

PZ

Radial piston pumps

Size 2

250 Bar - 500 Bar - 700 Bar

0,28 to 10,05 cm³/rev

Applications:

- Clamping device
- Remote handling tools (rescue, cutting, punching,...)
- Accumulator charging units
- Lifting systems
- Compact presses

Design:

- High-strength aluminum body and piston-cover
- Modular concept (easy to replace piston assembly)
- Customized assembly possible
- Marine version = FPM seals + special coated external parts



Features:

- Light weight compact version
- High volumetric efficiency (up to 98%)
- Wide speed range (100 > 3000 rev/min)
- Combination with gear pump possible
- 1 to 5 Pressure outputs possible (depending on n° pistons)
- Low pulsation, low noise level
- Self-priming and venting
- Offshore versions available (Marine version)

Technical data:

| | |
|------------------------------------|---|
| Hydraulic fluid | Mineral or synthetic oil according DIN 51524 (BIO, other on demand) |
| Viscosity range | 10 to 220 mm ² /s |
| Recommended oil | ISO VG 10 to 68 cSt (conf. DIN 51 519) |
| Filtration | According ISO/DIN 4406 17/15/12 (NAS 1638 class 6) |
| Fluid temperature range | -30 to +80°C (attention to the viscosity range) |
| Ambient temperature range | -40 to +60°C |
| Speed range | 100 to 3000 rev/min |
| Direction of rotation | Bi-directional |
| Suction height | max 500mm |
| Operation pressure on suction port | -0,2 Bar to 0,5 Bar |
| Max pressure on output port | 250 Bar, 500 Bar, 700 Bar (depending on piston size and version) |
| Axial force on driving shaft | Not allowed |
| Radial force on driving shaft | On request |
| Port connections | Via fittings ISO 228/1 (BSP), other on demand) |

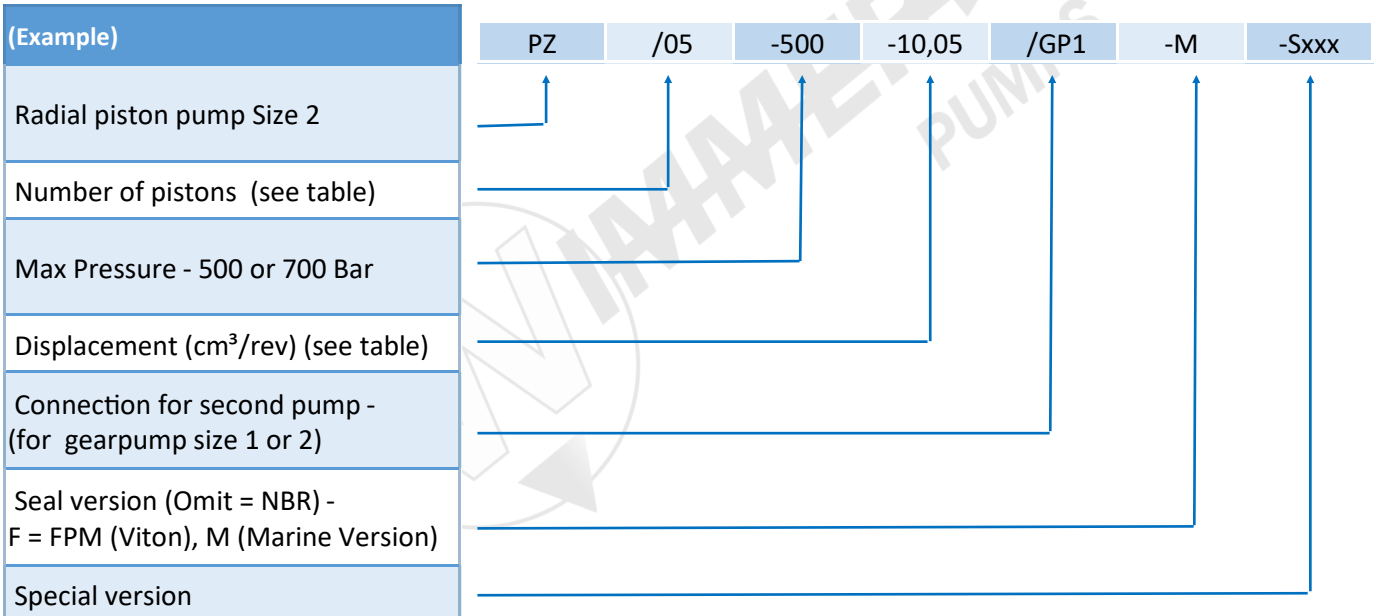
Size 2

250 Bar - 500 Bar - 700 Bar

0,28 to 10,05 cm³/rev



Ordering Code:



(more P- port connections on request)

Maximum pressures and displacements of the standard program:

| Size | Housing | Nb of Pistons | Pressure (bar) / displacement (cm ³) by piston diameter | | | | | |
|------|---------|---------------|---|----------|----------|----------|----------|-----------|
| | | | ∅ 6 mm | ∅ 8 mm | ∅ 9 mm | ∅ 10 mm | ∅ 12 mm | ∅ 16 mm |
| 2 | PZ | 1 | 700/0,28 | 700/0,50 | 700/0,64 | 500/0,79 | 500/1,13 | 250/2,01 |
| | | 2 | 700/0,56 | 700/1,00 | 700/1,28 | 500/1,58 | 500/2,26 | 250/4,02 |
| | | 3 | 700/0,84 | 700/1,50 | 700/1,92 | 500/2,37 | 500/3,39 | 250/6,03 |
| | | 5 | 700/1,41 | 700/2,51 | 700/3,18 | 500/3,93 | 500/5,65 | 250/10,05 |



HYDROSERV - Wimmerpumps

Ninovesteenweg 212 F - B 9320 Erembodegem

Tel: +32 (0)53 71 12 12

Email : contact@wimmerpumps.com

info@hydroserv.eu