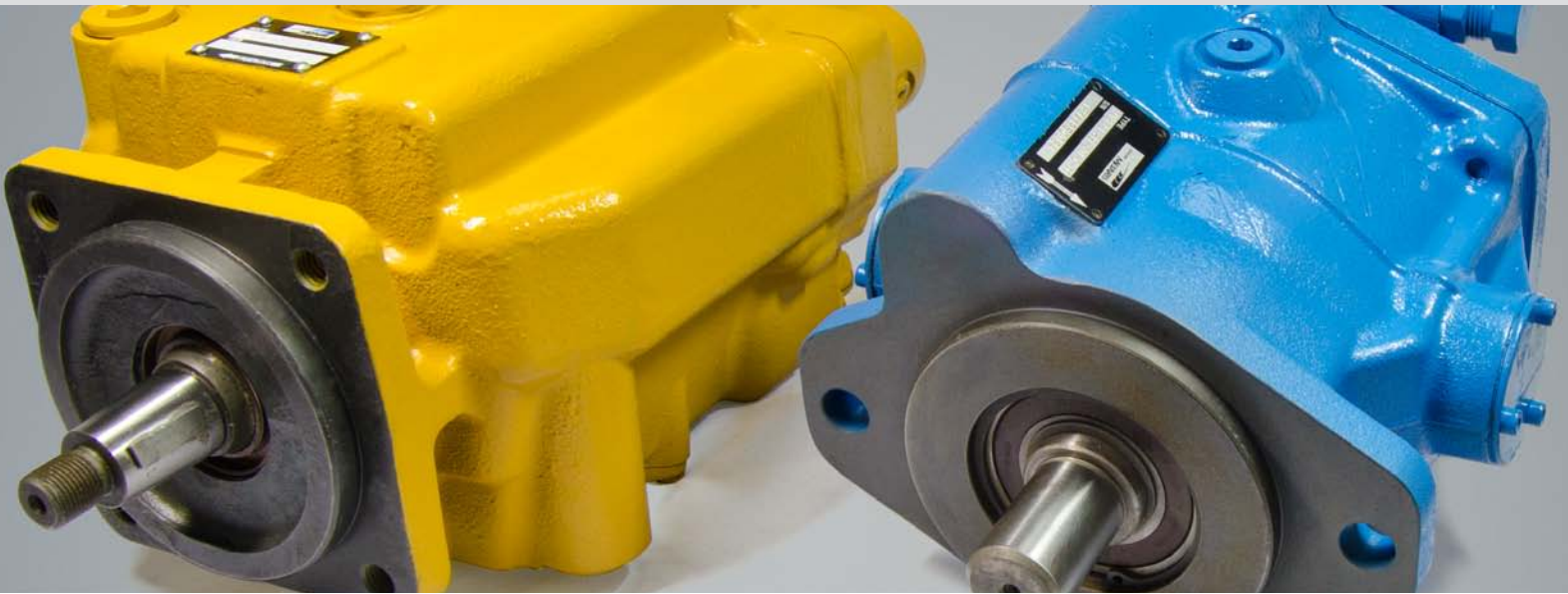


Genuine Metaris MHPVB & MPVH Series Pumps

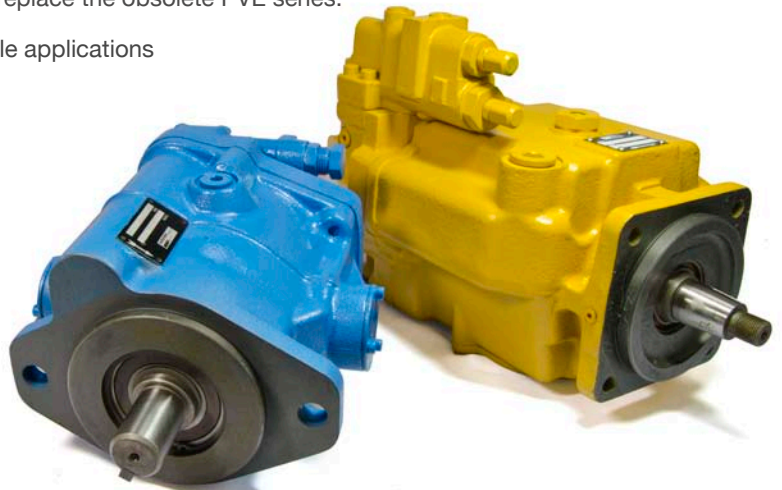
Durable, Versatile and Provide a Long Service Life



High Performance Pumps for Industrial and Mobile Applications

Our MHPVB in-line variable displacement piston pumps have excellent operating features and are capable of operating with many types of hydraulic fluid. These units are durable and offer a long service life, which makes them suitable for the industrial market. Available in six displacements to meet the demands of many applications. Engineered around heavy duty construction and the durability of the cradle bearing design, we have our MPVH line of piston pumps. This series of pumps are ideally suited for the mobile market and are available in four displacements. Furthermore, our line of MPVH series pumps replace the obsolete PVE series.

- High flow, high performance pumps for industrial and mobile applications
- Heavy duty, compact housings
- Compact and lightweight
- Engineered for long service life
- High performance, highly efficient with a variety of hydraulic fluids
- Versatile designs - single pumps, thru-drive pumps
- Multiple drive shaft options and control options
- Heavy duty bearings and shafts
- Interchangeable with Vickers® PVB and PVH series



Built for Industrial Applications

Model Code Breakdown

MHPVB - 5 - R - S - Y - 40 - C - C - 11

Series
MHPVB

Pump Size

- 5 = 10.55 cm³/r (0.64 in³/r)
- 6 = 13.81 cm³/r (0.84 in³/r)
- 10 = 21.10 cm³/r (1.29 in³/r)
- 15 = 33.00 cm³/r (2.01 in³/r)
- 20 = 42.80 cm³/r (2.61 in³/r)
- 29 = 61.60 cm³/r (3.76 in³/r)

Rotation

- R = Right (Clockwise Rotation)
- L = Left (Counter-Clockwise Rotation)

Displacement Zone

- S = One side of center
(Pressure Compensated models only)

Shaft Type

- Y = SAE models PVB5 thru 15 only
(Both Keyed and Splined Shafts are available for all models)

Control Design Number
11 = 'C' and 'CM' controls
20 = 'CG' control

Optional Features
C = Adjustable Maximum Stop

Pressure Control Type
C = Pressure Compensator, (250-3000 psi on 5, 10, 20 models; 250-2000 psi on 6, 15, 29 models)
CG = Remotely Adjustable Pressure Setting
CM = Pressure Compensator, 17-100 bar (250-1500 psi)
CVP = Pressure Limiter/Load Sensing

Pump Design Number
40 = 5 or 6 displacement
40 = 10 or 15 displacement
20 = 20 or 29 displacement

MHPVB Series Piston Pumps

Pump Series	Displacement (in ³ / cm ³)	Max RPM	Flow at 1800 RPM (gpm / lpm)	Operating Pressure (psi)
MHPVB5	.643 / 10.5	3600	5 / 19	3000
MHPVB6	.843 / 13.8	3200	6.5 / 24.6	2000
MHPVB10	1.29 / 21.2	3200	10 / 37.8	3000
MHPVB15	2.01 / 33	3000	15.7 / 59.4	2000
MHPVB20	2.61 / 42.8	2400	20 / 75.7	3000
MHPVB29	3.76 / 61.7	2400	29 / 109.7	2000



Built for Mobile Applications

Model Code Breakdown

MPVH - 57 - QI - C - R - A - F - 2 - S - 11 - C - 25 - V

Series
MPVH

Pump Size
57 = 57 cm³/r (3.5 in³/r)
74 = 74 cm³/r (4.5 in³/r)
98 = 98 cm³/r (6.0 in³/r)
131 = 131 cm³/r (8.0 in³/r)

Application
Blank = Mobile
QI = Quiet Industrial
(1500-1800 rpm @ 250/280 bar)

Mounting Flange
C = SAE 'C' 4-Bolt
C2 = Optional 2/4-Bolt Mount 5" Pilot
C3 = Optional 4-Bolt SAE 'C' Pilot for Vertical Mounting

Rotation
R = Right (Clockwise Rotation)
L = Left (Counter-Clockwise Rotation)

Configuration
Blank = Non Thru-Drive (Single Unit)
A = SAE 'A' Thru-Drive Pump, Standard
(SAE 'A' 2-Bolt Rear Flange Mounting)
B = SAE 'B' Thru-Drive Pump, Optional
(SAE 'B' 2/4-Bolt Rear Flange Mounting)
C = SAE 'C' Thru-Drive Pump, Optional
(SAE 'C' 2/4-Bolt Rear Flange Mounting)
S = Adjustable Max Volume Stop

Main Ports
F = SAE 4-Bolt Flange ports (Standard)
M = SAE 4-Bolt Pads with Metric threads

Additional Control Functions
Blank = No Additional Controls
V = Load Sensing, 20 bar (290 psi)

Pressure Setting
25 = 250 bar (3625 psi) Standard Setting
* = Special Settings Available

Pressure Control Type
C = Compensator, 140-280 bar (2080-4000 psi)
CM = Compensator, 35-140 bar (50-2000 psi)
CV = Load Sense Controller

Pump Design Number
11

Shaft Seal
S = Single, one-way
D = Double, two-way

Shaft Type
1 = SAE 'C' Straight Key
2 = SAE 'C' 14 tooth Spline
3 = SAE 'CC' 17 tooth Spline
5 = Tapered Keyed
8 = SAE 'BB' 15 tooth Spline (57 size only)
10 = 14 tooth Spline (57 & 74 size only)
24 = 19 tooth Spline (57 size only)

Thru-Drive Shafts
2 = 14 tooth Thru-Drive (98 size only)
3 = 17 tooth Thru-Drive (74 & 98 size only)
5 = Tapered Thru-Drive (98 size only)
10 = 14 tooth Spline Thru-Drive
(74 & 98 size only)

MPVH Series Piston Pumps

Pump Series	Displacement (in ³ / cm ³)	Max RPM	Flow at 1800 RPM (gpm / lpm)	Operating Pressure (psi)
MPVH57	3.47 / 57	2400	27 / 102	3600
MPVH74	4.5 / 74	2200	35 / 132	3600
MPVH98	5.9 / 98	2100	46 / 176	3600
MPVH131	8.0 / 131	2000	59 / 223	3600



Hydraulex Global - A Recognized Global Leading Provider of High Quality Hydraulic Components



Products We Offer

- Inline Piston Pumps
- Radial Piston Pumps & Motors
- Bent Axis Piston Pumps & Motors
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- Variable Volume Vane Pumps
- Gear Pumps
- Vane Motors
- Axial Piston Motors
- High Speed Motors
- Servo Motors
- Orbital Motors
- Directional Valves
- Flow Control Valves
- Pressure Control Valves
- Relief Valves
- Check Valves
- Stack Valves
- Servo Valves
- Proportional Valves
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- Cylinders



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