CHEMSTEEL™ PUMP SERIES S207 METALLIC

CHEMSTEEL™ PUMP

CHEMSTEEL PUMPS SERIES S207 M



FEATURES

Gear/bearing design allows for "trimming" for optimizing the pump's maximum flow to reach minimum turndown or to match flow to a specific OEM's requirement.

Special materials combinations are available for specific liquids:

- Stainless or Alloy C housing construction.
- Gears available in 316 stainless, W88 stainless and Alloy C. Also in Polytetrafluoroethylene, polyphenylenesulfide and polyetheretherketone.
- Shafts are 316 stainless steel or Alloy C.
- Bearings available in carbon or Polytetrafluoroethylene.
- Full range of seal options including lip seal, packing and mechanical designs.

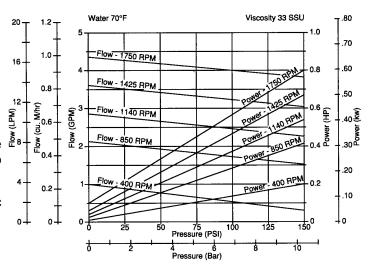
DRIVE

The pump is driven directly from the electric motor shaft by means of a flexible coupling. A close-coupled adapter connects the pump to the motor.

LIQUIDS AND TEMPERATURE

This pump is suitable to handle clear lubricating and non-lubricating fluids at temperatures to 450F. These pumps will handle viscous fluids to 100,000 cps (462,000 SSU) at reduced shaft speeds.

PERFORMANCE



SUCTION LIFT

This pump has a suction lift capability of 20 feet for a new pump. Though gear pumps are self-priming, a foot valve is recommended. If possible, wet gears with the liquid to be pumped for the first dry start. Liquid retained in the system and gear chambers serves to wet the pump on subsequent starts.

EXPLODED VIEW AND PARTS LIST

Chemsteel™ S(M)207, S(M)210 & S(M)214 Metallic 11 11 11 Shaft Seal Code "L" Two Lip Seals 17 Shaft Seal Codes "R", "S" & "T" Packing with Lantern Ring 16 17 3a Shaft Seal Codes "N", "P" & "Q" Packing 3b 16 Shaft Seal Codes "H" & "G" **Double Mechanical Seals** 18 15 19 Shaft Seal Codes "A", "B", "C", "D", "F" & "J" Single Mechanical Seals 11 39 Item 36 shown at high pressure port (Standard) 14 20N 1 for CCW lead end rotation motors and thin fluids 22 7 36 9 30d 30c 23 Common Parts 30a 28 **Magnetically Driven** with No Shaft Seal (New Style) Item # with N suffix indicates it is a New Part Number

CHEMkit Parts

No.	Part No.	Part Name	Req.																					
				•			GEAR CODE								l									
							1	2	3	4	5	6	7	8	9	Α	В	С	E	F	1		1	
6	8994-01A	Drive Gear-Ryton PPS	1																		1		ı	
6	9685-01A	Drive Gear-316 SS	1																		1		ı	
6	9395-01A	Drive Gear-PEEK	1																		1		ı	
6	8886-01A	Drive Gear-Alloy C	1																	, ,	1		ı	
6	7594-01A	Drive Gear-W 88	1																		1		ı	
6	8887-01A	Drive Gear-Teflon	-1																1		1		ı	
7	8994-02A	Idle Gear- Ryton PPS	1																		1		ı	
7	9685-02A	Idle Gear-316 SS	-1																		1		ı	
7	9395-02A	Idle Gear-PEEK	-1																		1		ı	
7	8886-02A	Idle Gear-Alloy C	1																		1		ı	
7	7594-02A	Idle Gear-W 88	1																		1		1	
7	8887-02A	Idle Gear-Teflon	1																		1		ı	
										_													ı	
					BEARING	3	1																ı	
1				l	CODE	-	ı																1	
				С	P	1.1	1																ı	
2	7521TC-A	Bearing, Carbon Graphite	4	Ů	<u> </u>	Ť	1																ı	
2	8995TC-A	Bearing, Carbon Graphite Bearing, Teflon	4				1																ı	
2	8693TC-A	Bearing, Rulon	4	_																			1	
23	5024-01	5th Bearing, Carbon Graphite	1																				ı	
23	2063	5th Bearing , Rulon	1																				1	
23	2003	joth Bearing , Rulon	1																				1	
r.							_						_										⊢	
ſ														EAL (MAG (CODE's
							A	В	С	D	F	G					N	P	Q	R	S	Т	MAG C	CODE's
1	9355-037	O-Ring, Body -Teflon Encapsulating Silicone	2				Α	В	С	D	F	G					N	Р	Q	R	S	Т		
1 3	32335	Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez	2				A	В	С	D	F	G					N	Р	Q	R	S	Т		
		Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez					A	В	С	D	F	G					N	P	Q	R	S	Т		
3	32335	Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez	1				A	В	С	D	F	G					N	P	Q	R	S	T		
3	32335 32536	Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carb/SilCarb/TFE/Kalrez	1				A	В	С	D	F	G					N	P	Q	R	S	T		
3 3 3	32335 32536 33069	Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carb/SilCarb/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez	1 1				A	В	С	D	F	G					N	P	Q	R	S	Т		
3 3 3 3	32335 32536 33069 33070	Singie Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Singie Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Singie Mech. Stainless Wedge Carb/SiCarb/TFE/Kalrez Singie Mech. Alloy C Wedge Carb/SiCarb/TFE/Kalrez Singie Mech. Alloy C Wedge Carb/SiCarb/TFE/Kalrez Singie Mechanical Bellows Carb/Ceramic/Yton/Viton	1 1 1				A	В	С	D	F	G					N	P	Q	R	S	Т		
3 3 3 3 3	32335 32536 33069 33070 32772	Single Mech. Stainless Wedge Carh/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez Single Mech. Stainless Wedge Carb/SilCarb/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez Single Mechanica Bellows Carb/Ceramic/Yhon/Yiton Single Mechanica Bellows SilCarb/SilCarb/TE/DM/EPOM Double Mechanical Wedge Carb/SilCarb/TFE/Kalrez	1 1 1 1 1				A	В	С	D	F	G					N	P	Q	R	S	Т		
3 3 3 3 3 3	32335 32536 33069 33070 32772 33079	Singie Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Singie Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Singie Mech. Stainless Wedge Carb/SiCarb/TFE/Kalrez Singie Mech. Alloy C Wedge Carb/SiCarb/TFE/Kalrez Singie Mech. Alloy C Wedge Carb/SiCarb/TFE/Kalrez Singie Mechanical Bellows Carb/Ceramic/Yton/Viton	1 1 1 1 1				A	В	С	D	F	G					N	P	Q	R	S	T		
3 3 3 3 3 3 3	32335 32536 33069 33070 32772 33079 33076	Single Mech. Stainless Wedge Carh/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez Single Mech. Stainless Wedge Carb/SilCarb/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez Single Mechanica Bellows Carb/Ceramic/Yhon/Yiton Single Mechanica Bellows SilCarb/SilCarb/TE/DM/EPOM Double Mechanical Wedge Carb/SilCarb/TFE/Kalrez	1 1 1 1 1				A	В	C	D	F	G					N	P	Q	R	S	T		
3 3 3 3 3 3 3 3	32335 32536 33069 33070 32772 33079 33076 33079 33107	Single Mech. Stainless Wedge Carh/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez Single Mechanica Bellows SinCeramic/Mon/Viton Single Mechanica Bellows SilCarb/SilCarb/EPDM/EPDM Double Mechanical Wedge Carb/SilCarb/TFE/Kalrez Double Mechanical Wedge Carb/SilCarb/TFE/Kalrez Double Mechanical Bellows Carb/Ceramic/Viton/Viton Single Mechanical Bellows SilCarb/SilCarb/Viton/Viton	1 1 1 1 1 1 1 1				A	В	С	D	F	G					N N	P	Q	R	S	T		
3 3 3 3 3 3 3 3 3	32335 32536 33069 33070 32772 33079 33076 33079 33107 7558	Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carti/Silcarti/TFE/Kalrez Single Mech. Stainless Wedge Carti/Silcarti/TFE/Kalrez Single Mechanical Bellows Carti/Silcarti/TFE/Kalrez Single Mechanical Bellows Carti/Ceramic/Viton/Viton Single Mechanical Bellows Carti-Silcarti/FE/Kalrez Double Mechanical Bellows Silcarti/Silcarti/TFE/Kalrez Double Mechanical Bellows Silcarti/Silcarti/Viton/Viton Single Mechanical Bellows Silcarti/Silcarti/Viton/Viton Packing Ring, Felton with Grapher	1 1 1 1 1				A	В	C	D	F	G					N 7	P	Q	R 4	S	T		
3 3 3 3 3 3 3 3 3 3	32335 32536 33069 33070 32772 33079 33076 33079 33107 7558 8523	Single Mech. Stainless Wedge Carh/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Cart/Scramic/TFE/Kairez Single Mech. Alloy C Wedge Cart/Sicario/TFE/Kairez Single Mech. Alloy C Wedge Cart/SiCart/TFE/Kairez Single Mech. Alloy C Wedge Cart/SiCart/TFE/Kairez Single Mech. Alloy C Wedge Cart/SiCart/TFE/Kairez Single Mechanical Bellows SiCart/SiCart/TFE/Kairez Double Mechanical Wedge Cart/SiCart/TFE/Kairez Double Mechanical Wedge Cart/SiCa	1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4				A	В	C	D	F	G					N 7	P 6	Q	R A	\$ 	T		
3 3 3 3 3 3 3 3 3 4 4	32335 32536 33069 33070 32772 33079 33076 33079 33107 7558	Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carti/Silcarti/TFE/Kalrez Single Mech. Stainless Wedge Carti/Silcarti/TFE/Kalrez Single Mechanical Bellows Carti/Ceramic/Viton/Viton Single Mechanical Bellows Carti/Ceramic/Viton/Viton Double Mechanical Bellows Silcarti/Silcarti/TFE/Kalrez Double Mechanical Bellows Silcarti/Silcarti/TFE/Kalrez Double Mechanical Bellows Silcarti/Silcarti/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoil	1 1 1 1 1 1 1 1 1 7 or 4				A	В	C	D	F	G					N 7	P 6	Q	R A	4	T 4		
3 3 3 3 3 3 3 3 3 4 4 4 4 5	32335 32536 33069 33070 32772 33079 33076 33079 33107 7558 8523 2496 2749	Single Mech. Stainless Wedge CartiCeramic/TFE/Kairez Single Mech. Alloy C Wedge CartiCeramic/TFE/Kairez Single Mech. Alloy C Wedge CartiSceramic/TFE/Kairez Single Mech. Alloy C Wedge CartiScilach/TFE/Kairez Single Mech. Alloy C Wedge CartiScilach/TFE/Kairez Single Mechanical Bellows CartiScilach/TFE/Kairez Single Mechanical Bellows SiliCartiScilach/TFE/Micro Double Mechanical Wedge CartiScilach/TFE/Kairez Double Mechanical Wedge CartiScilach/TFE/Kairez Double Mechanical Wedge CartiScilach/SilicatiViton/Viton Single Mechanical Bellows SiliCartiScilach/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoli Packing Ring, Teflon Lip Seal	1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4 7 or 4				A	В	C	D	F	G					7	P 6	Q 7	R 4	8	4		
3 3 3 3 3 3 3 3 3 4 4 4 4 5 8	32335 32536 33069 33070 32772 33079 33076 33079 33107 7558 8523 2496 2749 3081	Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kairez Single Mech. Stainless Wedge Carti/SiCarti/TFE/Kairez Single Mech. Stainless Wedge Carti/SiCarti/TFE/Kairez Single Mechanical Bellows Carti/Ceramic/Viton/Viton Single Mechanical Bellows Carti/Ceramic/Viton/Viton Double Mechanical Bellows SiCarti/SiCarti/TFE/Kairez Double Mechanical Bellows SiCarti/SiCarti/TFE/Kairez Double Mechanical Bellows SiCarti/SiCarti/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Teflon with Graphite Packing Ring, Teflon Lip Seal Drive Shaft - Single Mechanical Seals (Stainless)	1 1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4 7 or 4 2				A	В	С	D	F	G					N 7	P 6	Q 7	4	4	4		
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3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8	32335 32536 33069 33079 33077 33079 33079 33079 33079 33107 7558 8523 2496 2749 3081 3082	Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carti/Silcarti/TE/Kalrez Single Mech. Stainless Wedge Carti/Silcarti/TE/Kalrez Single Mech. Alloy C Wedge Carti/Silcarti/TE/Kalrez Single Mechanical Bellows Carti/Ceramic/Viton/Viton Single Mechanical Bellows Carti/Ceramic/Viton/Viton Double Mechanical Bellows Silcarti/Silcarti/TE/Kalrez Double Mechanical Bellows Silcarti/Silcarti/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Teflon with Graphite Packing Ring, Teflon Lip Seal Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Alloy C)	1 1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4 7 or 4 2				A	В	С	D	F	G					7	P 6	7	4	4	4		
3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 8 8 8	32335 32536 33069 33070 22772 33079 33107 33079 33107 7558 8523 2496 2749 3081 3082 3083	Single Mech. Stainless Wedge CartiCeramic/TFE/Kairez Single Mech. Alloy C Wedge CartiCeramic/TFE/Kairez Single Mech. Alloy C Wedge CartiCeramic/TFE/Kairez Single Mech. Alloy C Wedge CartiScilicath/TFE/Kairez Single Mech. Alloy C Wedge CartiScilicath/TFE/Kairez Single Mechanical Bellows CartiScilicath/TFE/Kairez Single Mechanical Bellows Sicath/Sicath/FE/Kairez Double Mechanical Wedge CartiScilicath/FE/Micro Double Mechanical Wedge CartiScilicath/TFE/Kairez Double Mechanical Wedge CartiScilicath/Sicath/Viton/Viton Single Mechanical Bellows Sicath/Sicath/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoil Packing Ring, Grafoil Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft (Stainless)	1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4 7 or 4 2 2 1 1				A	В	C	D	F	G					7	P 6	Q 7	4	4	4		
3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8 8	32335 32536 33069 33070 32772 33076 33076 33076 7558 8523 2496 2749 3082 3082 3083	Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kairez Single Mech. Stainless Wedge Carti/Silcart/TFE/Kairez Single Mech. Stainless Wedge Carti/Silcart/TFE/Kairez Single Mech. Alloy C Wedge Carti/Silcart/TFE/Kairez Single Mechanical Beliows Carti/Ceramic/Viton/Viton Single Mechanical Beliows Carti/Ceramic/Viton/Viton Double Mechanical Beliows Silcarti/Silcart/TFE/Kairez Double Mechanical Beliows Silcarti/Silcarti/TFE/Kairez Double Mechanical Beliows Silcarti/Silcarti/Viton/Viton Packing Ring, Tefon with Graphite Packing Ring, Tefon with Graphite Packing Ring, Tefon Lip Seal Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft (Stainless) Drive Shaft (Stainless)	1 1 1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4 7 or 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A	В	C	D	F	G					7	6 6	7	R 4	4	4		
3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8 8 8	32335 32536 33069 33070 32772 33079 33079 33079 33077 7558 8523 2496 2749 3081 3082 3083 3084 3087	Single Mech. Stainless Wedge Cartic/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Cartic/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Cartic/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Cartic/Silcartif-TE/Kairez Single Mech. Alloy C Wedge Cartic/Silcartif-TE/Kairez Single Mechanical Bellows Cartic/Ceramic/Viton/Viton Single Mechanical Bellows Silcartic/Silcartif-TE/Kairez Double Mechanical Wedge Cartic/Silcartif-TE/Kairez Double Mechanical Wedge Cartic/Silcartif-TE/Kairez Double Mechanical Wedge Cartic/Silcartif-Viton/Viton Single Mechanical Bellows Silcartic/Silcartif-Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoil Packing Ring, Grafoil Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft - Mig (Stainless) Drive Shaft - Mag (Alloy C)	1 1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4 7 or 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A	В	C	D	F	G					7	P 6	7	4	4	4		
3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 5 8 8 8 8	32335 32536 33069 33070 32777 33079 33076 33079 7558 8523 2496 2749 3081 3082 3083 3084 3084 3087 3088	Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carti/SilCarti/TFE/Kalrez Single Mech. Alloy C Wedge Carti/SilCarti/TFE/Kalrez Single Mechanical Bellows Carti/Ceramic/Viton/Viton Single Mechanical Bellows Carti/Ceramic/Viton/Viton Double Mechanical Bellows SilCarti/SilCarti/TFE/Kalrez Double Mechanical Bellows SilCarti/SilCarti/TFE/Kalrez Double Mechanical Bellows SilCarti/SilCarti/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Teflon with Graphite Packing Ring, Teflon Lip Seal Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft (Kalio) C) Drive Shaft - Mag (Stainless) Drive Shaft - Mag (Stainless) Drive Shaft - Mag (Stainless)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 7 or 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A	В	C	D	F	G					7	P 6	7	4	4	4		
3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8 8 8 8 9	32335 32536 33069 33070 32772 33079 33079 33079 33079 7558 8523 2496 2749 3081 3082 3083 3084 3087 3088	Single Mech. Stainless Wedge Cartic/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Cartic/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Cartic/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Cartic/Silcart/TFE/Kairez Single Mech. Alloy C Wedge Cartic/Silcart/TFE/Kairez Single Mechanical Bellows Cartic/Ceramic/Viton/Vion Single Mechanical Bellows Cartic/Ceramic/Viton/Vion Single Mechanical Bellows Cartic/Ceramic/Viton/Vion Single Mechanical Bellows Cartic/Ceramic/Viton/Viton Single Mechanical Bellows Silcart/Silcart/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoil Packing Ring, Grafoil Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft - Mag (Alloy C) Idle Shaft (Stainless) Drive Shaft (Stainless) Idle Shaft (Stainless)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A	В	C	D	F	G					7 - 7	P 6	7	4	4	4		
3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 5 8 8 8 8	32335 32536 33069 33070 32777 33079 33076 33079 7558 8523 2496 2749 3081 3082 3083 3084 3084 3087 3088	Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carti/SilCarti/TFE/Kalrez Single Mech. Alloy C Wedge Carti/SilCarti/TFE/Kalrez Single Mechanical Bellows Carti/Ceramic/Viton/Viton Single Mechanical Bellows Carti/Ceramic/Viton/Viton Double Mechanical Bellows SilCarti/SilCarti/TFE/Kalrez Double Mechanical Bellows SilCarti/SilCarti/TFE/Kalrez Double Mechanical Bellows SilCarti/SilCarti/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Teflon with Graphite Packing Ring, Teflon Lip Seal Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft (Kalio) C) Drive Shaft - Mag (Stainless) Drive Shaft - Mag (Stainless) Drive Shaft - Mag (Stainless)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 7 or 4 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A	B	C	5	F	G					7 7	6 4 4 4	7	4 4	4	4		

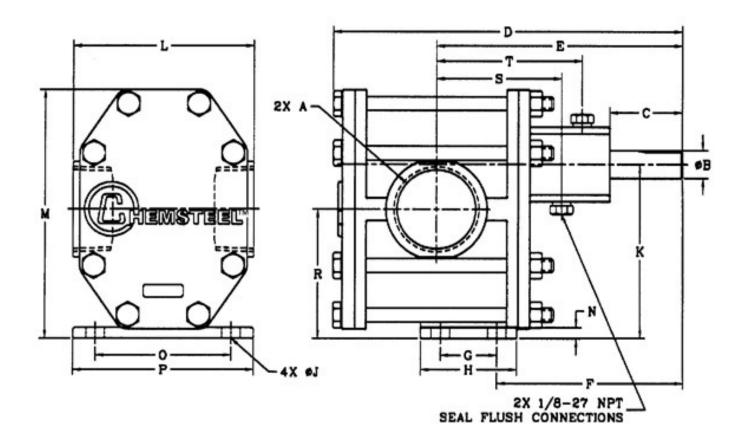
Other Parts

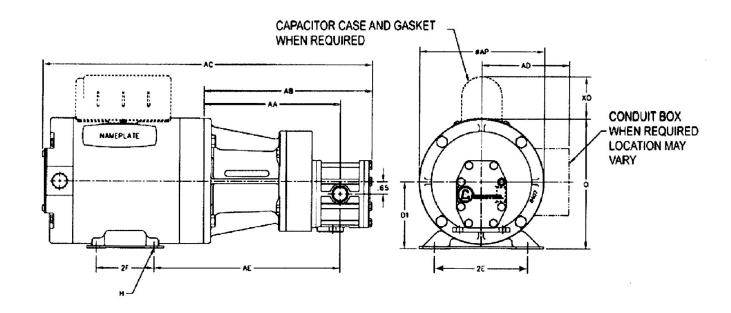
							SEAL CODE's													MAG CODE's		
					Α	В	С	D	F	G	Н	J	Z	L	N	P	Q	R	S	Т	М	W
14	7532S-3	Body with 1/2" NPT Ports (Stainless)	1																			
14	7532H-3	Body with 1/2" NPT Ports (Alloy C)	1																			
15	7535S-1	Rear Cover (Stainless)	-1																			
15	7535H-1	Rear Cover (Alloy C)	1																			
16	7534S-3	Front Cover, Single/ Double Mechanical (Stainless)	1																			
16	7534H-3	Front Cover, Single/ Double Mechanical (Alloy C)	1																			
16	8906S-5	Front Cover, Lip (Stainless)	1																			
16	8906S-1	Front Cover, Packing (Stainless)	1																			
16	8906H-1	Front Cover, Packing (Alloy C)	1																			
16	8906S-3	Front Cover, Lantern Packing (Stainless)	1																			
16	8906H-3	Front Cover, Lantern Packing (Alloy C)	1																			
17	7552	Pack Nut (Stainless)	1																			
17	8905	Pack Nut (Alloy C)	1																			$\overline{}$
18	9365-090	Hex Head Cap Screws	8																			
18	9365-076	Hex Head Cap Screws (Mag)	8														1			1		
19	9367	Hex Nuts	8																			
40	9793	Dowel Pin	2																			
21	6600-01	Hex Head Pipe Plug (Stainless)	2																			
21	6600-02	Hex Head Pipe Plug (Alloy C)	2																			
25	5390-01	Grease Lubrication Fitting	1																			
38	2696	Starter Ring	1																			
37	2672	Lantern Ring	1																			$\overline{}$
22	2919-01	Allen Head Pipe Plug (Stainless)	2																			
22	2919-02	Allen Head Pipe Plug (Alloy C)	2																			
20	2489S-2	Pump Adapter (Stainless)	1																			
20	2489H-2	Pump Adapter (Alloy C)	1																			
26	2099-B	Bell Housing	1																			
27	9355-038	O-Ring, Containment Can -Teflon Encapsulating Silicone	1																			
28	2479-016	Socket Head Cap Screws (Can Flange)	6																			
29	2484-020	Hex Head Cap Screws (Bell/Pump Adapter)	4																			
30 a b c d	2023-8NS	Magnet Kit, Neo (Stainless)	1																			
30 a b c d	2023-8NH	Magnet Kit, Neo (Alloy C)	1																			
30a b c d	2023-8SS	Magnet Kit, Sam C (Stainless)	1																			
30a b c d	2023-8SH	Magnet Kit, Sam C (Alloy C)	1																			
36	2919H-015	0.015" Orifice Plug	1																			

31,32,33,34,35	catalog	Mag - Power End Kit (motor hub, adapters, hardware)
	2464	Optional Mag Foot Kit (not shown)
	catalog	Sealed - Close Coupled Adapter Kit (not shown- faceplate, motor adapter, couplings, hardware)
	catalog	Sealed- Long Mount Bedplate Kits (not shown - base, shims, couplings, coupling guard, hardware)
	catalog	Motors (not shown)
	catalog	Proceure Policy Valve (not shown)

Series	Model	Repair Kit
S207 M	S20739CD-F81	S20739CD-F81K
	S20738CC	S20738CCK
	S20735CD-C1	S20735CD-C1K
	S20735CD	S20735CDK
	S20734PF	S20734PFK
	S20734CD-C1	S20734CD-C1K
	S20734CD	S20734CDK
	S20731CP-X1	S20731CP-X1K
	S20731CP-3	S20731CP-3K
	S20731CP	S20731CPK
	S20731CN	S20731CNK
	S20731CD-E	S20731CD-EK
	S20731CD-3	S20731CD-3K
	S20731CD	S20731CDK
	S2071FPQ	S2071FPQK
	S2071FPN	S2071FPNK
	S2071FPJ	S2071FPJK
	S2071FPC-C1	S2071FPC-C1K
	S2071FPC	S2071FPCK
	S2071FPB-J98	S2071FPB-J98K
	S2071FPB-C2	S2071FPB-C2K
	S2071FPB	S2071FPBK
	S2071FPA-C2	S2071FPA-C2K
	S2071FPA-C1	S2071FPA-C1K
	S2071FPA	S2071FPAK
	S2071FJJ	S2071FJJK
	S2071FJA	S2071FJAK
	S2071FCQ	S2071FCQK
	S2071FCN	S2071FCNK
	S2071FCC	S2071FCCK
	S2071FCB-C4	S2071FCB-C4K
	S2071FCB-C3	S2071FCB-C3K
	S2071FCB-C1	S2071FCB-C1K
	S2071FCB	S2071FCBK
	S2071FCA-C1	S2071FCA-C1K
	S2071FCA	S2071FCAK
	S2071EPZ	S2071EPZK
	S2071ECQ	S2071ECQK
	S2071ECJ	S2071ECJK
	S2071ECB-E	S2071ECB-EK
	S2071ECB-C5	S2071ECB-C5K

DIMENSIONS





MAINTENANCE

A three-part housing provides easy disassembly and service. Full size bearings match the gear diameter, and eliminate the need for separate wear plates. TFE encapsulating silicone o-ring pump housing seals provide elastic memory to assure an effective long lasting seal and thus avoiding the re-torqueing required of pumps using pure TFE. The upper shaft configuration lends itself to inline pump seal maintenance without the leakage of trapped chemicals from an incompletely drained pump. To order a CHEMKIT™ parts kit, simply add a "K" to the end of the model number. A repair kit contains the following parts: seals, bearings, gears, o-rings, shafts, keys, c clips, and retaining ring.

LIFE CYCLE/COST OF OWNERSHIP

Pump design and materials selection, together provide the longest life available from a gear pump. Key attributes include:

- Gear & bearing combinations of metallic and nonmetallic wear surfaces.
- Slotted bearings to lubricate shaft and gear surfaces.
- Hydraulic porting to balance axial thrust and to reduce wear.
- Ample port sizing to reduce the likelihood of cavitation when inlet pressure is marginal.
- Effective housing seals with elastic memory prevent leakage of corrosives.

FIT

Connections are 1/2" female NPT or BSPT, pump hardware is metric and close couple adapters mount to both NEMA and IEC standard motor frame sizes for worldwide acceptance. "Near" dimensional interchangeability offers easy upgrade to CHEMSTEEL™ pump. The port size is the same as competitive pumps.