

Hose Pump Type HP-15-E

Hose Pump with adjustable rotation speed for Handling Solids-Bearing, Abrasive Fluids

✱ Dry-run capable ✱ Self-priming ✱ Reversible ✱



Image similar

Applications

Pump for removing and delivering solids-bearing, abrasive and highly viscous fluids, such as waste water, drilling muds, slurries, sludges, mortars, etc.

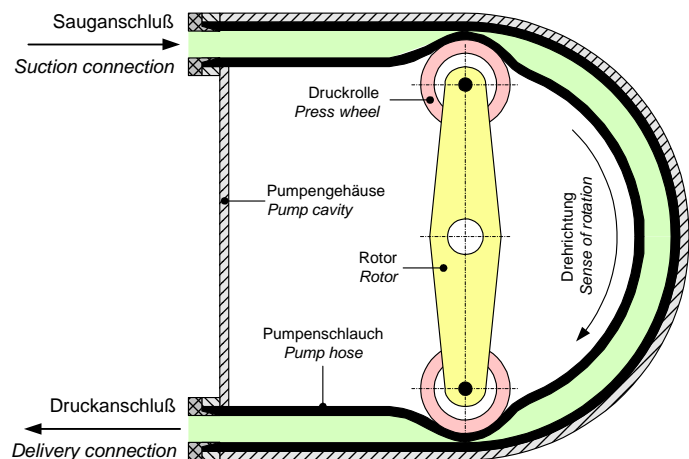
Description

The hose pump consists of the following components and parts:

- Pump casing with airtight casing cover
- Helical geared motor flanged to the pump casing
- Pump rotor directly mounted onto the output shaft of the helical geared motor
- Two Rollers rotating in large-size anti-friction bearings mounted in the rotor
- Special pump hose fastened to the pump casing by means of a pressure-tight clamp fixing
- Pump rack for installing the pump on a foundation provided at the construction site

Accessories:

- ⊙ Base and protective frame for foundation-less setup of the pump, complete with fork lift recesses and lifting lug for crane transport
- ⊙ Pulsation dampener (pressure tank with TÜV approval) with pressure gauge for indicating the discharge pressure
- ⊙ Hose failure detection (capacitive) integrated into the pump casing



We reserve the right to make technical modifications without prior notice and without assuming any obligation with respect to equipment previously supplied. The equipment shown may include optional special features. The technical data do not take into account operational efficiency. Error and misprints reserved..

MAT Mischanlagentechnik GmbH Illerstrasse 6 D-87509 Immenstadt, Germany	Phone +49 (0)8323 9641-0 Fax +49 (0)8323 9641-650 E-mail mat@mat-oa.de http:// www.mat-oa.de	HP-15-E_AN400405_2013-10-28_EN_Sonderausführung.doc
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**Hose Pump
Type HP-15-E**

- ⊙ Vacuum unit for increasing the pump's suction performance mounted to the pump casing, consisting of a vacuum pump and a pressure switch (partial vacuum in the pump casing max. 0.6 bar)
- ⊙ Electrical control with motor protection switch
 - Main and EMERGENCY STOP switch
 - ADVANCE / RETURN / OFF operator pushbutton
 - ACKNOWLEDGE pushbutton for rupture detection system and vacuum pump
 - Potentiometer and frequency converter for speed control
 - Malfunction indication

Technical Specifications

Maximum pumping flow rate (1):	15 m³/h
Maximum pumping pressure:	8 bar
Maximum suction lift:	7 m
Temperature of pumped fluid:	0 to 40 °C
Maximum solid particle size (2):	16 mm
Internal diameter of pump hose:	50 mm
Drive:	7,5 kW; 400 V; 50 Hz; n2 approx. 67 rpm
AC Voltage Supply:	CEE standard 32 A, 5-pole inlet plug
Transport dimensions L x W x H (incl. protective frame):	1270 x 1400 x 1185 mm
Transport weight:	approx. 660 kg

(1) The pumping flow rate depends on the respective suction and discharge conditions, the viscosity of the fluid being pumped, the installed motor power, and the state of wear of the pump hose.

All performance specifications relate to water at 18°C being pumped with zero suction pressure and a new pump hose.

(2) Coarse shaped and sharp-edged particles in the fluid being pumped may cause increased wear and/or premature destruction of the pump hose.

Interfaces

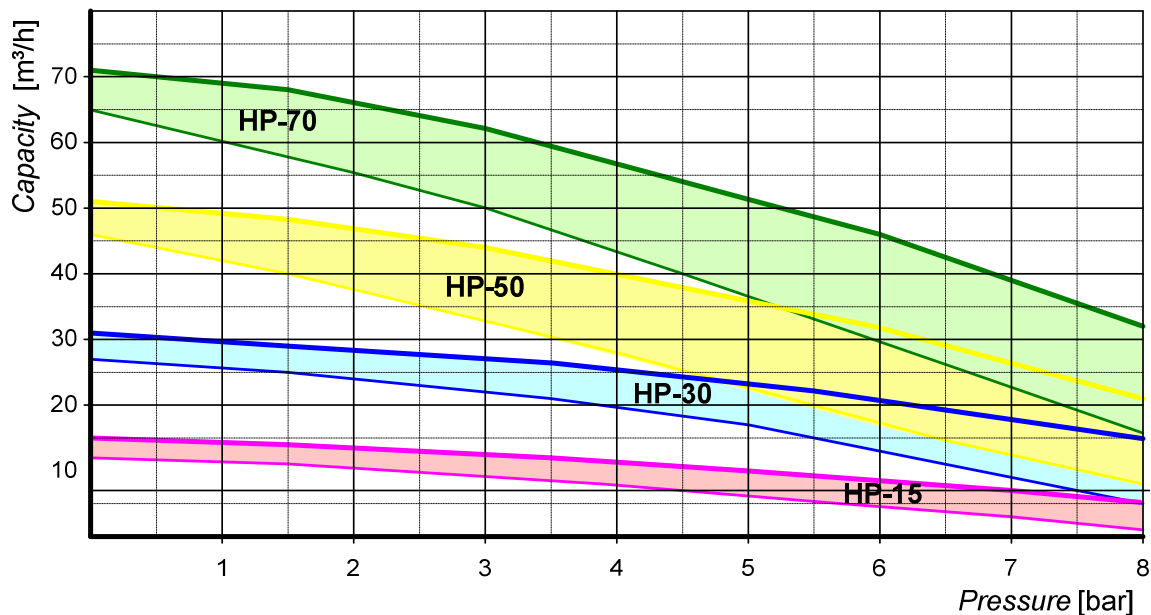
Mains Power Supply: CEE standard-inlet plug (according to IEC 60309, DIN EN 60309) 32 A, 5 pole

Remote control: 1x Industry quality socket outlet

Suction connection: Storz type size C-52, IG 2" coupling

Discharge connection: Storz type size C-52, IG 2" coupling

Performance Diagrams:



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Accessories (Optional):

1. **AN40100300:**
1 Cable Remote Control with Connection Cable 25 m
 with operational controls for following performance:
 - ADVANCE / RETURN / OFF operator pushbutton
 - EMERGENCY STOP switch
 - Malfunction indication
 - Potentiometer for speed control
2. **AN40100299:**
1 Radio Remote Control
 with operational controls for following performance:
 - ADVANCE / RETURN / OFF operator pushbutton
 - EMERGENCY STOP switch
 - Malfunction indication
 - Potentiometer for speed control

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	Fax	+49 (0)8323 9641-650	
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