

PERFORATOR® GMBH

HIP 5.5/150

part. no.: 9600.0132



The pressure injection pump HIP 5.5/150 is a hydraulic driven, single acting piston pump, operating acc. to the pressure intensification principle.

The pump consists of a hydraulic 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 hydraulic drive part in case of leakages of the high-pressure sealing.

The pump is equipped with an overflow protection at both pressure outlets.

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.

Application: The HIP 5.5/150 is a compact injection pump with small dimensions and low weight, but with a high flow rate. It is mainly used as pipeline pump to supply injection fluids on Polyurethane basis and in a mixing ratio of 1:1 from gate road to longwall face.

Technical Data:

Max. hydraulic drive pressure	300 bar / 4350psi	Connections	
Max. operating pressure	150 bar / 2175psi	Hydraulic connection inlet	Steck-O DN10
Pressure ratio	2:1	Hydraulic connection outlet	Steck-O DN10
Stroke volume per double stroke	148 cm ³ / 9inch ³	Suction connection	RD 32x1/8"
Max. operating temperature	60°C	Pressure outlet	Steck-O DN10
Liquids	Polyurethan Silicate resin	Weight	ca. 112 kg
Max. flow rate	ca. 11 l/min on free outlet		
For information of flow rates at the different pressure stages please refer to the performance graph.			
Hydraulic piston diameter	60 mm		
High-pressure piston diameter	30 mm		
Dimensions	Height	500 mm	
	Width	500 mm	
	Length	1200 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. (Perforator, Technical Data Sheet HIP 5.5/150, Rev. 01/ 2012)

PERFORATOR GmbH

Bel dem Gerichte • 37445 Walkenried • Germany • Fon +49 (0)55 25 / 2 01-0 • Fax +49 (0)55 25 / 2 01-48
eMail: info@perforator.de • Internet: www.perforator.de