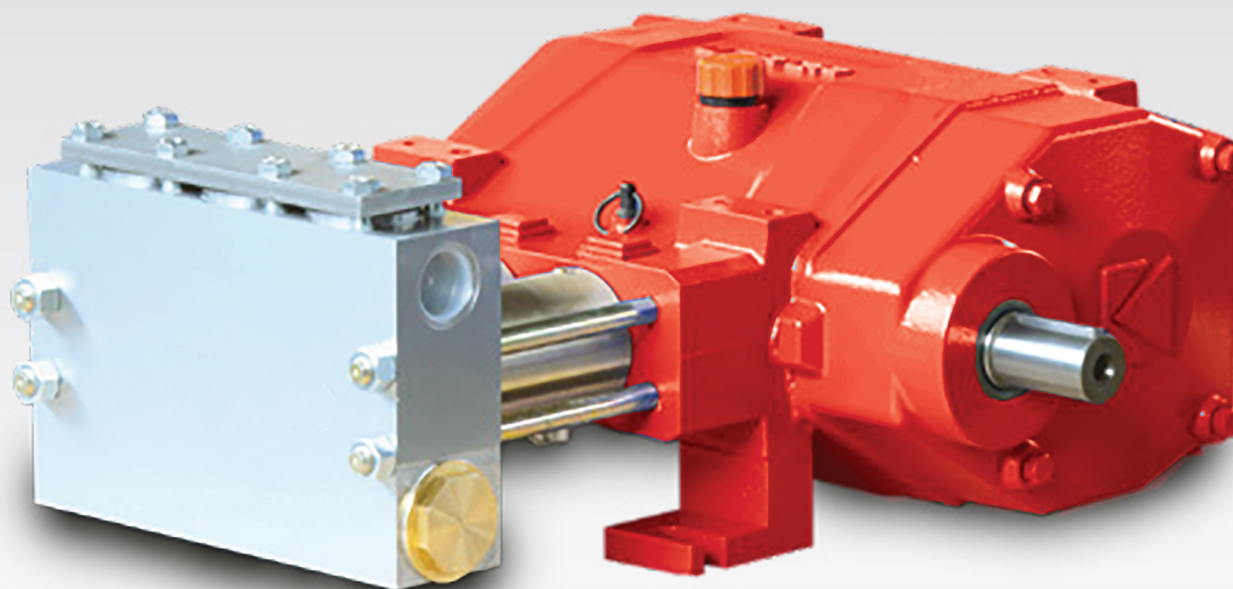


WERNER



WERNER P3-19





WERNER P3-19

High-Pressure Triplex Plunger Pump — 75 kW

The pump illustrated on Page 1 shows the Werner P3-19 in its corrosion-resistant liquid-end configuration, built with a compact, rugged power-end housing designed for long duty cycles and harsh sewer-cleaning environments. This model forms part of Werner's industrial high-pressure pump series, engineered for reliability, energy efficiency and service longevity.

High-Pressure Triplex Plunger Pump 75 kW

- The Werner P3-19 is a sturdy reciprocating triplex plunger pump available in a variety of drive-end and gearbox configurations. It is widely used across:
 - Sewer cleaning fleets
 - Industrial jetting equipment
 - Service-sector high-pressure systems
- The pump achieves high mechanical efficiency, resulting in:
 - Reduced operational costs
 - Low wear and long service life
 - Excellent volumetric stability across the entire pressure range

Power ends and design

- Robust cast power-end casing
- Splash lubrication with standard integrated crosshead sealing
- Optional power-end cooler for improved thermal control
- High permissible radial loads on the drive shaft (available on request)
- Rotation direction selectable for flexible installation
- Designed with speed limits at higher pressure stages for mechanical protection

Drive

- Standard Bareshaft Drive
 - P3-19: Supplied without integral gear
 - Suction and discharge ports available on either side

- Integrated Gearbox Version
 - P3-19G:
 - Compact in design
 - Smaller installation footprint
 - Ideal for mobile jetting systems

- Hydraulic Drive Variant
 - P3-19H:
 - Mating flange face for hydraulic motor
 - Crankshaft with internal toothing for direct SAE C connection

This flexibility allows the P3-19 to be integrated into vehicle-mounted jetting units, skid frames, industrial wash rigs and fixed installations.

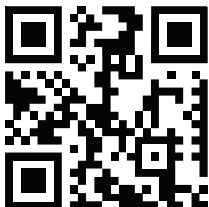
Liquid ends

- Version A1 — Corrosion-Resistant Liquid End
 - Single stuffing-box assembly
 - High corrosion resistance on all wetted components
 - Suitable for clear water, recycled water and general jetting applications
 - Valve-lift system for drainage
 - Left- or right-hand drive configuration
 - Horizontal installation orientation
 - Built for optimal availability and low wear

- Performance Design
 - Tailor-made valve and flow geometry for optimum volumetric efficiency
 - Compatible with a wide range of liquids
 - Intermittent-duty data provided as standard; continuous-duty ratings available on request

Technical Specifications

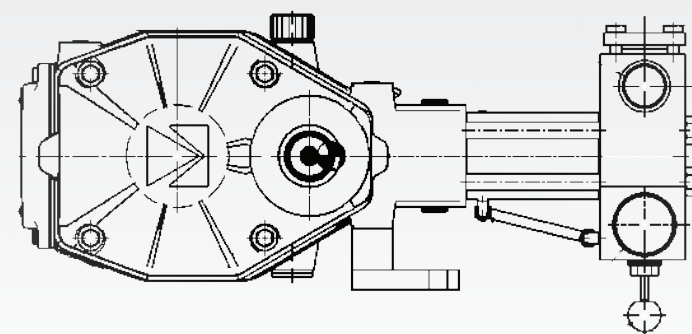
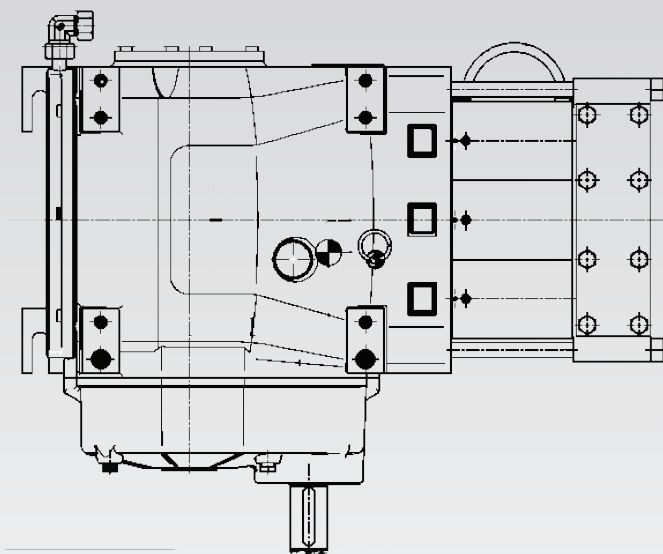
- Radial-load capability available on request
- Motor and performance ratings assume water as the pumped medium
- Operating performance depends on liquid and duty conditions
- Detailed dimensional drawings available on request
- Suction requirements vary with application and pressure class



Technical Data

Drive speed			min ⁻¹	1000			1500			1800			2100			2400	
Gear ratio			i _{gear}	3.42	3.00	2.65	3.42	3.00	2.65	3.42	3.00	2.65	3.42	3.00	2.65	3.42	3.00
Pump speed			min ⁻¹	292	333	377	438	500	566	526	600	679	614	700	792	702	800
Version	Pres (bar)	Plunger (mm)		Capacity			l/min (±2%)						Power required			kW (+3%)	
A1	140	55	l/min	122	139	157	182	208	235	219	249	282	255	291		292	
			kW	31	35.5	40	46.5	53	60	56	64	72	65	74		75	
	165	50	l/min	100	114	129	150	171	193	180	205	232	210	239	271	240	273
			kW	30	34	39	45	51.5	58	54	62	70	63	72	81.5	72	82
	200	45	l/min	80	92	104	121	137	155	145	165	187	169	192	218	193	220
			kW	29.5	33.5	38	44	50	57	53	60	68	62	70	79	70	80
	250	40	l/min	63	72	81	94	107	122	113	129	146	132	150	170	151	172
			kW	28.5	32.5	37	43	49	55	51	59	66	60	69	77	69	78

- 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 your high-pressure jetting
equipment needs,

Contact Werner South Africa Pumps to experience
the highest standards of supply and service.

For more information on how we can
meet your needs,
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Sales Manager:

Service Manager:



WERNER SOUTH AFRICA PUMPS & EQUIPMENT (PTY) LTD

Sebastian Werner

4-6 Edison Road, New Era, Springs
Republic of South Africa
P.O. Box 11052
Selcourt, Springs, 1567

Tel: +27 (0) 11 362 6280
Fax: +27 (0) 11 362 6797
E-mail: sebastian@wernerpumps.com
Website: www.wernerpumps.com

Managing Director



WERNER SOUTH AFRICA PUMPS & EQUIPMENT (PTY) LTD

George Jolly

4-6 Edison Road, New Era, Springs
Republic of South Africa
P.O. Box 11052
Selcourt, Springs, 1567

Cell: +27 (0) 79 898 6942
Tel: +27 (0) 11 362 6280
Fax: +27 (0) 11 362 6797
E-mail: george@wernerpumps.com
Website: www.wernerpumps.com

Sales Manager



WERNER SOUTH AFRICA PUMPS & EQUIPMENT (PTY) LTD

Wouter Swanepoel

4-6 Edison Road, New Era, Springs
Republic of South Africa
P.O. Box 11052
Selcourt, Springs, 1567

Cell: +27 (0) 82 556 8021
Tel: +27 (0) 11 362 6280
Fax: +27 (0) 11 362 6797
E-mail: wouter@wernerpumps.com
Website: www.wernerpumps.com

Service Manager