



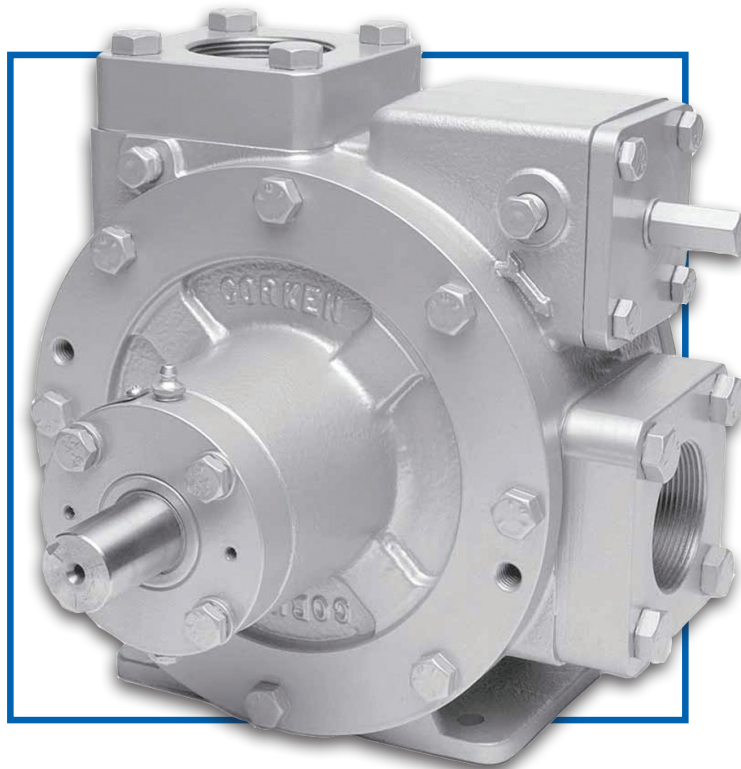
KelairPumps

CALL 1300 789 466

CORKEN
PZ-Series

WHEN PUMP
KNOWLEDGE
MATTERS

A smart choice for exceptional reliability and performance.



CORKEN®

The Corken PZ-Series petroleum pump is a sliding vane design that combines low cost with high reliability and easy maintenance.

The pumps match common industry-standard dimensions for flanges and footprint for easy incorporation into existing or new vehicle layouts, and provide a range of innovative design features that will be appreciated by designers and users alike.

Ideal for truck mounted, solvents, refined fuels, and liquified petroleum gas (LPG) applications, the PZ-Series is available in two sizes.

With a state-of-the-art design and multiple unique features, the PZ-Series is a smart choice for anyone wanting improved performance and exceptional reliability.

KELAIR PUMPS AUSTRALIA - 1300 789 466

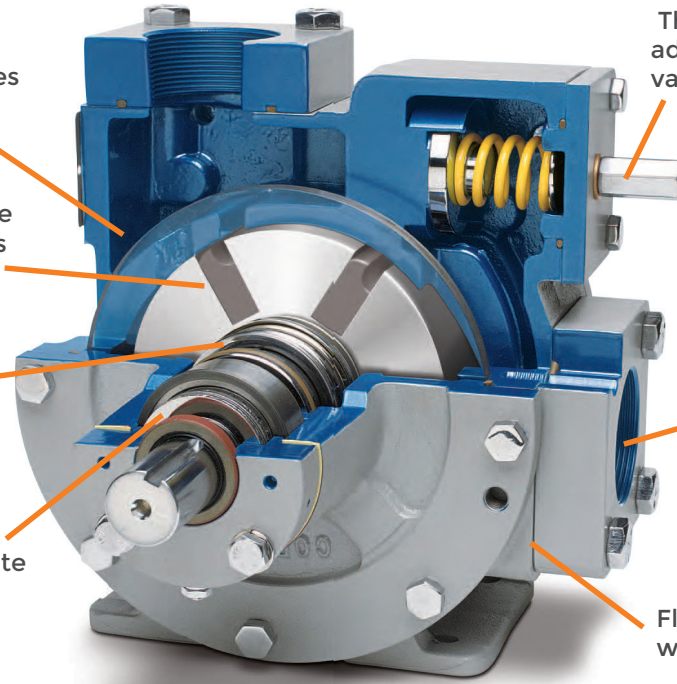
When Pump Knowledge Matters

Reversible sideplates double the life.

Low impact, high strength vane and vane driver design extends pump performance the life.

Mechanical seal comes with a silicon carbide seal seat and is easily replaced by removing the cover.

The needle roller thrust bearings are designed to minimize sideplate wear.



The internal bypass valve is manually adjustable; an optional air operated valve (AOV) is also available.

High flow inlet design virtually eliminates cavitation and increases performance.

Flanges available in NPT and weld designs.

SPECIFICATIONS

- Maximum flow: 150 to 605 LPM
- Maximum differential pressure: 8.6 bar
- Maximum working pressure: 13.8 bar
- Temperature range: up to 149°C
- Maximum speed: 800 RPM
- Standard connections: 2" or 2½" NPT

MATERIALS

- Pump casing and heads: Ductile iron
- Sideplates: Gray iron
- Rotor and flanges: Ductile iron
- Seal seat: Silicon carbide
- O-rings: Buna-N and Viton®
- Blades: Advanced polymers

PZ7 PERFORMANCE CHART

Pump Speed	Differential pressure	Nominal flow rate	Brake Hp Required	Torque Required
RPM	bar	L/min	kW	Nm
800	6.2	371	5.0	60.5
800	3.4	397	2.2	33.8
640	6.2	295	4.1	61.2
640	3.4	318	2.3	34.5
575	6.2	273	3.7	60.7
575	3.4	284	2.0	33.4
420	6.2	182	2.7	61.0
420	3.4	197	1.5	33.9

PZ10 PERFORMANCE CHART

Pump Speed	Differential pressure	Nominal flow rate	Brake Hp Required	Torque Required
RPM	bar	L/min	kW	Nm
800	6.2	575	7.7	91.7
800	3.4	609	4.3	50.7
640	6.2	458	6.1	91.2
640	3.4	485	3.4	51.2
575	6.2	413	5.4	90.4
575	3.4	435	3.1	50.8
420	6.2	303	4.0	91.6
420	3.4	321	2.2	50.9

*Nominal flow rate at pump outlet. The actual flow rate from the hose nozzle will be less, depending on hose length, hose diameter, nozzle size, product viscosity, and other system flow restrictions. Approximate capacities and horsepowers are based on a 38 SSU (3 cP) fluid.

We know the importance of choosing the right equipment to match your process. Whatever your pump requirements, we will help you achieve the best pumping solution.

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