

# 18517-MI



## Rolling Diaphragm Pump

### Series 1101 **SAPHYR**



#### Product Features

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- Compact
- Low pulsation
- High performance
- Low weight
- Low sound level
- High efficiency
- Oil-less
- Optional integrated check valve

#### Typical Application

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- Stationary and portable blood pressure measuring devices

#### Other Applications

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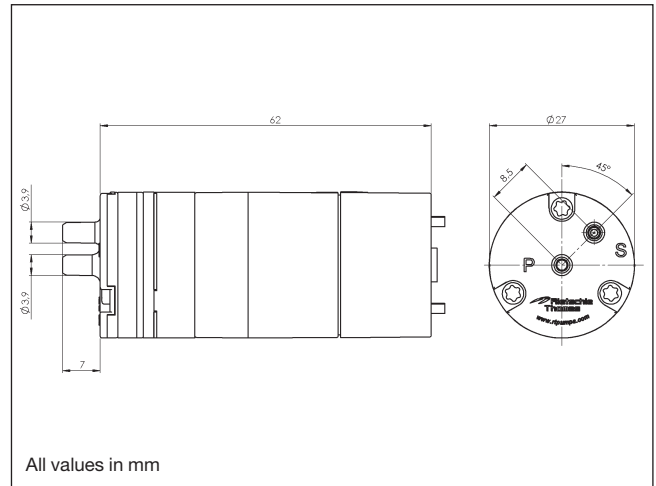
- Industrial applications
- Medical devices
- Laboratory and analysis technology



# Rolling Diaphragm Pump 1101D

**SAPHYR****THOMAS**  
A Gardner Denver Product

<b>Flow</b>	<b>3,2 l/min</b>
<b>Working pressure max.</b>	<b>500 mbar</b>

**Pneumatic Data**

Type description	1101D without check valve
Part No.	110101 117 (Custom)
Max. flow	3,2 l/min
Max. theoretical press	1,5 bar
Max. working pressure	500 mbar
Max. restart pressure	500 mbar
Pump up time (0 to 270 mmHg – 500 ccm constant volume)	5 sec

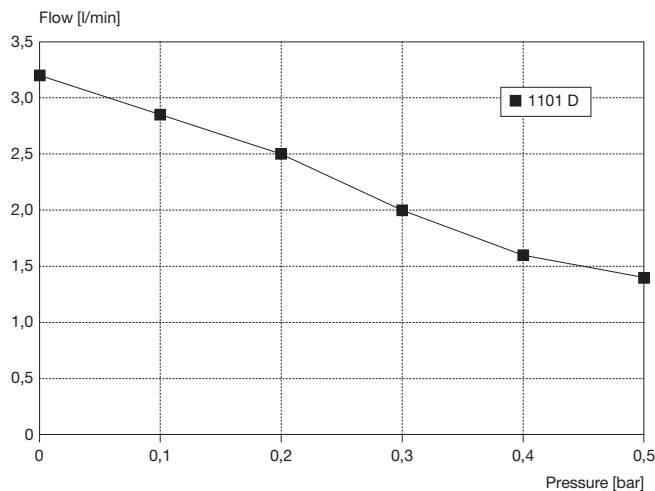
**Electrical Data**

Motor type	Standard DC
Power consumption	6 W
Protection class	IP00

**General Data**

Ambient temperature	5 to 40 °C
Weight	75 g
Lifetime	> 100.000 cycles <sup>1)</sup>

<sup>1)</sup> Pump a tank of 500 ccm up to 270 mmHg within 5 sec.

**Flow Curves****Wetted parts**

Pump head	PAA
Diaphragm, valves	EPDM
Check valve (optional)	Silicone
Filter (optional)	Stainless Steel -40



The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as an aid to help in the selection of Thomas products. It is the responsibility of the user to determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. Thomas does not warrant, guarantee or assume any obligation or liability in connection with this information.

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