

MATERIALS OF CONSTRUCTION Models: MAGNES SERIES - MS3

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NOTE: Temperature and viscosity ratings given below apply to individual components **Only.** For actual maximum temperatures and viscosities for the rated pump, see **"Operating Limits"** on backside.

·		of the fated pump, see Operating Limits	
PART NAME		STANDARD MATERIALS	AVAILABLE OPTIONS
Heads		17-4 PH Stainless Steel	
Cylinder		316 Stainless Steel	
Driven Hub (Wetted)		17-4 PH Stainless Steel	
Driving Hub		Ductile Iron, ASTM A536	
Bearing Cover		304 Stainless Steel	
Sleeve Bearings		Metal Impregnated Graphite	
Rotor & Shaft Rotor		17-4 PH Stainless Steel (Thrust Bushing Pads: Carbon)	
Shaft		17-4 PH Stainless Steel (Fused Nicke- Based Alloy Coating)	
Bearing Housing		Cast Iron, ASTM A48	
Relief Valve Spring		Stainless Steel	
R/V Spring Ranges		51-110 psi	111-150 psi 151-200 psi
O-Rings / Seal Rings		FKM	PTFE PTFE
Capscrews		316 Stainless Steel (Wetted)	
Vanes		Duravane - Full Size with 316 Stainless Steel wear plate to 240°F (115°C)	Laminate – Stainless Steel Wear Plane
Relief Valve		316 Stainless Steel, PTFE coated	
Push Rods		Nitronic "60" [®] Chrome Plated	
Magnet Housing		Cast Iron	
Magnet Assembly	Inner Magnet	Neodymium Iron Boron	
	Outer Magnet	Neodymium Iron Boron	
Containment Can		PEEK Composite	
Hub Sleeve		316 Stainless Steel	
Driven Key (Wetted)		17-4 PH Stainless Steel	
Gage Ports		1/4" NPT	

Centipoise (cP) = centistokes (cSt) at fluid specific gravity of 1.0.

[®]Nitronic "60" is a trademark of Armco Steel, Inc.

PIPE COMPANION FLANGES

PUMP SIZE	STANDARD ¹	OPTIONAL
MS3	3 ,	3" Stainless Steel (CF8M) ANSI 150 lb Compatible RF Flanges

OPERATING LIMITS

	STANDARD MATERIALS	OPTIONAL MATERIALS
Maximum Temperature	-30°F (-34°C) to 250°F (121°C)	Consult Factory for higher temperature ratings.
Maximum Viscosity	2200 Cp	Some viscosities may have differential pressure limits; consult performance curves for limits. Consult Factory for higher viscosity ratings.
Maximum Pump Speed	640 rpm	
Maximum Differential Pressure	200 psi	Differential pressure may be limited for certain viscosities; consult performance curves for limits.
Maximum Working Pressure	225 psi	

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