

9. Accessories

Packaged fitting sets

	Pump connection	Pipe connection type & size	Material number	Approx. ship. wt. (lb/oz.)		
		NPT				
Flange sets ★	Cast iron	GF 15/26 flange	3/4	519601	2 lb 4 oz.	
			1	519602	2 lb 4 oz.	
			1-1/4	519603	2 lb 2 oz.	
		GF 40/43 flange	1-1/2	519604	2 lb 2 oz.	
			1-1/2	539605	2 lb 7 oz.	
			2	91584910	12 lb	
	GF 53 flange	2-1/2	91584911	12 lb		
		3	91584912	12 lb		
		Bronze ★★	GF 15/26 flange	3/4	519651	2 lb 2 oz.
				1	519652	2 lb 3 oz.
			GF 40/43 flange	1-1/4	96409356	2 lb 1 oz.
	1-1/2			539615	3 lb	
	2			91584913	12 lb	
	GF 53 flange	2-1/2	91584914	12 lb		
3		91584915	12 lb			

★ Flange sets include: 2 each - flanges, gaskets, bolts with nuts.

★★ Use bronze counter flange for stainless steel MAGNA

Expansion modules for MAGNA

MAGNA pumps can be fitted with an optional expansion module enabling communication via external signals (signal transmitters).

Product	Product number
GENI module	605945
LON module	605809

GENI module

The GENI module has an input for an external 0-10 VDC analog signal transmitter (terminal 10 V and \downarrow). Via this input, the pump can be controlled by an external controller if the pump has been set to one of the following control modes:

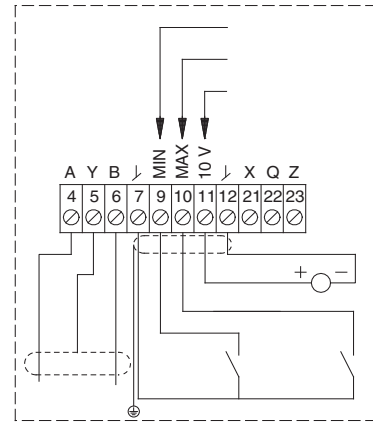
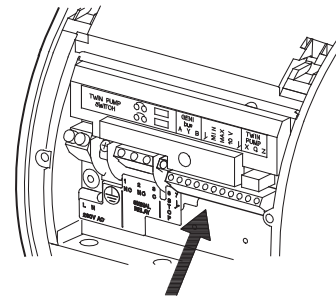
- Constant curve
- Proportional- or constant-pressure control.

The GENI module also incorporates inputs for external signals for the forced-control functions:

- Max. curve duty
- Min. curve duty.

Input signals

Setpoint signals	<ul style="list-style-type: none"> • Max. and min. curve input External potential-free switch. Maximum contact load: 5 V, 1 mA. Screened cable. Maximum loop resistance: 130 Ω.
	<ul style="list-style-type: none"> • Input for analog 0-10 V signal External signal: 0-10 VDC. Maximum load: 0.1 mA. Screened cable.
Bus input	Grundfos GENIbus protocol, RS-485. Screened cable. Lead cross section: 0.25 - 1 mm ² . Maximum cable length: 3940 ft (1200 m).



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Fig. 24 Connection of GENI module

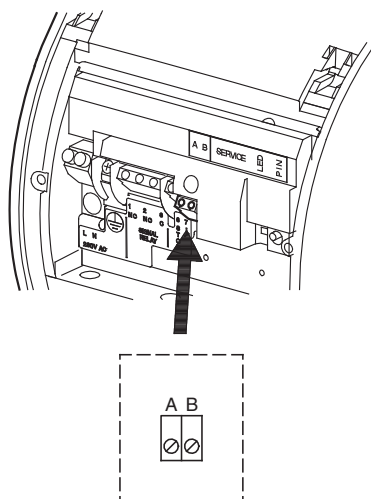
Product	For MAGNA 32-60, 32-100	For MAGNA 40-120, 65-60, 65-120
GENI module	—	605945
LON module	GENI module and G10-LON required	605809
Relay module	—	—

LON module

The LON module offers the possibility of connecting the pump to a LonWorks® network. The module is used for data transmission between a network and the MAGNA 40-120, 65-60, and 65-120 pumps.

Input signals

Bus input	LonTalk® protocol, FTT 10. Non-screened, twisted-pair cable. Lead cross section: 0.25 - 1 mm ² .
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Fig. 25 Connection of LON module

R100

The R100 is designed for wireless communication with the pump. The 100 communicates with the pump via infra-red light.

Product	Product number
R100	96615297