

# INJECTION TECHNIQUE

## PNEUMATIC PISTON PUMP GX45 PU-N



### APPLICATION

The GX 45 PU-N is a compact and lightweight injection pump which provides a high flowrate. Equipped with threaded and Steck-O connectors it can be used likewise in civil project as well in mining. The wheel (sold separate) makes the Handling of the pump even easier than before.

The pressure injection pump GX 45 PU-N is a pneumatically driven, single acting piston pump, operating acc. to the pressure intensification principle. The area ratio of drive pressure to pressure piston ring area shows the pressure ratio which is 45:1 for GX 45 PU-N pumps.

The pump consists of a pneumatically actuated drive part and a high pressure part, which are connected by a plunger. Two parallel fitted high-pressure pistons at the end of the plunger are connected via yoke. Thus, the drive and high pressure parts are isolated, which prevents that pump medium could get into the pneumatic drive part in case of leakages of the high-pressure sealing.

The plunger is made of high-tensile stainless steel and is distinguished by long service life. The valve seats are of tempered steel and the gaskets are of wear-resistant PTFE.

TECHNICAL DATA		Part. No. 9600.0238	
Air drive pressure	1-5 bar / 14,5-72psi	<b>Connections</b>	
Max. operating pressure at 5 bar inlet pressure	225 bar / 3263 psi	Air connection	RD 32 x 1/8 o. claw coupling G 1/2"
Pressure ratio	45:1	Suction Connection	RD 32 x 1/8"
Stroke volume per double stroke	148cm <sup>3</sup> / 9inch <sup>3</sup>	Pressure outlet	Steck-O DN 10 o. OT G 3/8"
Max. operating temperature	60°C	<b>Weight</b>	ca. 83 kg
Liquids	Polyurethan, Silicate resin	<b>Ratio</b>	1:1
Max. flow rate	ca. 24 l/min on free outlet		
<b>For information of flow rates at the different pressure stages please refer to the performance graph.</b>			
Air piston diameter	200 mm		
High-pressure piston diameter	30 mm		
Dimensions	Height 430 mm	Width 500 mm	Length 1120 mm

Within the specified technical features and performance data, engineering and design of our products are subject to change. To all products and services our general terms and conditions, incl. Product liability, apply exclusively. (mts Perforator, Technical Data Sheet GX45PU-N, Rev. 10/2018)

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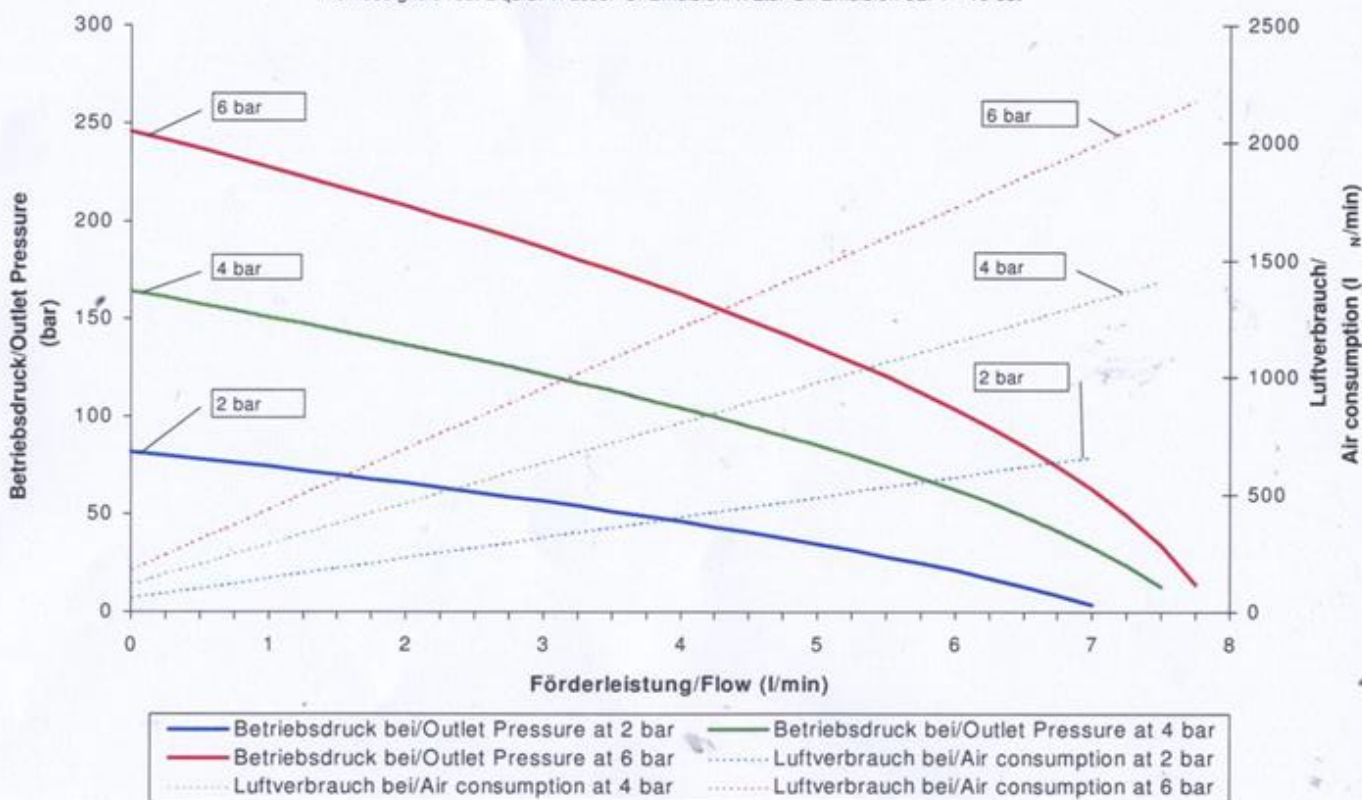
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## PNEUMATIC PISTON PUMP GSF35-2 PU-N



### Leistungsdiagramm/Performance Graph GSF 35 -2PU

Prüfflüssigkeit/Test Liquid: Wasser-Öl-Emulsion/Water Oil Emulsion ca. 1 - 10 cst



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