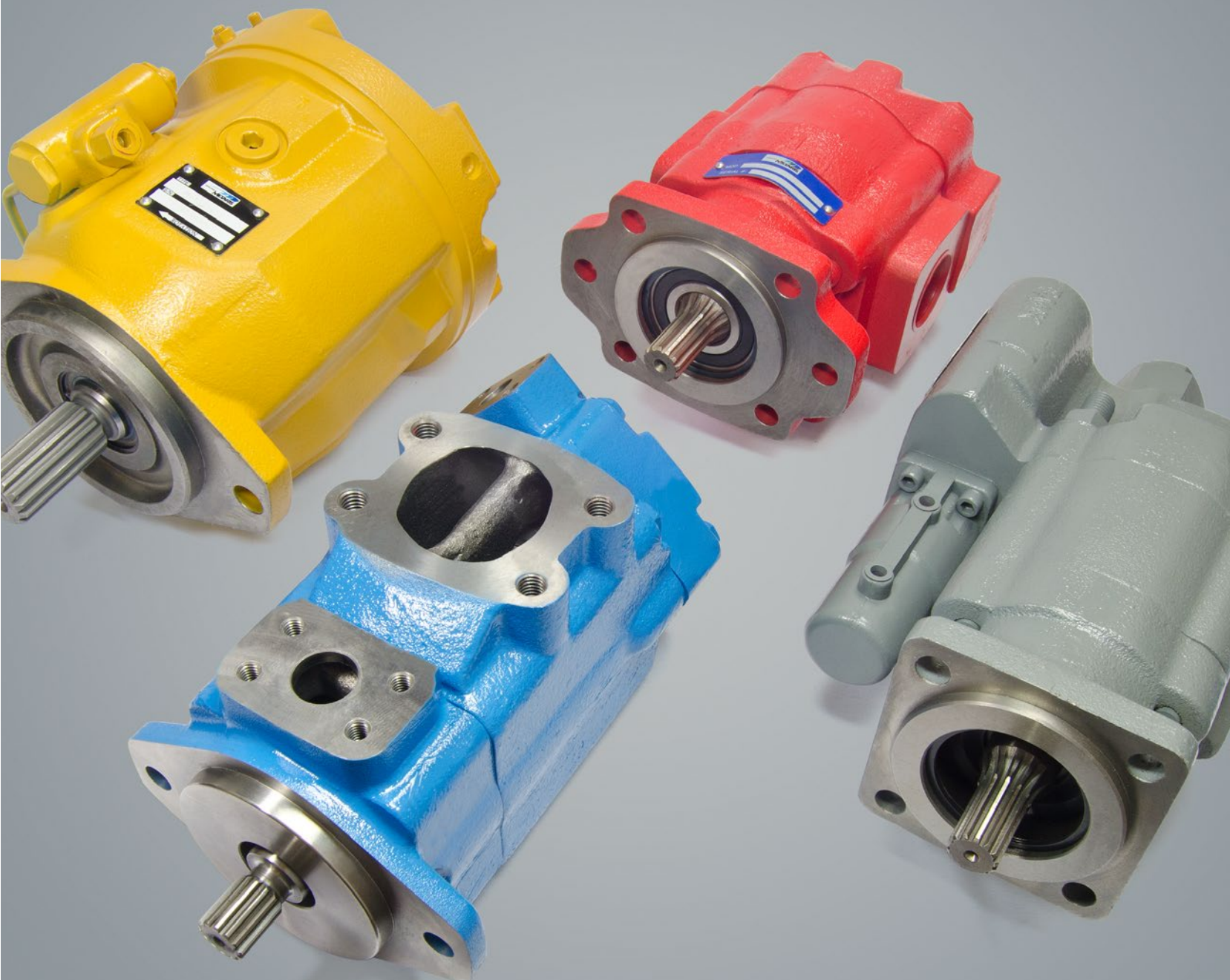


# Genuine Metaris Product Catalog

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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	MAX RPM	MAX TORQUE* (KG-M <sup>2</sup> -10 <sup>-3</sup> / LBF-FT <sup>2</sup> -10 <sup>-3</sup> )
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 <sup>3</sup> / CM <sup>3</sup> )	MAX RPM	MAX TORQUE (KG-M <sup>2</sup> -10 <sup>-3</sup> / LBF-FT <sup>2</sup> -10 <sup>-3</sup> )
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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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 Hydraulux 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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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 <sup>3</sup> / CM <sup>3</sup> )	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

## MH100 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.

# DIRECTIONAL CONTROL VALVES

## MHDV SERIES



### FEATURES

- Heavy duty high-strength iron alloy castings
- Built-in, full-flow relief valves
- Precision machined & hard chrome plated spools
- Large variety of spool types & port options
- Work sections are 100% pre-assembled and tested prior to delivery
- Interchangeable with Parker® DVA/DVG20, DVA/DVG35, VA/VG20, VA/VG35, A20, V40, V42 and 25P series; and Muncie® 60V series

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