

**GERTEC**

Maschinen- und Anlagenbau GmbH

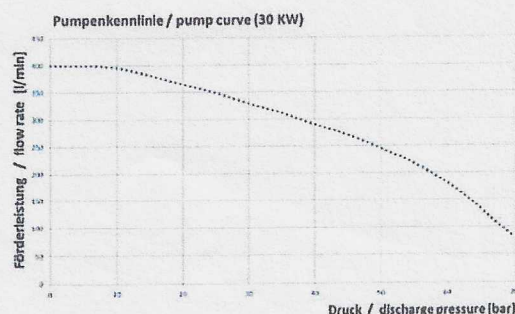
# PP

## Plunger Pumps



## Product Information

### Plunger Pump PP-150-E (70 bar)



### Application areas:

- Sealing, gap and conduct grouting
- Anchor injection, ground stabilization, rock injection
- Drill injection
- Jet grouting, pipe roof grouting
- Cavity filling
- Micro tunnelling

### Discharge and grouting of :

- Cement, bentonite and tone slurries, water glass or other gels
- Cement slurries, anchor grout
- Bentonite and tone slurries
- Cement slurries
- Cement and fly ash slurries
- Bentonite, cement and insulation slurries

### Technical Data / Performance Data \*

Flow rate	0-400	l/min continuously adjustable
Discharge pressure	70	bar continuously limited
Solids grain size	max. 2	mm
Pressure connection	1½"	IG
Suction connection	Storz C	2" standard coupling DIN14307, alternatively 2" IG
Power connection	CEE-plug	63A, 5-pole with phase inverter
Power input	32,0	KW
Voltage	400	V; 50 Hz
Dimensions	1,8 x 1,1 x 2,1	m ( L x W x H)
Weight	approx. 1560	kg

)\* The specified performance data are non-binding values, depending of the rheological slurry characteristics.

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Date: 12.05.2017

Technical specifications  
are subject to change

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# Product Information

## Plunger Pump PP-150-E (70 bar)

### Features (100 bar; electrical pump adjustment):

- ✓ **compact hydraulic power pack** consisting of:
  - sound insulated and encapsulated sheet steel construction, floor assembly constructed as oil drain tank
  - electric drive with vibration-damping fixing for engine
  - hydraulic variable displacement pump and hydraulic fixed displacement pump
  - welded hydraulic tank incl.:
    - visual oil level indicator and electrical minimum level guard
    - oil return filter including visual contamination indicator
    - venting nozzles
    - separate oil drain nozzles
  - hydraulic control block incl. 2 electrical proportional valves  
(1 x electrical continuously adjustment of the pump flow rate,  
1 x electrical continuously limiting of the pump discharge pressure)
  - air-oil cooler
- ✓ **Double plunger pump** vertical mounted; self-running ball valves, encapsulated hydraulic drive
- ✓ **Pump pressure line** with 2 lubricated high-pressure ball valves  
(1 x possible pressure relief/circulation, 1 x pressure connection plunger pump);  
pressure line incl. diaphragm seal and visual pressure display (manometer 100 mm)
- ✓ **Transport traverse** with central hitch
- ✓ **Sled-base frame** galvanized with forklift pockets
- ✓ **Electrical function and power control** incl.:
  - light indicator button Pump ON / OFF
  - electrical adjustment of pump flow rate 0-100%
  - electrical adjustment of pump discharge pressure 0-100%
  - operation mode switch (far / near / maintenance)
  - resettable stroke counter (pump strokes)
  - light indicator button acknowledge fault
  - emergency-off button
  - various push buttons maintenance operation

### Accessories (not included in delivery):

- Remote control (cable or radio)
- Data logger
- Discharge hoses
- LED ladder (telescoping)
- Spare and wearing part package

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TRADUÇÃO CATÁLOGO.

BOMBA DE ÊMBOLO: PP-150-E

ÁREAS DE APLICAÇÃO:

- . VEDAÇÃO, ABERTURA E REJUNTAMENTO
- . INJEÇÃO DE ÂNCORA, ESTABILIZAÇÃO DE SOLO, INJEÇÃO DE ROCHA
- . INJEÇÃO DE BROCA
- . ATERRAMENTO A JATO, REAJUNTAMENTO DE TELHADOS DE TUBOS
- . PREENCHIMENTO DE CAVIDADES
- . MICROTÚNEL

DESCARGA E REJUNTAMENTO DE:

- . CIMENTO, BENTONITA E STURRIES, COPO D'ÁGUA OU OUTROS GÉIS
- . STURRIES DE CIMENTO, ARGAMASSAS DE ANCORAGEM
- . BENTONITA E STURRIES TURVOS
- . CIMENTO TURVO.
- . CIMENTO E CINZAS TURVAS
- . BENTONITA, CIMENTO E ISOLAMENTO

DADOS TÉCNICOS:

QUOCIENTE DE VAZÃO: 0-400L/MINUTO (CONTINUAMENTE AJUSTÁVEL)

PRESSÃO DE DESCARGA: 70 BAR – MÁXIMO

TAMANHO DE GRÃO SÓLIDO: MÁXIMO 2 mm

CONEXÃO DE PRESSÃO: 1/1/2" LG

CONEXÃO DE SUCÇÃO: STORZ C/2" ACOPLAMENTO PADRÃO DIN 1407,  
ALTERNATIVA 2"IG.

CONEXÃO DE FORÇA: CEE-PLUG, 63ª, 5 POLOS COM INVERSOR DE

FASEENTRADA DE ENERGIA: 32 KW

VOLTAGEM: 400V, 50 HZ

DIMENSÕES: 1,8x1,1x2,1m

PESO: 1.560 KGS.

## INFORMAÇÕES DO PRODUTO

### CARACTERÍSTICAS:

- BOTÃO INDICADOR LUMINOSO LIGAR/DESLIGAR DA BOMBA
- AJUSTE ELÉTRICO DA VAZÃO DA BOMBA: 0-400L/MIN.
- AJUSTE ELÉTRICO DA PRESSÃO DE DESCARGA DA BOMBA
- INTERRUPTOR DE MODO DE OPERAÇÃO (DISTÂNCIA, APROXIMAR)
- CONTADOR DE CURSOS RECONFIGURÁVEL (CURSOS DA BOMBA)
- BOTÃO INDICADOR LUMINOSO RECONHECE FALHA
- BOTÃO DE DESLIGAMENTO DE EMERGÊNCIA
- OPERAÇÃO DE MANUTENÇÃO DE VÁRIOS BOTÕES.

### ACESSÓRIOS:

- CONTROLE REMOTO (CABO OU RÁDIO)
- DATA LOGGER
- MANGUEIRAS DE DESCARGA
- LAVAGEM CONDUZIDA (TELES'CÓPICA)
- PACOTE DE PEÇAS SOBRESSALENTES E DE DESGASTE.