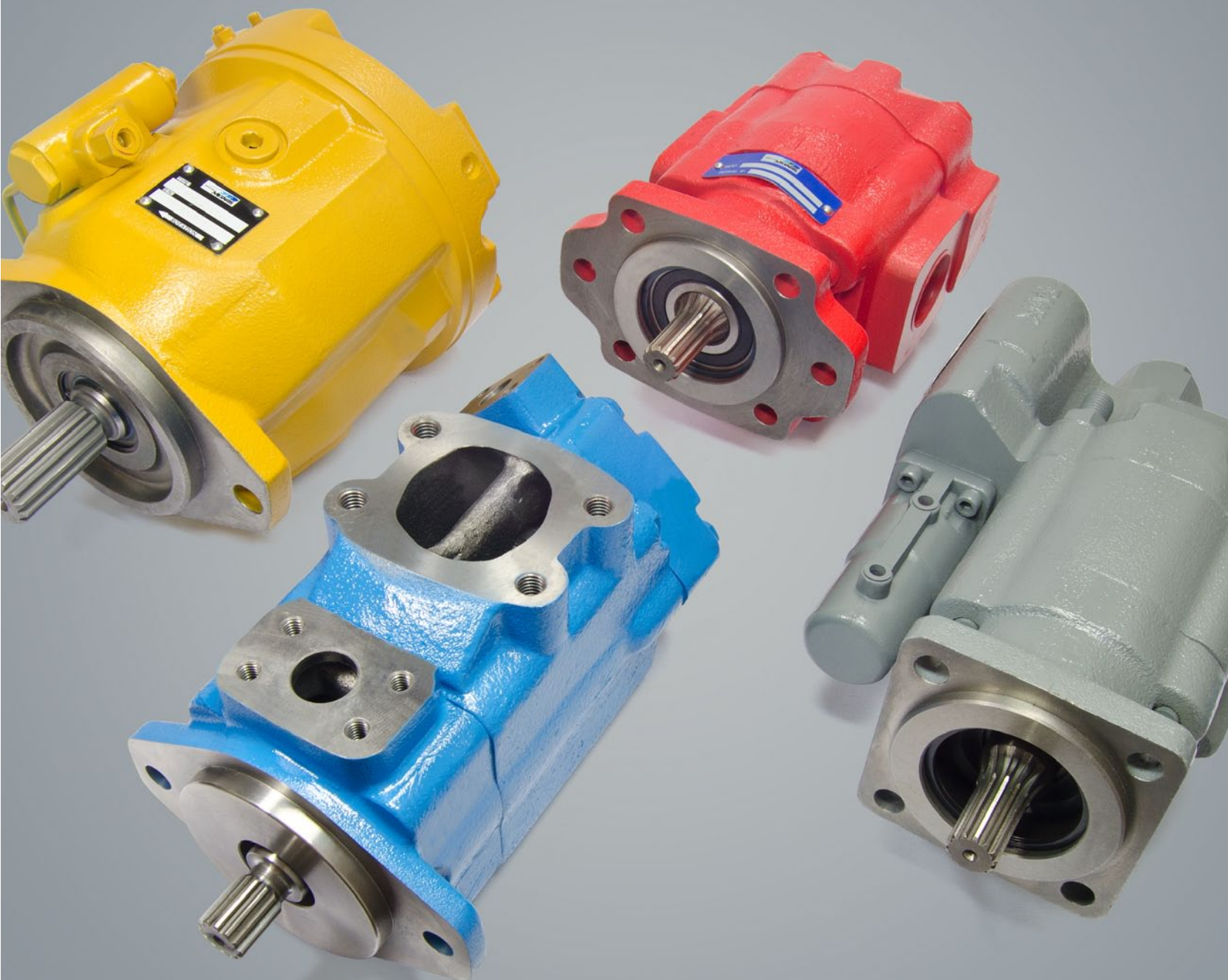


Genuine Metaris Product Catalog

Pumps, Motors, PTOs, Cylinders, Parts and Accessories



PISTON PUMPS



MA10VO SERIES

FEATURES

- Multiple displacements and options available
- Single and Through-drive shaft models
- Series 31 & 52 available
- Multiple drive shaft options
- Controller options include: DR, DRG, DFR, DFR1 & DFLR
- SAE and metric flange options
- Direct replacements for Rexroth® A10VO series

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1800 RPM (GPM / LPM)	PRESSURE (PSI)
MA10VO-18	1.1 / 18	3000	8.5 / 32	4000
MA10VO-28	1.7 / 28	3000	13 / 50	4000
MA10VO-45	2.7 / 45	2600	21 / 81	4000
MA10VO-60	3.7 / 60	2700	28.3 / 107	4000
MA10VO-71	4.3 / 71	2200	33.5 / 127	4000
MA10VO-100	6.1 / 100	2000	47.5 / 179	4000
MA10VO-140	8.5 / 140	1800	66.5 / 251	4000



MPVH SERIES

FEATURES

- High flow, high performance pumps for mobile applications
- Heavy duty, compact housings
- Engineered for long service life
- Multiple drive shaft options and control options
- Replace the obsolete PVE series
- Interchangeable with Vickers® PVH series

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1800 RPM (GPM / LPM)	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



MHPVB SERIES

FEATURES

- High flow, high performance pumps for industrial applications
- Single and Through-drive shaft models
- Highly efficient with a variety of hydraulic fluids
- Multiple drive shaft options and control options
- Interchangeable with Vickers® PVB series

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1800 RPM (GPM / LPM)	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



PV (20) SERIES

FEATURES

- Multiple displacements and options available
- Suitable for a variety of applications
- 8 different frame sizes available
- Multiple drive shaft options and control options
- Heavy duty bearings and shafts
- Easily serviceable
- Direct replacements for Sauer-Sundstrand® 20 series components

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	MAX TORQUE* (KG-M ² -10 ⁻³ / LBF-FT ² -10 ⁻³)
PV-20	2.03 / 33.3	3800	4.34 / 103.0
PV-21	3.15 / 51.6	3500	8.14 / 193.2
PV-22	4.26 / 69.8	3200	12.34 / 292.8
PV-23	5.43 / 89.0	2900	17.77 / 421.7
PV-24	7.24 / 118.7	2700	29.11 / 690.8
PV-25	10.12 / 165.8	2400	50.19 / 1191.0
PV-26	13.87 / 227.3	2100	86.80 / 2059.8
PV-27	20.36 / 333.7	1900	161.40 / 3830.0

* Without Charge Pump

PISTON PUMPS CONT.

MF (20) SERIES



FEATURES

- Multiple displacements and options available
- Suitable for a variety of applications
- 8 different frame sizes available
- Multiple drive shaft options and control options
- Fixed displacement motor can be operated in either direction of rotation
- Direct replacements for Sauer-Sundstrand® 20 series components

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	MAX TORQUE (KG-M ² -10 ⁻³ / LBF-FT ² -10 ⁻³)
MF-20	2.03 / 33.3	3800	4.34 / 103.0
MF-21	3.15 / 51.6	3500	8.14 / 193.2
MF-22	4.26 / 69.8	3200	12.34 / 292.8
MF-23	5.43 / 89.0	2900	17.77 / 421.7
MF-24	7.24 / 118.7	2700	29.11 / 690.8
MF-25	10.12 / 165.8	2400	50.19 / 1191.0
MF-26	13.87 / 227.3	2100	86.80 / 2059.8
MF-27	20.36 / 333.7	1900	161.40 / 3830.0

GEAR PUMPS

MHP/M SERIES



FEATURES

- Roller bearing & sleeve bushing designs available
- Multiple displacements and options available
- Dowelled and rugged cast iron construction
- Multiple porting options
- High strength steel gear and shaft sets
- SAE and metric flange options
- Interchange with similar Commercial®/Parker® and Muncie® gear pumps

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1800 RPM (GPM / LPM)
MH15	.69-2.7 / 11.2-44	2400	5.3-19 / 21-75
MH20/30/31	.99-3.9 / 16.1-64.6	2400	7.7-27 / 30.7-110
MH25/51	1.3-6.4 / 20.9-104.5	2400	9.9-35 / 49.7-178
MH37	2.25-9 / 36-146	2400	17.5-63 / 70-252
MH75/76	3.07-12.3 / 50.3-146	2400	23.9-86 / 95.8-345
MH315	.62-2.48 / 10.2-40.6	3000	4.8-17 / 19.3-69
MH330	.99-3.94 / 16.1-64.6	3000	7.7-27 / 30-110
MH350	1.3-6.4 / 20.9-104.5	2400	9.9-36 / 49.7-178
MH365	2.7-9 / 44.3-146	2400	21-75 / 70-252

MK & ML SERIES



FEATURES

- Heavy duty roller bearing design
- Multiple displacements and options available
- Bi-rotational design
- Combination 2/4 bolt mounting flange
- Dual porting - side & rear, NPT or ORB
- High strength steel gear and shaft sets
- Max pressures from 2500-3000 psi
- Interchange with similar Muncie® gear pumps

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1800 RPM (GPM / LPM)
MK20	.98-3.9 / 16-65	2400	4-17 / 14-61
ML51	4.46-6.37 / 73-104	2400	19-27 / 69-99

MHUP SERIES



FEATURES

- Heavy duty roller bearing design
- 4 different gear sizes available
- The integral 12 VDC solenoid can be operated from the cab
- Can be retrofitted onto existing packers without major changes
- Can be installed at the PTO or front mounting off the crankshaft

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1000 RPM (GPM / LPM)	PRESSURE (PSI)
MHUP 27	6.1 / 102	2500	27 / 102	3000
MHUP 31	7.11 / 117	2500	31 / 117	3000
MHUP 35	8.2 / 132	2400	35 / 132	2750
MHUP 40	9.27 / 151	2300	40 / 151	2750

GEAR PUMPS CONT.

MDV SERIES

FEATURES

- 7 different gear sizes available
- Heavy duty roller bearing design
- Can reduce fuel costs and operator fatigue
- Available in MH51 and MH76 series
- Practical solution to stopping the vehicle & shifting to engage the PTO
- Ideal for refuse packers, snow and ice equipment and many other mobile applications



SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1800 RPM (GPM / LPM)	PRESSURE (PSI)
MDVL 19	4.46 / 73	2400	19 / 72	3000
MDVL 23	5.2 / 85	2400	23 / 87	2500
MDVL 25	5.73 / 93	2400	25 / 84	2500
MDV 27	6.1 / 102	2400	27 / 102	3000
MDV 31	7.11 / 117	2400	31 / 117	3000
MDV 35	8.2 / 132	2400	35 / 132	3000
MDV 40	9.27 / 151	2400	40 / 151	2500

MH SERIES DUMP PUMPS

FEATURES

- Multiple displacements/gear sizes available
- C or G frames - remote mount & direct mount
- Dowelled for higher pressure
- Two or three line hook-up
- High pressure shaft seals and heavy duty roller bearings
- 3 piece cast iron construction
- Optional airshift controls and mounting brackets



SERIES	DISPLACEMENT (IN ³)	MAX RPM	FLOW AT 1200 RPM (GPM)	PRESSURE (PSI)
MHC-101/102	5.1 to 6.38	1800	26.5 to 33.1	2000-2500
MHG-101/102	1.48 to 3.94	1800	7.6 to 20.4	2000-2500

MHWFD SERIES

FEATURES

- Dual pressure pump with direction control valve
- Pump utilizes two relief pressures
- High pressure (3000 psi) for Walking Floor® applications
- Low pressure (2000 psi) for dump applications
- Includes air switch and pump mounting bracket
- Set up as a 3-Line system only



SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1800 RPM (GPM / LPM)	PRESSURE (PSI)
MHWFD2.0	5.1 / 83.6	1800	26.5 / 100.3	2000-3000

Walking Floor® is a registered trademark not owned by or affiliated with Metaris or Hydralex Global.

ORBITAL MOTORS

MM SERIES

FEATURES

- Advanced Roller-Star technology over Gerolor
- Multiple displacements and porting options
- Equipped with high pressure shaft seals
- Multiple shaft and mounting flange options
- Spool valve and disc valve distribution types
- Alternatives for Eaton®/Char-Lynn®, Danfoss®, Parker®, White® and more



SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW (GPM / LPM)
MMPS	3.1-24.1 / 50-395	750-133	10-14 / 38-53
MMRSW	3.1-24.1 / 50-395	775-150	10.6-15.9 / 40-60
MMH	12.2-38.4 / 200-630	360-100	21.1 / 80
MMW	12.2-38.4 / 200-630	360-100	21.1 / 80
MMS	4.9-29.9 / 80-490	3000	19.8 / 75
MMK	6.7-38.1 / 110-625	3000	19.8-25.1 / 75-95
MMT	11.9-60.1 / 195-985	2400	39.6 / 150
MMV	18.9-76.3 / 310-1250	2400	42.3-52.8 / 160-200

VANE PUMPS

MV10, MV20 & MVTM SERIES



FEATURES

- Balanced rotor design
- Variety of displacements, mounting flanges and input shafts
- Optional flow control and priority flow end covers available
- MVTM series available with optional built-in 70 cu.in or 115 cu.in reservoir
- Direct replacements for Vickers® V & VTM series

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1200 RPM (GPM / LPM)	PRESSURE MAX (PSI)
MV10	.2-1.39 / 3.3-22.8	4800	1-7 / 3.8-26.5	2500
MV20	1.1-2.6 / 18-42.6	3400	6-13 / 22.7-49.2	2500
MVTM42	.2-1.18 / 3.3-19.3	2400	1-6 / 3.8-22.7	2000

MV/MVQ SERIES



FEATURES

- Intra-vane design
- Multiple displacements and options available
- Single, tandem, triple and through-drive units
- Multiple drive shaft options
- High volumetric efficiencies
- Engineered for Mobile and Industrial applications
- Direct replacements for Vickers® V & VQ series

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	FLOW AT 1200 RPM (GPM / LPM)	PRESSURE MAX (PSI)
20V/VQ	1.1-2.8 / 18-45.9	2700	5.7-14.6 / 21.6-55.3	3000
25V/VQ	2.5-4.1 / 40.5-67.5	2700	12.8-21.4 / 48.5-81	2500
35V/VQ	4.1-7.4 / 67.5-121.6	2500	21.4-38.6 / 81-146	2500
45V/VQ	8.5-11.8 / 138.6-193.4	2200	44-61.3 / 166.6-232	2500

Tandem Pumps available:

- V2010, V2020
- 2520V/VQ
- 3520V/VQ, 3525V/VQ
- 4520V/VQ, 4525V/VQ, 4535V/VQ

Triple Pumps available:

- 2520VQ/V10
- 3525VQ/V10
- 4535VQ/V10

MT SERIES



FEATURES

- Multiple displacements and options available
- Single, double, triple & drive train options available
- Suitable for multiple applications & multiple fluid viscosities
- Drop-in assemblies, easy conversion, and ease of maintenance - cartridge kit design
- Interchange with Parker®/Denison® T6, T7 & M4 series components

SERIES	DISPLACEMENT (IN ³ / CM ³)	MAX RPM	PRESSURE MAX (PSI / BAR)
MT6C/CM/CR/CC	0.66-12.20 / 11-200	2800	4000 / 275
MT6D/DM/DR/DC	2.9-17.75 / 48-290	2500	3500 / 240
MT6E/EM/ER/EC	8.07-22.5 / 132-370	2200	3500 / 240
MT7D	2.68-9.64 / 44-158	3000	4350 / 300
MT7E	8.07-16.4 / 132-270	2200	3500 / 240
MT6ED/DM	11.0-28.06 / 180-450	2200	3500 / 240
MT6EE	16.1-32.8 / 264-540	2200	3500 / 240
MT67DC/EC	2.68-22.5 / 44-370	2200	4000 / 275
MT6DCC/DCCM	4.22-23.94 / 70-390	2500	4000 / 275

POWER TAKE-OFFS

MH6, MH8, MHD8 SERIES



FEATURES

- Standard and heavy duty applications available
- Compatible with a variety of transmission manufacturers
- Cast iron construction, oversized assembly bolts and heavy duty output bearings
- Several mounting flange and shifter options
- Fit, form and function replacements for Muncie®, Chelsea® and Bezares® PTOs

TYPE	SERIES	INTERMITTENT TORQUE (LBS./FT)	HP AT 500 RPM OUTPUT SPEED	HP AT 1000 RPM OUTPUT SPEED
Standard Duty	MH6	250	24	49
Standard Duty	MH8	250	24	49
Heavy Duty	MHD8	400	40	80

Many PTO Accessories also available:

- Control Towers
- Feathering Valves
- Shifters
- Hydraulic Tanks
- Gear Assembly Adapters

TELESCOPIC CYLINDERS

MH SERIES

FEATURES

- Single acting—3,4 and 5 stage options
- Pin mount and trunnion mount models
- Pin mount are bleeder-less design
- All cylinder stages are chrome plated
- Dual retaining rings & dual nylon bearings
- Low friction dual lip rod seal—longer seal life than V-packing
- Crossovers for Hyco®, Parker® and Custom Hoist®

	GENUINE METARIS®	PARKER®	CUSTOM HOIST®	MUNCIE®	HYCO®
Bleeder-less Design*	✓	✓	✓	✓	-
Low Friction Dual Lip Rod Seal	✓	V-packing	V-packing	✓	✓
Dual Nylon Bearings	✓	✓	✓	✓	✓
Dual Retaining Rings	✓	-	Single retaining ring	-	✓
Chrome Plated Stages (All)	✓	-	-	-	-

* Bleeder-less design feature only available on Genuine Metaris Pin Mount models.



CATERPILLAR® INTERCHANGE

GENUINE METARIS UNITS FOR CAT® EQUIPMENT

We offer a broad range of complete piston and vane pumps for Caterpillar® applications – along with hundreds of hydraulic components including rotary groups, lens plates, pistons, yokes, shafts, cartridge kits, etc. Our components are totally interchangeable with the OEM components you will find on a CAT® dozer, loader, excavator, grader, haul truck, etc. All of our components are quality engineered, competitively priced, and backed by an industry leading warranty.



REPLACEMENT PARTS

PISTON, VANE & GEAR PUMP PARTS

We offer an extensive range of replacement parts for OEM Piston Pumps, Vane Pumps and Gear Pumps. Including Caterpillar®, Kawasaki®, Hitachi®, Komatsu®, Rexroth®, Linde®, Eaton®/Vickers®, Denison and Sauer-Sundstrand®. We regularly stock parts like: Ball Guides, Bearings, Block Springs & Disc Springs, Cylinder Blocks & Valve Plates, Housings & Casings, Piston Sets, Seal Kits, Set Plates, Swash Plate Assemblies, Shafts, Cartridge Kits, Rotors, Vanes, Gear Sets and Thrust Plates.



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