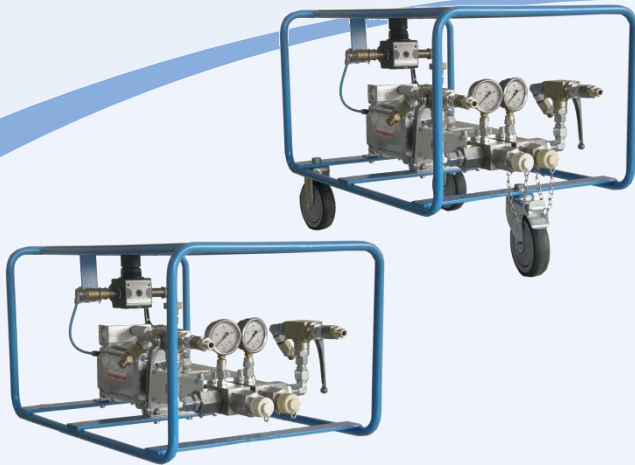


INJECTION TECHNIQUE

PNEUMATIC PISTON PUMP S35 PU-N



APPLICATION

The S35 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 Type S 35 PU-N is a pneumatically driven, single acting piston pump that operates after the pressure intensification principle. The area ratio of drive pressure to pressure piston ring area yields the pressure ratio which is 34:1 in type S 35 PU-N pumps. The pump consists of a pneumatically actuated drive part and a high-pressure part. Drive part and high-pressure part are linked with a piston rod. Two parallel high-pressure pistons are arranged at the end of the piston rod and are connected via a yoke. Thus, the drive and high-pressure parts are isolated and it is prevented that pump medium gets into the pneumatic drive part in case of leakages in the high-pressure sealing.

The piston rods are of high-tensile stainless steel and boast long service lives. The valve seats are of tempered steel and the sealings of wear resistant PTFE.

TECHNICAL DATA		Part. No. 9600.0250	
Air drive pressure	1-6 bar / 14,5-87psi	Connections	
Max. operating pressure at 5 bar inlet pressure	170 bar / 2465 psi	Air connection	RD 32 x 1/8 o. claw coupling G 1/2"
Pressure ratio	34:1	Suction Connection	RD 32 x 1/8"
Stroke volume per double stroke	34 cm ³ / 2,07 inch ³	Pressure outlet	Steck-O DN 10 o. OT G 3/8"
Max. operating temperature	60°C	Weight	ca. 28 kg
Liquids	Polyurethan, Silicate resin		
Max. flow rate	ca. 5,5 l/min on free outlet		
For information of flow rates at the different pressure stages please refer to the performance graph.			
Air piston diameter	125 mm		
High-pressure piston diameter	15 mm		
Dimensions	Height 372 mm	Width 470 mm	Length 690 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 S35PU-N, Rev. 10/2018)

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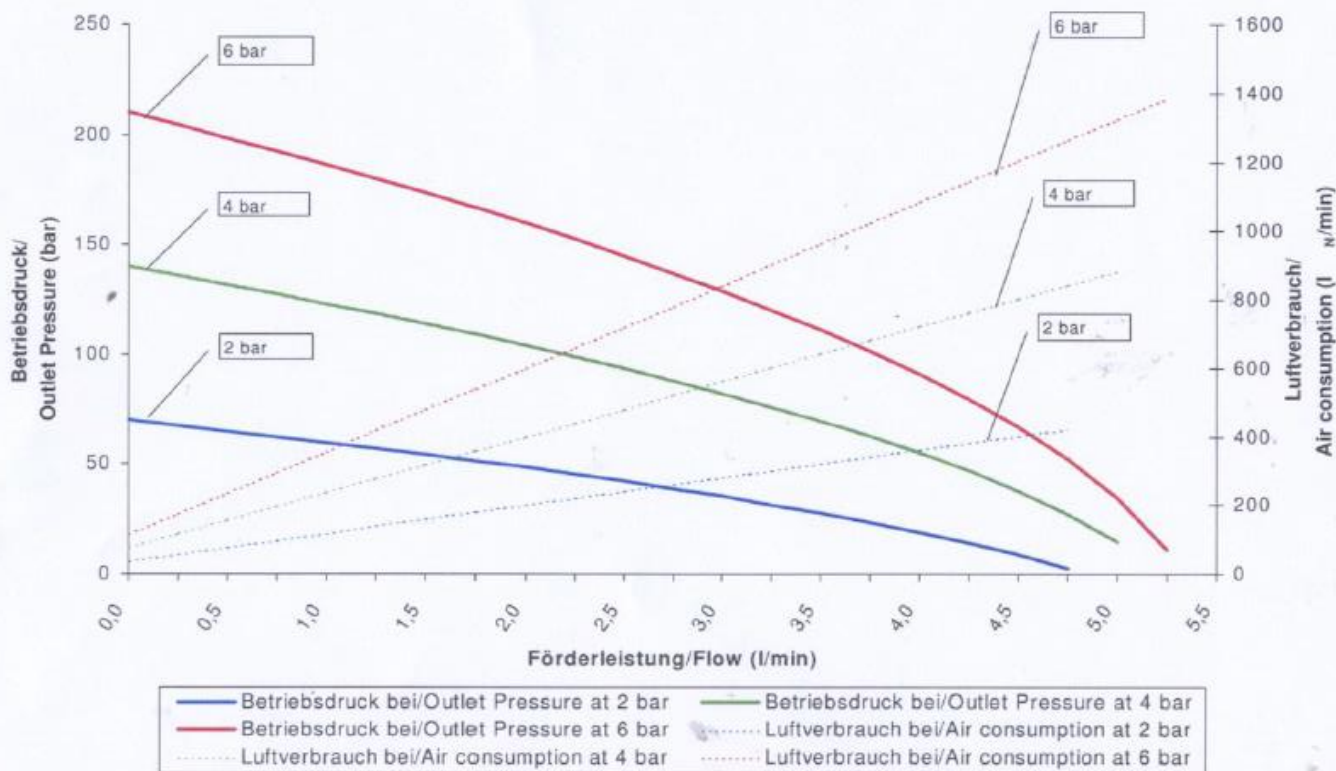
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Leistungsdiagramm/Performance Graph S 35-PU

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



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