CHEMSTEEL™ PUMP SERIES S210 METALLIC

CHEMSTEEL™ PUMP

CHEMSTEEL PUMPS SERIES S210 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.

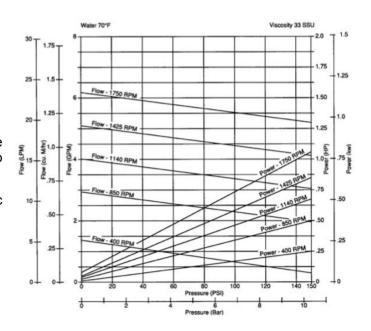
DRIVE

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)203, S(M)204, S(M)205, S(M)207, S(M)210 & S(M)214 Ryton

Shaft Seal Code ""L" Two Lip Seals

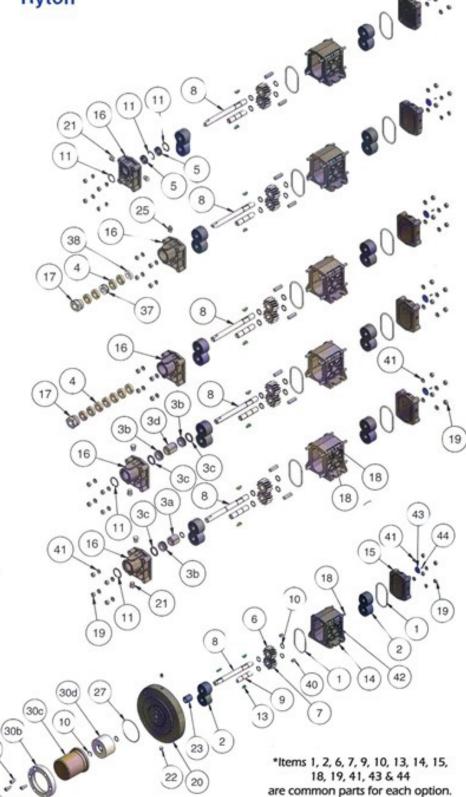
Shaft Seal Codes ""R", "S" & "T" Packing with Lantern Ring

Shaft Seal Codes ""N", "P" & "Q" Packing

Shaft Seal Codes ""H" & "G" Double Mechanical Seals

Shaft Seal Code "A", "B", "C", "D", "F" & "J" Single Mechanical Seals

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CHEMkit Parts

No.	Part No.	Part Name	Req.																	\neg	1	
		•		•						G	EAR	COD	E							T	1	
					1	2	3	4	5	6	7	8	9	Α	В	С	Е	F			1	
6	2344-01A	Drive Gear-Ryton PPS	1																		1	
6	2341-01A	Drive Gear-316 SS	1																		1	
6	2346-01A	Drive Gear-PEEK	1					1													1	
6	2342-01A	Drive Gear-Alloy C	1															,			ı	
6	2343-01A	Drive Gear-W 88	1																		ı	
6	2345-01A	Drive Gear-Teflon	1									-					9				ı	
7	2344-02A	Idle Gear- Ryton PPS	1																		ı	
7	2341-02A	Idle Gear-316 SS	1																		ı	
7	2346-02A	Idle Gear-PEEK	1																		ı	
7	2342-02A	Idle Gear-Alloy C	1																		ı	
7	2343-02A	Idle Gear-W 88	1																		1	
7	2345-02A	Idle Gear-Teflon	1																		ı	
					_																1	
1				BEARING	1																1	
				CODE	ı																ı	
				C P J]																ı	
2	2779TC-A	Bearing, Carbon Graphite	4]																1	
2	2780TC-A	Bearing, Teflon	4]																ı	
2	2209TC-A	Bearing, Rulon	4																		ı	
23	5024-01	5th Bearing, Carbon Graphite	1]																ı	
23	2063	5th Bearing , Rulon	1																	1		
23	2063	5th Bearing , Rulon	1																			
23	2063	5th Bearing , Rulon	1								SI	FAL C	ODF	's						\dashv	MAG	CODE's
23	2063	Sth Bearing , Rulon	1		 	R		D	-	G		EAL C			N	D	0	P	S			CODE's
23			1 2		A	В	С	D	F	G					N	Р	Q	R	S	Т	MAG (CODE's
1	9355-037	O-Ring, Body -Teflon Encapsulating Silicone	2		A	В	С	D	F	G					N	P	Q	R	S	Т		
	9355-037 32335	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez			A	В	С	D	F	G					N	P	Q	R	S	Т		
1 3 3	9355-037 32335 32536	O-Ring, Body -Teffon Encapsulating Silicone Single Mech. Stainless Wedge CartiCeramic/TFE/Kairez Single Mech. Alloy C Wedge CartiCeramic/TFE/Kairez	1		A	В	С	D	F	G					N	P	Q	R	S	Т		
1 3 3 3	9355-037 32335 32536 33069	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carti/Silicat/TFE/Kalrez	1		A	В	С	D	F	G					N	P	Q	R	S	Т		
1 3 3 3 3	9355-037 32335 32536 33069 33070	O-Ring, Body -Teffon Encapsulating Silicone Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalirez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalirez Single Mech. Stainless Wedge Carb/SilCarb/TFE/Kalirez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalirez	1 1 1		A	В	С	D	F	G					N	P	Q	R	S	Т		
1 3 3 3	9355-037 32335 32536 33069 33070 32772	O-Ring. Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Silicat/TFE/Kalrez	1 1 1		A	В	С	D	F	G					N	P	Q	R	S	Т		
1 3 3 3 3 3 3	9355-037 32335 32536 33069 33070 32772 33079	O-Ring, Body -Teffon Encapsulating Silicone 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 Single Mechanical Bellows Carb/Ceramic/Viton/Viton Single Mechanical Bellows Carb/Ceramic/Viton/Viton	1 1 1 1		A	В	C	D	F	G					N	P	Q	R	S	Т		
1 3 3 3 3 3 3 3 3	9355-037 32335 32536 33069 33070 32772 33079 33076	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carth/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carth/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carth/Silcarth/FE/Kalrez Single Mech. Alloy C Wedge Carth/Silcarth/FE/Kalrez Single Mechanica Blellows Carth/Ceramic/Yilon/Yilon Single Mechanica Blellows Silcarth/Silcarth/FE/DMIE/PDM Double Mechanical Wedge Carth/Silcarth/FE/Ralrez	1 1 1 1 1		A	В	С	D	F	G					N	P	Q	R	S	T		
1 3 3 3 3 3 3 3 3 3	9355-037 92335 32536 33069 33070 32772 33079 33076 33079	O-Ring, Body -Teffon Encapsulating Silicone Single Mech. Stainless Wedge Carb/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 Mechanical Bellows Carb/SilCarb/TFE/Kalrez Single Mechanical Bellows Carb/SilCarb/TFE/Kalrez Double Mechanical Wedge Carb/SilCarb/TFE/Kalrez Double Mechanical Bellows Carb/Ceramic/Vilton/Vilton	1 1 1 1 1 1 1 1		A	В	С	D	F	G					N	P	Q	R	S	T		
1 3 3 3 3 3 3 3 3 3 3 3	9355-037 32335 32536 33069 33070 32772 33079 33076 33079 33107	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Silcarth/FE/Kairez Single Mech. Alloy C Wedge Carth/Silcarth/FE/Kairez Single Mechanica Bellows Carth/Ceramic/Vinon/Vion Single Mechanical Bellows Silcarth/Silcarth/FE/DMIE/DM Double Mechanical Wedge Carth/Silcarth/FE/Rairez Double Mechanical Wedge Carth/Silcarth/FE/Rairez Double Mechanical Bellows Silcarth/Silcarth/Filcarth/Filon/Vion Single Mechanical Bellows Silcarth/Silcarth/Filon/Vion/Vion	1 1 1 1 1 1 1 1 1 1 1		A	В	C	D	F	G					N	P	Q	R	S	T		
1 3 3 3 3 3 3 3 3 3 3 3 3	9355-037 32335 32536 33069 33070 32772 33079 33076 33079 33107 7558	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carb/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 Mechanical Bellows Carb/SilCarb/TFE/Kalrez Single Mechanical Bellows Carb/SilCarb/TE/Kalrez Double Mechanical Bellows Carb/SilCarb/SilCarb/TFE/Kalrez Double Mechanical Bellows Carb/Ceramic/Viton/Viton Single Mechanical Bellows Carb/Ceramic/Viton/Viton Packing Ring, Jeflon with Graphite	1 1 1 1 1 1 1 1 1 7 or 4		A	В	C	D	F	G					N 7	P	Q	R 4	S	T		
1 3 3 3 3 3 3 3 3 3 3 3 4 4	9355-037 32335 32536 33069 33070 32772 33079 33079 33107 7558 8523	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Silcarth/FE/Kairez Single Mech. Alloy C Wedge Carth/Silcarth/FE/Kairez Single Mechanical Bellows Carth/Ceramic/Viton/Viton Single Mechanical Bellows Silcarth/Silcarth/FE/Mirez Double Mechanical Wedge Carth/Silcarth/FE/Kairez Double Mechanical Wedge Carth/Silcarth/FE/Kairez Double Mechanical Bellows Silcarth/Silcarth/Viton/Viton Single Mechanical Bellows Silcarth/Silcarth/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoil	1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4		A	В	С	D	F	G					N 7	P 6	Q	R 4	S	T		
1 3 3 3 3 3 3 3 3 3 3 4 4 4	9355-037 32335 32536 33069 33070 32772 33076 33076 33076 33107 7558 8523 2496	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carti/Silicartif-Er/Kairez Single Mech. Stainless Wedge Carti/Silicartif-Er/Kairez Single Mech. Alloy C Wedge Carti/Silicartif-Er/Kairez Single Mechanical Bellows SiliCartif-Silicartif-Er/Mirez Double Mechanical Bellows Cartif-Silicartif-Er/Mirez Double Mechanical Bellows SiliCartif-Silicartif-Er/Mirez Double Mechanical Bellows Cartif-Ceramic/Viton/Viton Single Mechanical Bellows Cartif-Ceramic/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Teflon	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	S	T		
1 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5	9355-037 32335 32836 33069 33070 32772 33079 33079 33107 7558 8523 2496 2749	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Silcarth/FE/Kairez Single Mech. Alloy C Wedge Carth/Silcarth/FE/Kairez Single Mechanical Bellows Carth/Ceramic/Viton/Viton Single Mechanical Bellows SilCarth/Silcarth/FE/Mirez Double Mechanical Wedge Carth/Silcarth/FE/Kairez Double Mechanical Wedge Carth/Silcarth/FE/Kairez Double Mechanical Bellows SilCarth/Silcarth/Viton/Viton Single Mechanical Bellows SilCarth/Silcarth/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoil Packing Ring, Grafoil Lip Seal	1 1 1 1 1 1 1 1 1 1 7 or 4 6 or 4		A	В	C	D	F	G					7	P 6	Q 7	R 4	\$	T		
1 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8	9365-037 32235 22536 33069 33079 33077 33079 33079 33079 33079 34079 35079 35079 37558 8523 2496 2749 3021	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carb/Silcarb/FE/Kairez Single Mech. Stainless Wedge Carb/SilCarb/FE/Kairez Single Mechanical Bellows Carb/Ceramic/Vition/Vition Single Mechanical Bellows Carb/Silcarb/FE/Kairez Double Mechanical Bellows Carb/Silcarb/FE/Kairez Double Mechanical Bellows Carb/Ceramic/Vition/Vition Single Mechanical Bellows SilCarb/Silicarb/Vition/Vition Packing Ring, Teflon with Graphite Packing Ring, Teflon with Graphite Packing Ring, Teflon Lip Seal Divre 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		A	В	C	D	F	G					7	P 6	Q	R 4	S	T		
1 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8	9355-037 32335 32536 33069 33070 32772 33079 33079 33079 33107 7558 8523 2496 2749 3021 3022	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Sicath/TFE/Kairez Single Mech. Alloy C Wedge Carth/Sicath/TFE/Kairez Single Mechanical Bellows Carth/Ceramic/Viton/Viton Single Mechanical Bellows SiliCarth/Silcath/TFE/Kairez Double Mechanical Wedge Carth/Silcath/TFE/Kairez Double Mechanical Wedge Carth/Silcath/Silcath/Viton/Viton Single Mechanical Bellows SiliCarth/Silcath/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoil Packing Ring, Teflon Lip Seal Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Stainless)	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	4	4		
1 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8 8	9365-037 32235 32536 33069 33079 33077 33079 30079 300	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Silcarb/FE/Kalrez Single Mech. Alloy C Wedge Carb/Silcarb/FE/Kalrez Single Mech. Alloy C Wedge Carb/Silcarb/TE/Kalrez Single Mechanical Bellows Carb/Ceramic/Viton/Viton Single Mechanical Bellows SilCarb/Silcarb/FE/Kalrez Double Mechanical Bellows SilCarb/Silcarb/FE/Kalrez Double Mechanical Bellows SilCarb/Silcarb/Viton/Viton Packing Ring, Felton with Graphite Packing Ring, Felton with Graphite Packing Ring, Felton with Graphite Divis Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft - Single Mechanical Seals (Alloy C)	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					N 7	P 6	7	R 4	4	4		
1 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 8 8	9365-037 32335 32536 33069 33070 33077 33079 33076 33077 7558 8523 2496 2749 3021 3022 3023 3023	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Sicath/TFE/Kairez Single Mech. Alloy C Wedge Carth/Sicath/TFE/Kairez Single Mechanical Bellows Carth/Ceramic/Vinon/Vion Single Mechanical Bellows Silicath/Silicath/EPDM/EPDM Double Mechanical Wedge Carth/Silicath/TFE/Kairez Double Mechanical Wedge Carth/Silicath/TFE/Kairez Double Mechanical Bellows Silicath/Silicath/Viton/Viton Single Mechanical Bellows Silicath/Silicath/Viton/Viton Packing Ring, [eflon with Graphite Packing Ring, [effon with Graphite Packing Ring, [effon Lip Seal Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft (Siainless)	1 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		
1 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8 8	9365-037 32335 32536 33069 33079 33077 33077 33079 33107 7558 8523 2496 2749 3022 3023 3024 3024 3023	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Silicarti/FE/Kalrez Single Mech. Alloy C Wedge Carti/Silicarti/FE/Kalrez Single Mech. Alloy C Wedge Carti/Silicarti/FE/Kalrez Single Mechanical Believos Carti/Ceramic/Viton/Viton Single Mechanical Believos Silicarti/Silicarti/FE/Kalrez Double Mechanical Believos Silicarti/Silicarti/TE/Kalrez Double Mechanical Believos Silicarti/Silicarti/Te/Kalrez Double Mechanical Believos Silicarti/Silicarti/Viton/Viton Packing Ring, Felton with Graphite Packing Ring, Felton with Graphite Packing Ring, Felton Lip Seal Drive Shaft Single Mechanical Seals (Stainless) Drive Shaft Single Mechanical Seals (Alloy C) Drive Shaft (Kalianless)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A	В	С	D	F	G					7	P 6	7	4	4	4		
1 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8 8	9365-037 22335 322536 33069 33070 32772 33079 33077 33079 33107 7558 8523 2496 2749 3021 3022 3023 3024 3027 3027	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Ceramic/TFE/Kairez Single Mech. Alloy C Wedge Carth/Sicarth/FE/Kairez Single Mech. Alloy C Wedge Carth/Sicarth/FE/Kairez Single Mechanical Bellows Carth/Ceramic/Vion/Vion Single Mechanical Bellows Silicarth/Silicarth/FE/Marez Double Mechanical Wedge Carth/Silicarth/FE/Kairez Double Mechanical Wedge Carth/Silicarth/FE/Kairez Double Mechanical Bellows Silicarth/Silicarth/Viton/Viton Single Mechanical Bellows Silicarth/Silicarth/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Grafoil Packing Ring, Grafoil Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft - Single Mechanical Seals (Stainless) Drive Shaft (Siainless) Drive Shaft - Mag (Alloy C) 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 2 1 1 1 1 1 1 1 1 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	R 4	4	4		
1 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8 8 8	9365-037 32335 32536 33069 33079 33077 33077 33079 33107 7558 8523 2496 2749 3022 3023 3024 3024 3023	O-Ring, Body -Teflon Encapsulating Silicone Single Mech. Stainless Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carti/Silicarti/FE/Kalrez Single Mech. Alloy C Wedge Carti/Silicarti/FE/Kalrez Single Mech. Alloy C Wedge Carti/Silicarti/FE/Kalrez Single Mechanical Believos Carti/Ceramic/Viton/Viton Single Mechanical Believos Silicarti/Silicarti/FE/Kalrez Double Mechanical Believos Silicarti/Silicarti/TE/Kalrez Double Mechanical Believos Silicarti/Silicarti/Te/Kalrez Double Mechanical Believos Silicarti/Silicarti/Viton/Viton Packing Ring, Felton with Graphite Packing Ring, Felton with Graphite Packing Ring, Felton Lip Seal Drive Shaft Single Mechanical Seals (Stainless) Drive Shaft Single Mechanical Seals (Alloy C) Drive Shaft (Kalianless)	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		

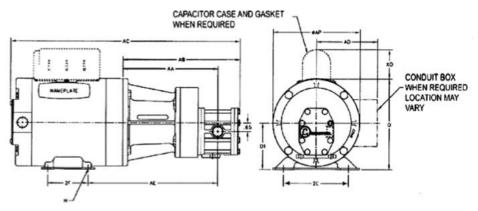
Other Parts

				SEAL CODE's							MAG C	ODE's									
				Α	В	С	D	F	G	Н	J	Z	L	N	Р	Q	R	S	Т	M	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																		
18	9365-090	Hex Head Cap Screws	8																		
18	9365-076	Hex Head Cap Screws (Mag)	8																		
19	9367	Hex Nuts	8																	\Box	
40	9793	Dowel Pin	2																		
21	6600-01	Hex Head Pipe Plug (Stainless)	2																	$\overline{}$	
21	6600-02	Hex Head Pipe Plug (Alloy C)	2																		
25	5390-01	Grease Lubrication Fitting	1																	\neg	
38	2696	Starter Ring	1																		
37	2672	Lantern Ring	1																		
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)
	antalan	Processe Belief (Abre (not about))

Series	Model	Repair Kit
S210 M	S21039JD-F50	S21039JD-F50K
	S21039JD	S21039JDK
	S21035JX	S21035JXK
	S21035JD-C2	S21035JD-C2K
	S21035JD	S21035JDK
	S21031CD	S21031CDK
	S2101FPN	S2101FPNK
	S2101FPB-C3	S2101FPB-C3K
	S2101FPB	S2101FPBK
	S2101FPA	S2101FPAK
	S2101FJC-J47	S2101FJC-J47K
	S2101FJC	S2101FJCK
	S2101FCZ	S2101FCZK
	S2101FCQ	S2101FCQK
	S2101FCJ	S2101FCJK
	S2101FCC-C2	S2101FCC-C2K
	S2101FCC	S2101FCCK
	S2101FCB-C1	S2101FCB-C1K
	S2101FCB	S2101FCBK
	S2101FCA-J09	S2101FCA-J09K
	S2101FCA-C2	S2101FCA-C2K
	S2101FCA-C1	S2101FCA-C1K
	S2101FCA	S2101FCAK
	S2101EPH-C1	S2101EPH-C1K
	S2101EPH	S2101EPHK
	S2101EJZ	S2101EJZK

DIMENSIONS

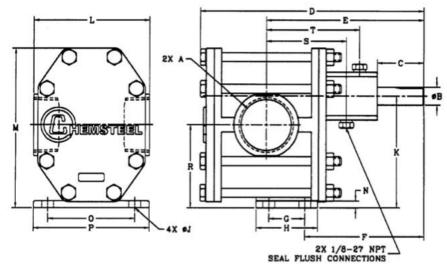


adapter code	kit part no.	motor frame											D1	2E	2F	н	0	H AP	H XO	AA	AB	AC	AD	AE		
C1	M2AD56	56C		56C		56C		5 56C		INCHES	3.50	4.88	3.00	ø.34 SLOT	6.88	6.63	2.25	7.15	8.80	17.18	_	9.71				
						MILLIMETERS	88.9	124	76.2	ø8.6 SLOT	174.8	168.4	57.2	181.6	223.5	436.4	_	246.6								
C2	M2AD45T	143TC 145TC		INCHES MILLIMETERS	3.50 88.9	5.50 139.7	4.00 5.00 102 127	ø8.6 SLOT	6.88 174.8	6.63 168.4	2.25 57.2	7.15	8.80	18.37 19.87 466.6 504.7	_	9.53 242.1										
		182C	184C	INCHES MILLIMETERS	4.50 114.3	7.50 190.5	4.50 5.50 114.3 139.7	g.41 SLOT g10.41 SLOT	8.69 220.7	7.88 200	2.38 60.3	181.6	223.5	21.09 20.31 535.7 515.9	_	10.03 254.8										
C3	M2AD71E	IEC 71, E	IEC 71, B14 FACE		IEC 71, B14 FACE		IEC 71, B14 FACE		IEC 71, B14 FACE		IEC 71, B14 FACE		IEC 71, B14 FACE		2.80	4.41	3.54	ø.28 SLOT	5.14	4.69	_	6.65	8.30	17.61	4.00	8.42
				MILLIMETERS	71 112 89.9		ø7 SLOT	130.6	119.1	_	168.9	210.8	447.3	102	213.9											
C4	M2AD80E	IEC 80, B14 FACE		INCHES	3.15	4.92	3.94	ø.39 SLOT	6.00	5.69	_	6.65	8.30	17.84	4.51	8.62										
				MILLIMETERS	80	125	100.1	ø10 SLOT	152.4	144.5	_	168.9	210.8	453.1	116	218.9										

These dimensions vary depending on hp, enclosure, speed and motor manufacturer.
 Specifications are subject to change without notification.

	A	В	C		D	Е	F	G	Н	J	K		L	M	N	0	P	R	
			Mechanical	Pack 2	Lip						Diameter	Standard drive	Lower drive						
inches	0.50	0.50	1.28	0.72	1.26	6.28	4.60	4.22	0.56	1.38	0.34	2.63	1.33	2.63	3.75	0.25	2.25	3.00	1.97
millimeters		12.7	32.5	18.2	32.0	159.5	116.8	107.2	14.2	35.1	8.6	66.7	33.7	66.8	95.3	6.4	57.2	76.2	50.0

^{2.} Dimension is approximated with packing nut installed



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-torquing 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 world wide acceptance. "Near" dimensional interchangeability offers easy upgrade to CHEMSTEEL™ pump. The port size is the same as competitive pumps.