

INJECTION TECHNIQUE

PNEUMATIC PISTON PUMP DP40 PU-N



APPLICATION

The mts PERFORATOR DP 40 PU-N pump is a robust constructed Injection pump for high flow rates and pressures, which is generally used as pipeline-pump. The pump can handle most materials on a polyurethane base with a mix ration of 1:1.

The pressure injection pump Type DP 40 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 41:1 in type DP 40 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 UHMW-PE.

TECHNICAL DATA		Part. No. 7800.0178	
Air drive pressure	1-6 bar / 14,5-87psi	Connections	
Max. operating pressure at 5 bar inlet pressure	205 bar / 2973 psi	Air connection	RD 32 x 1/8
Pressure ratio	41:1	Suction Connection	RD 32 x 1/8"
Stroke volume per double stroke	49 cm ³ / 2,99 inch ³	Pressure outlet	Steck-O DN 20 (DN10 Adapters included)
Max. operating temperature	60°C	Weight	ca. 120 kg
Liquids	Polyurethan, Silicate resin		
Max. flow rate	ca. 25 l/min on free outlet		
For information of flow rates at the different pressure stages please refer to the performance graph.			
Air piston diameter	300 mm		
High-pressure piston diameter	33 mm		
Dimensions	Height 490 mm	Width 470 mm	Length 940 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 DP40 PU-N, Rev. 10/2018)

Bei dem Gerichte
37445 Walkenried
Germany
Tel.: +49 5525 201 - 0
Fax: +49 5525 201 - 48



E-Mail: info@mtsperforator.de
www.mtsperforator.de

Am Heisterbusch 18 a
19246 Lüttow-Valluhn
Germany
Tel.: +49 38851 327 - 0
Fax: +49 38851 327 - 10

Leistungsdiagramm/Performance Graph DP 40 PU

Prüfflüssigkeit/Test Liquid: KOSMOL T 68 (20°C)

