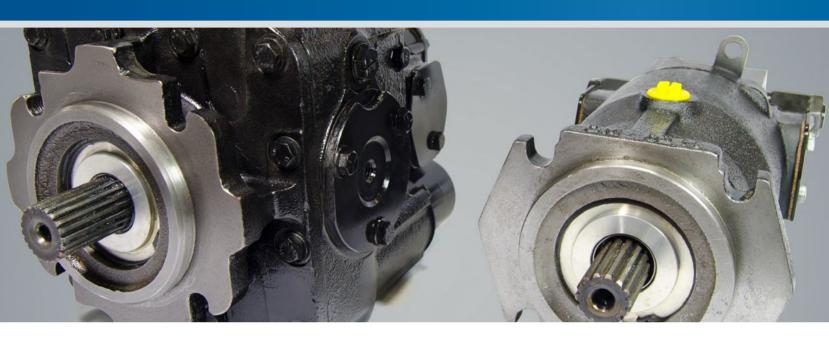


# Genuine Metaris PV & MF Series Pumps and Motors

Engineered for Quality, Durability and Versatility



### **Designed for High Efficiency Output**

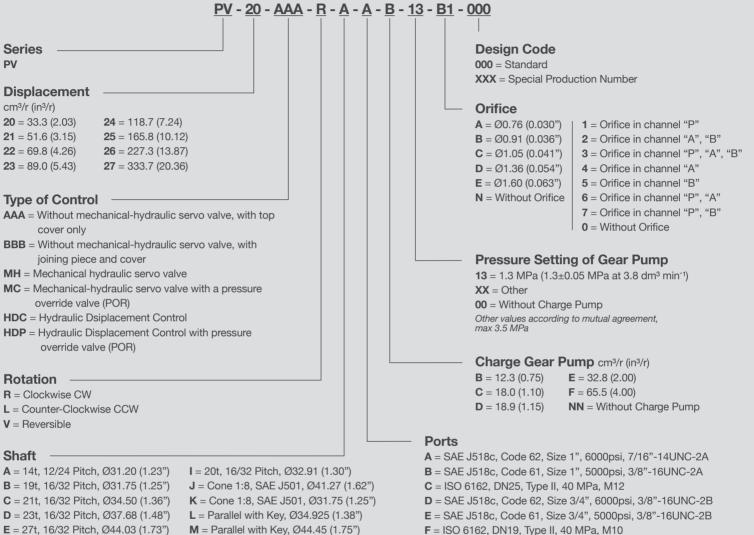
Our 20 series aftermarket replacement pumps and motors are engineered for quality, durability and versatility. Components used are designed for high efficiency. For example, components such as tapered roller bearings are utilized, which offer a high loading capacity for external radial forces. Our lineup of aftermarket 20 series consists of variable displacement pumps and fixed displacement motors in multiple displacements, and replacement parts. Our units are easily serviceable and most all components are replaceable and stocked by Hydraulex Global. These units and parts are fit, form and function replacements for Sauer-Sundstrand<sup>®</sup> 20 series components.

- · Suitable for a variety of applications
- Multiple displacements and options available
- 8 different frame sizes
- · Engineered to provide a long service life and reliability
- Fixed displacement motor can be operated in either direction of rotation
- Multiple drive shaft options and control options
- · Heavy duty bearings and shafts
- Easily serviceable
- Replacement parts also available
- Direct replacements for Sauer-Sundstrand<sup>®</sup> 20 series



## **Variable Displacement Pumps**

### Model Code Breakdown



- **E** = 27t, 16/32 Pitch, Ø44.03 (1.73") **F** = 40t, 16/32 Pitch, Ø64.66 (2.55")
- **G** = 13t, 8/16 Pitch, Ø43.71 (1.72")

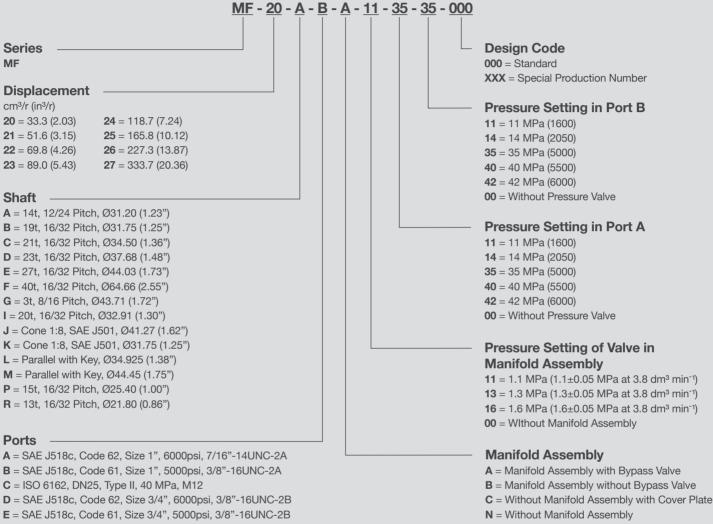
**PV Series Piston Pumps** 

- **P** = 15t, 16/32 Pitch, Ø25.40 (1.00")
- R = 13t, 16/32 Pitch, Ø21.80 (0.86")
  - Pump Displacement **RPM** Max Torque\* (KG·M<sup>2</sup>·10<sup>-3</sup> / LBF·FT<sup>2</sup>·10<sup>-3</sup> Series (in<sup>3</sup> / cm<sup>3</sup>) (Min. / Max.) PV-20 2.03 / 33.3 500 / 3800 4.34 / 103.0 8.14 / 193.2 PV-21 500 / 3500 3.15 / 51.6 PV-22 4.26 / 69.8 500 / 3200 12.34 / 292.8 **PV-23** 5.43 / 89.0 500 / 2900 17.77 / 421.7 PV-24 7.24 / 118.7 500 / 2700 29.11 / 690.8 **PV-25** 10.12 / 165.8 500 / 2400 50.19 / 1191.0 PV-26 13.87 / 227.3 500 / 2100 86.80 / 2059.8 20.36 / 333.7 500 / 1900 161.40 / 3830.0 PV-27

\* Without Charge Pump

### **Fixed Displacement Motors**

### Model Code Breakdown



**F** = ISO 6162, DN19, Type II, 40 MPa, M10

**MF Series Piston Motors** 



Pump Series	Displacement (in <sup>3</sup> / cm <sup>3</sup> )	RPM (Min. / Max.)	Max Torque (KG·M²·10 <sup>-3</sup> / LBF·FT²·10 <sup>-3</sup> )
MF-20	2.03 / 33.3	500 / 3800	4.34 / 103.0
MF-21	3.15 / 51.6	500 / 3500	8.14 / 193.2
MF-22	4.26 / 69.8	500 / 3200	12.34 / 292.8
MF-23	5.43 / 89.0	500 / 2900	17.77 / 421.7
MF-24	7.24 / 118.7	500 / 2700	29.11 / 690.8
MF-25	10.12 / 165.8	500 / 2400	50.19 / 1191.0
MF-26	13.87 / 227.3	500 / 2100	86.80 / 2059.8
MF-27	20.36 / 333.7	500 / 1900	161.40 / 3830.0



#### Products We Offer

#### Inline Piston Pumps

- Radial Piston Pumps & Motors
- Bent Axis Piston Pumps & Motors
- Fixed Volume Vane Pumps
- Variable Volume Vane Pumps
- Gear Pumps
- Vane Motors

- Axial Piston Motors
- High Speed Motors
- Servo Motors
- Orbital Motors

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- Directional Valves
- Flow Control Valves
- Pressure Control Valves

- Relief Valves
- Check Valves
- Stack Valves
- Servo Valves
- Proportional Valves
- PTOs (Power Take-offs)
- Cylinders









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