



MATERIALS OF CONSTRUCTION
Models: C4-A, C8-A, C12-A, C18-A
Ductile Iron Eccentric Disc Pumps

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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
Cover Plate (#401)	Ductile Iron	
Inlet Tube (#101)	Ductile Iron	Jacketed – Ductile Iron
Bolts (#106 & #111)	Steel	
Foot Bracket (C12A & C18A)	304 Stainless Steel	
Filler Plug (#715)	Plastic Breather	
Drain Plug (#773)	Steel with Copper Washer	
Cylinder (#201)	Ductile Iron	
Disc (#301)	Ductile Iron	
Disc Nut (#304)	316Ti Stainless Steel (Titanium Alloy)	
Transmission Assembly (#596)		
Bearings	Ball / Roller / Needle	HT models – Consult Factory
Bellows Assembly	316Ti & 316 L Stainless Fabrication	
Housing	Cast Iron	
Bearing Cover	Steel	
Cover Lip Seal	Fluorocarbon (FKM)	
Paint	Blue or Hammered Grey	
Transmission Lubricant	Castor Oil (240 cSt @ 40°C) – Special – Consult Factory	HT models – Consult Factory Synthetic Oil – Elf Syntherma
Seal Rings	Fluorocarbon (FKM) O-Rings	PTFE Encapsulated O-rings

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

PIPE COMPANION FLANGES

PUMP SIZE	STANDARD
C4-A, C8-A	2" ANSI Compatible Raised Face
C12-A, C18-A	2.5" ANSI Compatible Raised Face

OPERATING LIMITS

Maximum Temperature	80°C (176°F) - Optional HT models: 150°C (302°F) – Consult Factory
Maximum Viscosity	3,000 cSt (14,000 SSU) Consult Factory for Higher Viscosities.
Maximum Working Pressure	
C4-A, C12-A	9 bar (130 psi)
C8-A	5 bar (72.5 psi)
C18-A	6 bar (87 psi)
Maximum Inlet Pressure	1 bar (14.5 psig) or 2 bar absolute (29 psia)