulic breakers and hammers. MGH pump elements deliver metering quantities ranging from 0.04 cm<sup>3</sup> to 0.24 cm<sup>3</sup> per shot. The Lube-Shuttle version with a cover features an optical low-level indicator and an optional electronic level sensor. MGH designs with a cover and spring-loaded cartridge piston can be installed horizontally if needed.

Features and benefits

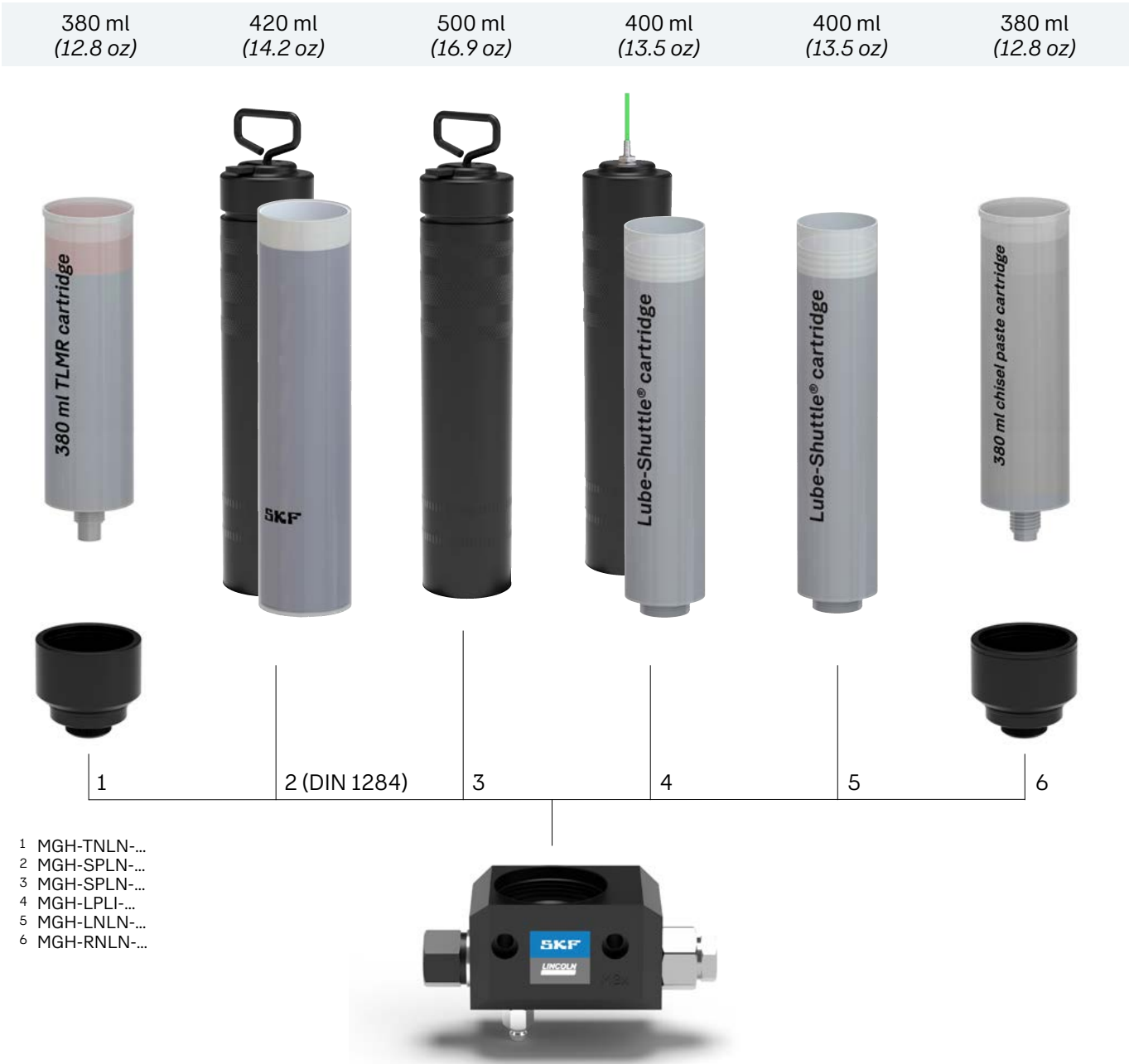
- Perfect retrofitting automatic lubrication solution for hydraulically operated machines and vehicles
- Market proven pump elements (P203) for reliable lubricant supply
- Easy combination with SKF progressive metering devices as SSV and SSVD
- System pressures up to 300 bar
- Designed for 24/7 operation
- Easy to install and start up
- Market verified technology

Technical data

Function	hydraulically operated piston pump
Lubricant	grease up to NLGI 2
Number of outlets <sup>1)</sup>	1
Metering quantity range	0.04 to 0.24 cm <sup>3</sup> /stroke 0.006 to 0.014 in <sup>3</sup> /stroke
Pump element K5	0.10 cm <sup>3</sup> /stroke; 0.006 in <sup>3</sup> /stroke
Pump element K6	0.16 cm <sup>3</sup> /stroke; 0.009 in <sup>3</sup> /stroke
Pump element K7	0.22 cm <sup>3</sup> /stroke; 0.013 in <sup>3</sup> /stroke
Pump element KR (adjustable)	0.04 to 0.18 cm <sup>3</sup> /stroke; 0.002 to 0.01 in <sup>3</sup> /stroke
Pump element KC (for chisel paste only)	0.24 cm <sup>3</sup> /stroke; 0.014 in <sup>3</sup> /stroke
Operating frequency	max. 6 strokes per minute
Operating temperature	−20 to 60 °C; −4 to +140 °F
Operating pressure	max. 300 bar; max. 4 350 psi (K5 pump element)
Venting pressure	10 bars, 145 psi
Reservoirs/cartridges	380 to 500 ml 12.8 to 16.9 oz
Material	aluminum, steel, brass, NBR seals
Hydraulic connection	G1/8
Connection outlet	G1/4
Dimensions incl. cartridge cover	max. 390 × 150 × 60 mm max. 15.35 × 5.90 × 2.36 in
Weight	1.6 kg; 3.5 lbs (incl. cartridge cover)
Mounting position	upright / any with spring loaded cover

<sup>1)</sup> SKF progressive metering devices with 6–22 outlets have to be ordered separately.

Cartridge and reservoir designs



Easy filling/cartridge exchange

The MGH grease cartridge pump is compatible with a wide range of cartridges, especially those with an internal piston, ensuring clean and trouble-free replacement. Lube-Shuttle cartridges with SKF grease can be easily filled using the SKF refilling pumps.

Function principle

The MGH grease cartridge pump can be used with hydraulically driven machines. Installation is simple:

Connect the pump inlet to the machine's oil pressure line. Pressurizing the line will trigger a shot of grease from the pump outlet connection. Note that after each grease shot, the hydraulic line pressure has to be relieved by the machine for a few seconds. Relieving will enable loading of the next grease shot. Variants with a spring-loaded cartridge piston will ensure operation even when mounted horizontally.

# Order information



Order information							
Order number <sup>1)</sup>	Description	Metering quantity/stroke		Cartridge or reservoir size		Level control	
		cm <sup>3</sup>	in <sup>3</sup>	ml	oz		
MGH-LPLI-K70000	MGH with covered Lube-Shuttle grease cartridge	0.22	0.013	400	13.5	visual indicator	
MGH-LPLI-KR0000	MGH with covered Lube-Shuttle grease cartridge	0.04–0.18 <sup>2)</sup>	0.006–0.014 <sup>2)</sup>	400	13.5	visual indicator	
MGH-LNLN-K70000	MGH for Lube-Shuttle grease cartridge	0.22	0.013	400	13.5	–	
MGH-SPLN-K70000	MGH for standard grease tube or without tube	0.22	0.013	420/500	14.2/16.9	–	
MGH-TNLN-K70000	MGH incl. adapter for SKF TLMR grease cartridge	0.22	0.013	380	12.8	–	
MGH-RNLN-K70000	MGH incl. adapter for Lincoln grease cartridge	0.22	0.013	380	12.8	–	
MGH-RNLN-KC0000	MGH incl. adapter for Lincoln chisel paste cartridge	0.24	0.014	380	12.8	–	

<sup>1)</sup> Pressure relief valves, cartridges or lubricants have to be ordered separately. Further pump versions on request.  
<sup>2)</sup> Manually adjustable metering quantity.

### Accessories

Order number	Description
624-28892-1	Pressure relief valve (270 bar) SVTE-270-1/4-D6
624-28859-1	Pressure relief valve with NPT outlet thread
11600340	Refilling pump, NLGI 1-2 greases (18 kg barrels)
11600330	Refilling pump, NLGI 000-0 greases (18 kg barrels)
11770464	Lube-Shuttle cartridges adapter for refilling pump

**SKF lubricants**  
Discover the wide range of suitable SKF lubricants and cartridges on SKF.com.

[skf.com](https://skf.com) | [skf.com/lubrication](https://skf.com/lubrication)

© SKF and LINCOLN are registered trademarks of AB SKF (publ).  
LUBE-SHUTTLE is a registered trademark of Mato GmbH and Co. KG.

© SKF Group 2024. All rights reserved. Please note that this publication may not be copied or distributed, in whole or in part, unless prior written permission is granted.

Every care has been taken to ensure the accuracy of the information contained in this publication, but no liability can be accepted for any loss or damage whether direct, indirect or consequential arising out of the use of the information contained herein.

PUB LS/P2 19933 EN · December 2024

Certain image(s) used under license from Shutterstock.com.