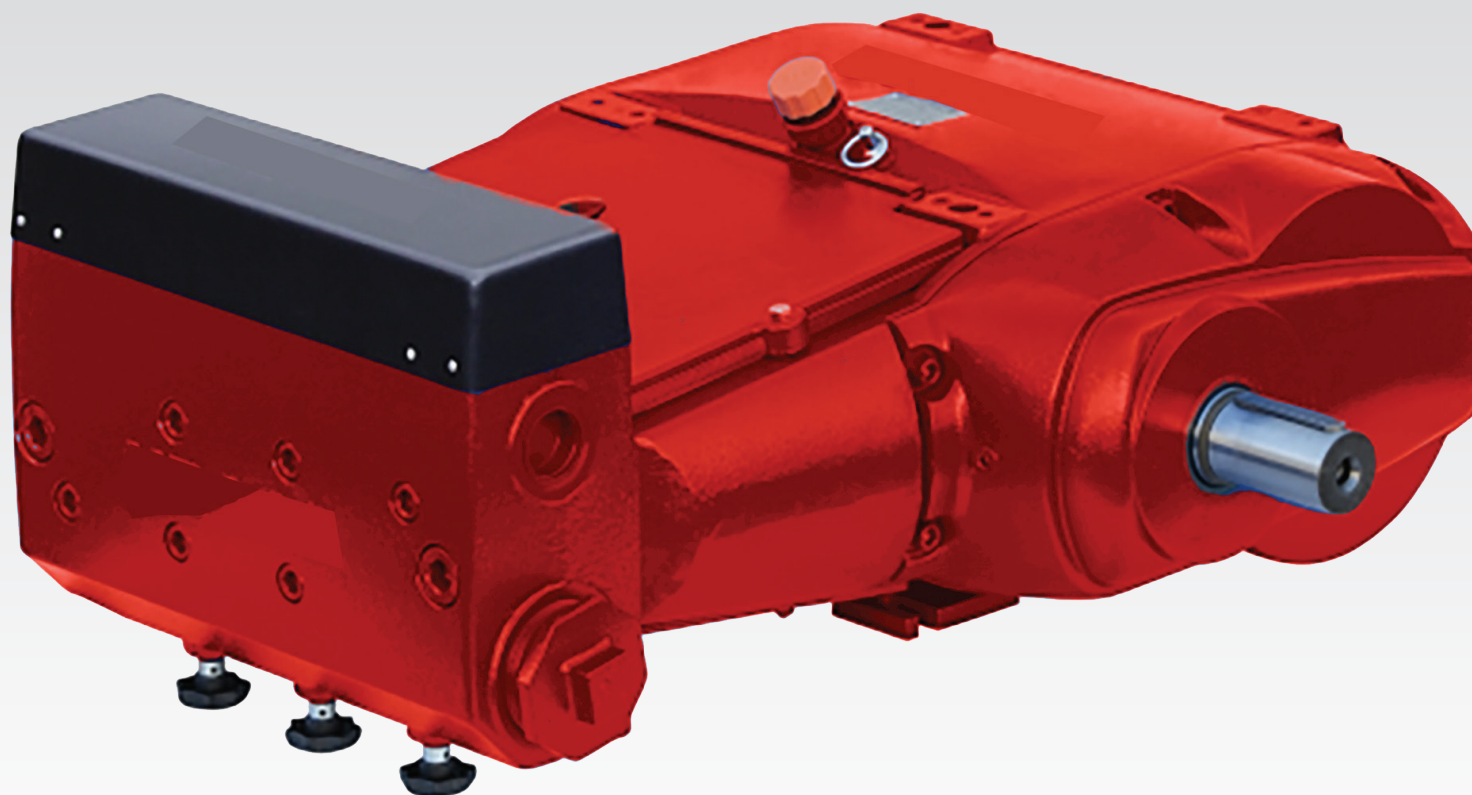


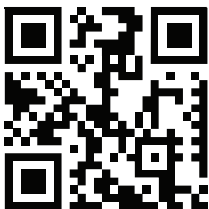
WERNER



WERNER P3-45



Established
88



WERNER P3-45

High-Pressure Triplex Plunger Pump

The Werner P3-45, is a robust, compact high-pressure pump designed for industrial jetting, process applications and service-sector duties. Its extended 75 mm stroke and rugged power-end construction make it suitable for operations requiring high flow rates at medium-to-high pressures.

High-Pressure Triplex Plunger Pump

- Weight: approx. 34.5 kg
- Stroke: 75 mm
- Pump Type: Reciprocating triplex plunger pump
- Available in multiple drive configurations
- Primary Application Areas
 - Industrial cleaning systems
 - High-pressure jetting
 - Processing and service-sector operations

The P3-45 is engineered for low energy consumption, low wear rates, and high mechanical efficiency, resulting in reduced operating costs and extended component life.

Drive, Power ends and design

- No integral gear (bareshaft configuration)
- Heavy-duty power-end casting
- Splash lubrication system
- Optional integrated power-end cooler
- Left or right-hand drive options
- Horizontal installation design
- Drive shaft admissible radial load available on request
- Direction of rotation selectable
- These features support long-duty operational reliability and easy integration into fixed or mobile systems.

Liquid ends

- Tailor-made liquid-end designs for maximised volumetric efficiency
- Single stuffing-box design
- Clear-water compatible
- Valve-lift function for drainage assistance
- High resistance to wear and corrosion across all wetted parts
- This ensures stable performance across various liquid types and operating conditions.

Technical Specifications

- Motor power recommendations assume water as the pumped medium
- Liquid-end design depends on the fluid type and duty requirements
- Additional operating data and detailed dimensional drawings available on request
- Both intermittent and continuous-duty data available
- Suction pressure requirements vary depending on system design
- Suction and discharge connections available on either side

Technical Data

Drive speed		min ⁻¹	1000		1200		1500		1800
Gear ratio		i _{gear}	3.13	2.62	3.13	2.62	3.13	2.62	3.13
Pump speed		min ⁻¹	319	382	383	458	479	573	575
Pressure (bar)	Plunger (mm)		Capacity		l/min (±2%)		Power required		kW (+3%)
150	70	l/min kW	268 74	321 88	322 88	385 106	402 110	482 132	483 132
175	65	l/min kW	230 74	275 88	276 88	331 106	345 110	413 132	414 132
205	60	l/min kW	195 73	233 87	234 87	280 105	292 109	350 131	351 131
250	55	l/min kW	162 74	194 88	195 88	233 106	243 111	291 133	292 133

• 1 bar=14.5038 psi; 1 l/min=0.26417 USGPM=0.22 IPGPM; 1kW=1.3410 HP; 1mm=0.03937 inch



Get in touch

For all high-pressure jetting systems, industrial pumps and engineered water-handling solutions, contact Werner South Africa Pumps & Equipment today. Experience the highest levels of service, innovation, and support in the industry.



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