



MATERIALS OF CONSTRUCTION

Micro-C Models:
MC125, MC250, MC500

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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.

PART NAME	STANDARD MATERIALS	AVAILABLE OPTIONS
Inlet Tube (#100)	316L Stainless Steel (low carbon)	
Cylinder (#201)	316L Stainless Steel (low carbon)	
Disc (#301)	Acteon (A494/A494M)	
Disc Nut (#309)	316Ti Stainless Steel (Titanium Alloy)	
Outlet Cover (#400)	316L Stainless Steel (low carbon)	
Bolts (#415)	304L Stainless Steel (low carbon)	
NEMA H Adaptor Flange (#781)	Cast Iron	
Screws (#782)	Steel	
Transmission Assembly (#596)		
Bearings	Ball / Roller / Needle	
Bellows Assembly	316Ti & 316 L Stainless Fabrication	
Housing (#780)	Cast Iron	
Screws (#144)	Steel	
Paint	Epoxy – light grey	
Transmission Lubricant	Greased for life bearings	
Seal Rings	Fluorocarbon (FKM) O-Rings	PTFE Encapsulated O-rings

PORTS

PUMP SIZE	STANDARD	AVAILABLE OPTIONS
MC125	½" NPT	DIN, Clamp
MC250	½" NPT	DIN, Clamp
MC500	½" NPT	DIN, Clamp

OPERATING LIMITS

Maximum Temperature	100°C (212°F)
Minimum Temperature	-15°C (5°F)
Maximum Viscosity	
MC125	1,000 cSt (4,800 SSU) @ 100 rpm maximum
MC250	1,000 cSt (4,800 SSU) @ 105 rpm maximum
MC500	1,000 cSt (4,800 SSU) @ 115 rpm maximum
Maximum Working Pressure	
MC125	15 bar (217.5 psi)
MC250	10 bar (145 psi)
MC500	5 bar (72.5 psi)
Maximum Inlet Pressure	1 bar (14.5 psig) or 2 bar absolute (29 psia)

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