



 EUGEN
 WOERNER
 GmbH & Co. KG

 Postfach
 1661
 DE-97866
 Wertheim

 Am
 Eichamt 8
 DE-97877
 Wertheim

 Tel.
 +49 (0) 9342 803-0
 info@woerner.de
 Fax.+49 (0) 9342 803-202
 www.woerner.de

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## **Description:**

#### Drive:

The pump aggregate GMG-A is driven by a geared motor 5 being flanged to the pump casing 4 from downside.

#### Pump:

When the eccentric shaft 3 is rotating, the delivery piston 2.1 of every pump element 2 performs a suction and delivery stroke per rotation each, whilst delivering the lubricant from the resessvoir 1 to the lubrication points.

Depending on the case of application (lubricant, lubricant volume required, etc.), the pump aggregate can be fitted with different pump elements, reservoirs, and monitoring elements.

#### Pump elements:

In case of suction stroke, the pressure spring 2.2 shifts the delivery piston 2.1 against the eccentric shaft 3. In this operation, the lubricant contained in reservoir 1 is drawn through the suction hole 2.3 into the metering chamber 2.4.

In case of delivery stroke, the eccentric shaft 3 displaces the delivery piston 2.1. Concurrently, the suction hole 2.3 is closed and the lubricant volume available in metering chamber 2.4 discharged through the check valve 2.5 to the outlet 2.6.

The 0,16 cm<sup>3</sup> delivery volume pump element is marked by a black ring R.

#### Notes on operation:

The pump aggregates must be operated with clean oil or grease taken from original packaging drums only. Upon commissioning, the pump, when filled initially, needs to be filled with gear oil up to agitator's level. This way, good venting is ensured. The lines to the lubricants must be cleaned and have free throughput. They should not be connected to the lubrication points unless the lubricant comes out free of air. All connections of the delivery line should be checked for leakage.

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Subject to modifications -





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Purchase-designation: Pump aggregate GMG-A///////////////////////////////////								
Rese	ervoir	Level contr	ol Flow-up	Filling connec- tion	Pump e left	element right	Dri	ve <sup>1)</sup>
1, Polycal (1,	5l rbonate	For grease Intermittent min. monitori	e: t ng	Flat lubrication nipple	0,08cm <sup>3</sup>	0,08cm <sup>3</sup>	24V IP () IP	<b>DC</b> : 30 1) 55 2)
Polya	H amide P	For oil: min. monitori	ng without	Lock nipple	Lock nipple 0,16cm <sup>3</sup> 0,16 D (16) (16)		230/400V n = 25min D1 n = 4,5min	<b>400∨:</b> 5min <sup>-1</sup> 01) 5min <sup>-1</sup>
T Steel	7I sheet	without		without	without	without	n = 1	2) Imin <sup>-1</sup> 3

<sup>1)</sup> No drive "D1", "D2", "D3" possible for reservoir "1,5"

## Purchase-example:

Pump aggregate GMG-A with reservoir 1,5I; with level control "C"; without flow-up piston; with filling connection "C"; pump element 0,16cm<sup>3</sup> delivery stroke on left side and 0,08cm<sup>3</sup> delivery stroke on right side; drive 24V with unit plug.

## **Purchase-designation:**

GMG-A/1,5/C/0/C/16/08/2

# Spare parts:

Designation	Purchase-no.		
Pump element "08"	752.480-92		
Pump element "16"	752.480-91		
Magnetic field sensor "C"	913.900-27		
Level switch "F"	477.504-60		
Geared motor "1"	752.480-65		
Geared motor IP55 "2"	752.480-69		

# Auxiliaries:

# (state purchase-no., please)



# Cable jack with LED and cable:

Purchase-no.: Operating voltage:	<b>913.404-19</b> 10 30 VDC
Cable	
Cross section:	3x0,34 mm <sup>2</sup>
Length:	5 m
System of protection:	IP 68

# Cable jack with terminals: (without LED)

Purchase-no.:	913.404-24
Connection type:	Screws
Connection cross section:	at max. 0,75 mm <sup>2</sup>
Cable diameter:	4 6 mm
System of protection:	IP 67

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