CHEMSTEEL™ PUMP SERIES

RM104 METALLIC

CHEMSTEEL™ PUMP

CHEMSTEEL PUMPS SERIES RM104 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.

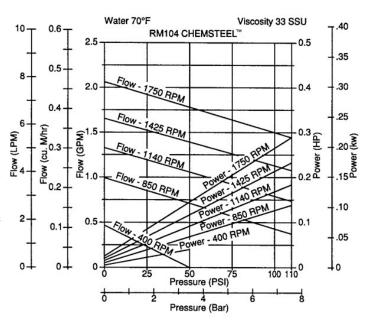
DRIVE

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 nonlubricating fluids at temperatures to 450F. These pumps will handle viscous fluids to 100,000 cps (462,000 SSU) at reduced shaft speeds.

PERFORMANCE



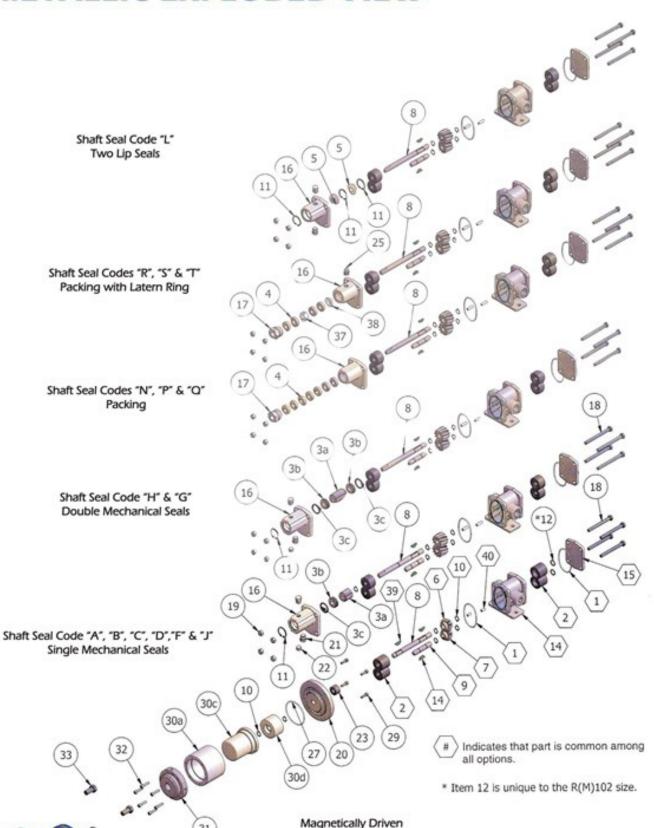
SUCTION LIFT

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



R(M)102, R(M)103, R(M)104 & R(M)106 METALLIC EXPLODED VIEW



CHEMkit Parts

No.	Part No.	Part Name	Req.	_																				
														COD									l	
_							1	2	3	4	5	6	7	8	9	Α	В	С	Е	F			l	
6	9656-01A 9698-01A	Drive Gear-Ryton PPS Drive Gear-316 SS	1 1	-						_				_		_							l	
6	9393-01A	Drive Gear-PEEK	1	_							_			_	_	_		_					l	
6	9393-01A 9149-01A	Drive Gear-PEEK Drive Gear-Alloy C	1	-										_				-	-				l	
6	9150-01A	Drive Gear-W 88	1	_																	ı		l	
6	9151-01A	Drive Gear-Teflon	1	_						_					_	_					ı		l	
	9656-02A	Idle Gear- Ryton PPS		-						_	_			_	_			_			ı		l	
7	9698-02A	Idle Gear-316 SS	1 1	_						_				_					_		ı		l	
7	9898-02A 9393-02A	Idle Gear-PEEK	1	_										_				-					l	
7	9393-02A 9149-02A	Idle Gear-PEEK	1	+										_		_	_	-	_		1		l	
7	9149-02A 9150-02A	Idle Gear-W 88	1	_										_	_	_	_	-					l	
7	9151-02A	Idle Gear-Vido	+ +	_						_						_	_	-					l	
/	9151-02A	Idle Gear-Tetion	1					, ,															l	
					BEARING		ı																l	
				I	CODE	-																	l	
				С	P	J	ı																l	
2	9235TC-A	Bearing, Carbon Graphite	4				l																l	
2	9400TC-A	Bearing, Teflon	4				l																l	
2	9425TC-A	Bearing, Rulon	4				ı																l	
23	2313	5th Bearing, Carbon Graphite	1				1																l	
23	2314	5th Bearing , Rulon	1																				l	
														EAL (MAG	С
							Α	В	С	D	F	G	S		Z		N	P	Q	R	S	Т	MAG (c
1	9355-031	O-Ring, Body -Teflon Encapsulating Silicone	2				Α	В	С	D	F	G					N	P	Q	R	S	Т		С
3	32674A	Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez	1				Α	В	С	D	F	G					N	P	Q	R	S	Т		С
3	32674A 32823	Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez	1				A	В	С	D	F	G					N	P	Q	R	S	Т		С
3 3	32674A 32823 33067	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 1				A	В	С	D	F	G					N	P	Q	R	S	Т		c
3 3 3 3	32674A 32823 33067 33068	Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SiCeramic/TFE/Kalrez Single Mech. Stainless Wedge Carb/SilCarb/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SilCarb/TFE/Kalrez	1 1 1				A	В	С	D	F	G					N	P	Q	R	S	Т		C
3 3 3 3 3 3	32674A 32823 33067 33068 33065	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 Mech.	1 1 1 1 1				A	В	С	D	F	G					N	P	Q	R	S	Т		C
3 3 3 3 3 3	32674A 32823 33067 33068 33065 33073	Single Mech. Stainless Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Carb/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Carb/SiCarb/TFE/Kalrez Single Mech. Stainless Wedge Carb/SiCarb/TFE/Kalrez Single Mech. Alloy C Wedge Carb/SiCarb/TFE/Kalrez Single Mechanical Bellows Carb/Ceramic/Viton/Viton Single Mechanical Bellows Carb/Ceramic/Viton/Viton	1 1 1 1 1 1				A	В	С	D	F	G					N	P	Q	R	S	Т		C
3 3 3 3 3 3 3	32674A 32823 33067 33068 33065 33073 33075	Single Mech. Stainless Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mechanica Bellows Gart/Geramic/Yilon/Yilon Single Mechanica Bellows SilCart/Silcart/EFDM/EPDM Double Mechanical Wedge Cart/SilCart/TFE/Kalrez	1 1 1 1 1 1 1 1 1				A	В	С	D	F	G					N	P	Q	R	S	Т		C
3 3 3 3 3 3 3 3	32674A 32823 33067 33068 33065 33073 33075 33078	Single Mech. Stainless Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Scario/TFE/Kalrez Single Mech. Stainless Wedge Cart/SilCart/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mechanical Bellows Cart/SilCa	1 1 1 1 1 1 1 1 1				A	В	C	D	F	G					N	P	Q	R	S	T		C
3 3 3 3 3 3 3 3 3	32674A 32823 33067 33068 33065 33073 33075 33078 33131	Single Mech. Stainless Wedge Cart/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TE/FE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TE/Kalrez Single Mech alloy C Wedge Cart/SilCart/TE/Kalrez Single Mechanical Bellows SchOceramic/Vilon/Vilon Single Mechanical Bellows SilCart/SilCart/EP/DM/EP/DM Double Mechanical Wedge Cart/SilCart/TE/Kalrez Double Mechanical Wedge Cart/SilC	1 1 1 1 1 1 1 1 1 1				A	В	C	D	F	G					N	P	Q	R	S	T		C
3 3 3 3 3 3 3 3 3 3 3	32674A 32823 33067 33068 33065 33073 33075 33078 33131 9140	Single Mech. Stainless Wedge Cartb/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cartb/Ceramic/TFE/Kalrez Single Mech. Stainless Wedge Cartb/SilCartb/TFE/Kalrez Single Mech. Alloy C Wedge Cartb/SilCartb/TFE/Kalrez Single Mechanical Bellows Cartb/Ceramic/Vinon/Viton Single Mechanical Bellows SilCartb/SilCartb/FE/DM/FDDM Double Mechanical Wedge Cartb/SilCartb/TFE/Kalrez Double Mechanical Wedge Cartb/SilCartb/TFE/Kalrez Double Mechanical Bellows SilCartb/SilCartb/TFE/Kalrez Davible Mechanical Bellows SilCartb/Silcartb/Viton/Viton Packing Ring, Felton with Graphite	1 1 1 1 1 1 1 1 1 1 1 7 or 4				A	В	C	D	F	G					N	P	Q	R 4	S	T		C
3 3 3 3 3 3 3 3 3 3 4 4	32674A 32823 33067 33068 33065 33073 33075 33078 33131 9140 9483	Single Mech. Stainless Wedge Cart/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TE/Kalrez Single Mechanica Bellows SilCart/SilCart/TE/Kalrez Single Mechanica Bellows SilCart/SilCart/TE/Kalrez Double Mechanical Wedge Cart/SilCart/TE/Kalrez Double Mechanical Wedge Cart/SilCart/	1 1 1 1 1 1 1 1 1 1 7 or 4				A	В	C	D	F	G					N	P 7	Q	R 4	S	T		C
3 3 3 3 3 3 3 3 3 4 4	32674A 32823 33067 33068 33065 33073 33075 33078 33131 9140 9483 2498	Single Mech. Stainless Wedge Cartb/Ceramic/TEF/Kalrez Single Mech. Alloy C Wedge Cartb/Ceramic/TEF/Kalrez Single Mech. Stainless Wedge Cartb/SilCartb/TEF/Kalrez Single Mech. Alloy C Wedge Cartb/SilCartb/TEF/Kalrez Single Mechanica Bellows Scartb/Ceramic/Vinon/Viton Single Mechanica Bellows SilCartb/SilCartb/EPDM/EPDM Double Mechanical Wedge Cartb/SilCartb/EF/Kalrez Double Mechanical Wedge Cartb/SilCartb/FilCartb/ Double Mechanical Wedge Cartb/SilCartb/SilCartb/Viton/Viton Single Mechanical Bellows SilCartb/SilCartb/Viton/Viton Packing Ring, Telton with Graphite Packing Ring, Telton with Graphite Packing Ring, Telton	1 1 1 1 1 1 1 1 1 1 1 7 or 4 7 or 4 8 or 5				A	В	С	D	F	G					N 7	P 7	Q 8	R 4	S	T		C
3 3 3 3 3 3 3 3 3 3 4 4 4 5	32674A 32823 33067 33068 33065 33073 33075 33075 33078 33131 9140 9483 2498 2748	Single Mech. Stainless Wedge Cart/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/Scramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/SciCart/TE/Kalrez Single Mech. Alloy C Wedge Cart/SiCart/TE/Kalrez Single Mech. Alloy C Wedge Cart/SiCart/TE/Kalrez Single Mechanica Bellows SciCart/SiCart/TE/Kalrez Single Mechanica Bellows SiCart/SiCart/TE/Kalrez Double Mechanical Wedge Cart/Si	1 1 1 1 1 1 1 1 1 1 7 or 4				A	В	С	D	F	G					7	P 7	Q 8	R 4	S	T		Ci
3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 5 8	32674A 32823 33067 33068 33065 33073 33075 33078 33131 9140 9483 2498 2748	Single Mech. Stainless Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Scario/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mechanical Bellows Cart/SilCart/TFE/Kalrez Single Mechanical Bellows Cart/SilCa	1 1 1 1 1 1 1 1 1 1 7 or 4 7 or 4 8 or 5 2				A	В	C	D	F	G					7	P	Q 8	R 4	4	T		Ci
3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32674A 32823 33067 33068 33065 33073 33075 33078 33131 9140 9483 2498 2748 3127 3128	Single Mech. Stainless Wedge Cart/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/Scramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/SciCart/TE/Kalrez Single Mech. Stainless Wedge Cart/SiCart/TE/Kalrez Single Mech. Alloy C Wedge Cart/SiCart/TE/Kalrez Single Mechanica Bellows SiCart/SiCart/TE/Kalrez Single Mechanical Bellows SiCart/SiCart/TE/Kalrez Double Mechanical Wedge Cart/SiCart/TE/Kalrez Double Mechanical Wedge Cart/SiCart/SiCart/SiCart/TE/Kalrez Double Mechanical Bellows SiCart/SiCart/SiCart/Viton/Viton Packing Ring, Telfon with Graphite Packing Ring, Grafoil Packing Ring, Grafoil Up 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 7 or 4 8 or 5 2				A	В	C	D	F	G					7	P 7	Q 8	R 4	4	T		Ci
3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8	32674A 32823 33067 33068 33065 33075 33078 33078 33078 33131 9140 9463 2498 2748 3127 3128	Single Mech. Stainless Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Scario/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mechanical Bellows Cart/SilCart/TFE/Kalrez Single Mechanical Bellows Cart/SilCart/TFE/Kalrez Double Mechanical Bellows Cart/Ceramic/Viton/Viton Single Mechanical Bellows SilCart/Silcart/Filcart/Silcart/Silcart/Pilcart/Silca	1 1 1 1 1 1 1 1 1 1 7 or 4 7 or 4 8 or 5 2 1 1				A	В	C	D	F	G					7	P 7	Q 8	4	4	T		C
3 3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32674A 32823 33067 33068 33065 33075 33075 33078 33131 9440 9483 2488 2748 3127 3128 3129 3130	Single Mech. Stainless Wedge Carth/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Carth/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Carth/Ceramic/TE/Kalrez Single Mech. Stainless Wedge Carth/SiCarth/TE/Kalrez Single Mech. Alloy C Wedge Carth/SiCarth/TE/Kalrez Single Mechanical Bellows Carth/Ceramic/Viton/Viton Single Mechanical Bellows SiCarth/Sicarth/EP/DME-PDM Double Mechanical Wedge Carth/SiCarth/FE/Kalrez Double Mechanical Wedge Carth/SiCarth/FE/Kalrez Double Mechanical Bellows SiCarth/Sicarth/Viton/Viton Single Mechanical Bellows SiCarth/Siloarth/Viton/Viton Packing Ring, Grafotl Packing Ring, Grafotl Packing Ring, Grafotl Drive Shaft. Single Mechanical Seals (Stainless) Drive Shaft. Single Mechanical Seals (Stainless) Drive Shaft (Stainless) Drive Shaft (Stainless) Drive Shaft (Stainless)	1 1 1 1 1 1 1 1 1 1 1 7 or 4 8 or 5 2 1 1 1				A	В	C	D	F	G					7	7	Q 8	4	4	5		C
3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 5 8 8 8 8 8 8 8 8 8 8 8 8 8	32674A 32823 33067 33068 33065 33075 33075 33078 33131 9140 9483 2498 3127 3128 3129 3129 3130 2306	Single Mech. Stainless Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Scramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Scramic/TFE/Kalrez Single Mech. Stainless Wedge Cart/SilCart/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mechanical Bellows Cart/SilC	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	Q 8	4 4	4	5		C
3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32674A 32823 33067 33068 33075 33075 33075 33075 33076 33131 9440 9463 2748 2748 3129 3129 3129 3130 2306	Single Mech. Stainless Wedge Cart/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cart/Serior/TE/Kalrez Single Mech. Alloy C Wedge Cart/Serior/TE/Kalrez Single Mech. Alloy C Wedge Cart/SiCart/TE/Kalrez Single Mechanical Bellows Cart/Ceramic/Vion/Vion Single Mechanical Bellows SiCart/Serior/E/PDMPDM Double Mechanical Wedge Cart/SiCart/SE/Kalrez Double Mechanical Wedge Cart/SiCart/SiCart/FE/Kalrez Double Mechanical Wedge Cart/SiCart/SiCart/Vion/Vion Single Mechanical Bellows SiCart/SiCart/SiCart/Vion/Vion Packing Ring, Grafol Packing Ring, Grafol Packing Ring, Grafol Drive Shaft. Single Mechanical Seals (Stainless) Drive Shaft. Single Mechanical Seals (Stainless) Drive Shaft (Stainless) Drive Shaft (Alloy C) Drive Shaft. Mag (Alloy C)	1 1 1 1 1 1 1 1 1 1 1 1 7 or 4 7 or 7 8 or 5 2 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	7	8	4	4	5		C
3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32674A 32823 33067 33068 33065 33075 33075 33078 33131 9140 2498 2748 3127 3128 3129 3130 2306 2306 2307	Single Mech. Stainless Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SiCart/FFE/Kalrez Single Mech. Alloy C Wedge Cart/SiCart/FFE/Kalrez Single Mech. Alloy C Wedge Cart/SiCart/FFE/Kalrez Single Mechanical Bellows Cart/SiCart/SiCart/FE/Kalrez Single Mechanical Bellows Cart/SiCart/SiCart/FE/Kalrez Double Mechanical Bellows SiCart/SiCart/FE/Kalrez Double Mechanical Bellows SiCart/SiCart/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Teflon Lip Seal Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft (Alioy C) Drive Shaft - Mag (Stainless) Drive Shaft - Mag (Stainless)	1 1 1 1 1 1 1 1 1 1 1 1 1 7 or 4 8 or 5 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	7	8	4	4	5		C
3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 8 8 8 8 8 8 9 9 9 9	32674A 32823 33067 33068 33068 33065 33073 33073 33073 33131 9140 2498 2748 3127 3128 3129 3130 2306 2307 3131 3131	Single Mech. Stainless Wedge Cartb/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cartb/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cartb/Ceramic/TE/Kalrez Single Mech. Stainless Wedge Cartb/SiCartb/TE/Kalrez Single Mech. Alloy C Wedge Cartb/SiCartb/TE/Kalrez Single Mechanical Bellows Cartb/Ceramic/Viton/Viton Single Mechanical Bellows SiCartb/Sicartb/EP/DME-PDM Double Mechanical Wedge Cartb/SiCartb/FE/Kalrez Double Mechanical Wedge Cartb/SiCartb/FE/Kalrez Double Mechanical Wedge Cartb/SiCartb/Fickfalrez Double Mechanical Wedge Cartb/SiCartb/SiCartb/Viton/Viton Packing Ring, Grafoli Packing Ring, Grafoli Packing Ring, Grafoli Drive Shaft. Single Mechanical Seals (Stainless) Drive Shaft. Single Mechanical Seals (Stainless) Drive Shaft (Stainless) Drive Shaft (Alloy C) Drive Shaft (Stainless) Idle Shaft (Stainless) Idle Shaft (Stainless) Idle Shaft (Stainless)	1 1 1 1 1 1 1 1 1 1 1 7 or 4 8 or 5 2 1 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	B	C	D	F	G					7	7	8	4	4	5	M	C
3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 5 8 8 8 8 9 9 9 9 9	32674A 32823 33067 33068 33068 33075 33075 33075 33078 33131 9483 2498 2748 3127 3128 3129 3130 2306 2307 33131	Single Mech. Stainless Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Ceramic/TFE/Kalrez Single Mech. Alloy C Wedge Cart/Scario/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mech. Alloy C Wedge Cart/SilCart/TFE/Kalrez Single Mechanical Bellows Cart/SilCart/TFE/Kalrez Single Mechanical Bellows Cart/SilCart/TFE/Kalrez Double Mechanical Bellows SilCart/Silcart/FE/Kalrez Double Mechanical Bellows SilCart/Silcart/TFE/Kalrez Double Mechanical Bellows SilCart/Silcart/TFE/Kalrez Double Mechanical Bellows SilCart/Silcart/Viton/Viton Packing Ring, Teflon with Graphite Packing Ring, Teflon with Graphite Packing Ring, Teflon Lip Seal Drive Shaft - Single Mechanical Seals (Alloy C) Drive Shaft - King (Stainless) Drive Shaft (Alloy C) Unive Shaft (Stainless)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				A	B	C	D	F	G					7 7	7	8	4	4	6		C
3 3 3 3 3 3 3 3 3 3 3 4 4 4 4 4 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8	32674A 32823 33067 33068 33068 33065 33073 33073 33073 33131 9140 2498 2748 3127 3128 3129 3130 2306 2307 3131 3131	Single Mech. Stainless Wedge Cartb/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cartb/Ceramic/TE/Kalrez Single Mech. Alloy C Wedge Cartb/Ceramic/TE/Kalrez Single Mech. Stainless Wedge Cartb/SiCartb/TE/Kalrez Single Mech. Alloy C Wedge Cartb/SiCartb/TE/Kalrez Single Mechanical Bellows Cartb/Ceramic/Viton/Viton Single Mechanical Bellows SiCartb/Sicartb/EP/DME-PDM Double Mechanical Wedge Cartb/SiCartb/FE/Kalrez Double Mechanical Wedge Cartb/SiCartb/FE/Kalrez Double Mechanical Wedge Cartb/SiCartb/Fickfalrez Double Mechanical Wedge Cartb/SiCartb/SiCartb/Viton/Viton Packing Ring, Grafoli Packing Ring, Grafoli Packing Ring, Grafoli Drive Shaft. Single Mechanical Seals (Stainless) Drive Shaft. Single Mechanical Seals (Stainless) Drive Shaft (Stainless) Drive Shaft (Alloy C) Drive Shaft (Stainless) Idle Shaft (Stainless) Idle Shaft (Stainless) Idle Shaft (Stainless)	1 1 1 1 1 1 1 1 1 1 1 7 or 4 8 or 5 2 1 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				5 5	B 5 5 5 1	5 5	D 5 5 5	5 5	G 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4					7 7	7 7	8	4	4	5	M	C

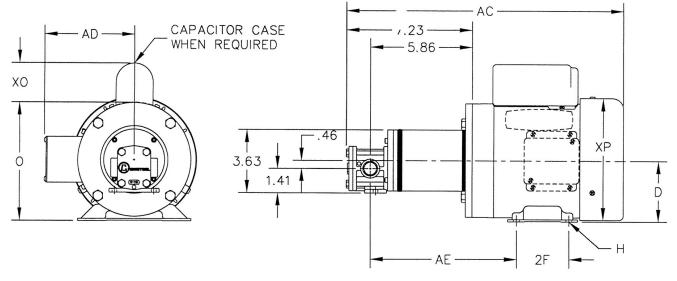
Other Parts

										S	EAL (ODE	's							MAG C	ODE's
				Α	В	С	D	F	G	Н	J	Z	L	N	P	Q	R	S	Т	M	W
14	9127S-5P	Body with 1/2" NPT Ports (Stainless)	1																		
14	9127H-5P	Body with 1/2" NPT Ports (Alloy C)	1																		
15	9128S-1	Rear Cover (Stainless)	1																		
15	9128H-1	Rear Cover (Alloy C)	1																		
16	9130S-3	Front Cover, Single/ Double Mechanical (Stainless)	1													7					
16	9130H-3	Front Cover, Single/ Double Mechanical (Alloy C)	1																		
16	9129S-5	Front Cover, Lip (Stainless)	1																		
16	9129S-1	Front Cover, Packing (Stainless)	1																		
16	9129H-1	Front Cover, Packing (Alloy C)	1																		
16	9129S-3	Front Cover, Lantern Packing (Stainless)	1																		
16	9129H-3	Front Cover, Lantern Packing (Alloy C)	1																		
17	9138	Pack Nut (Stainless)	1																		
17	2746	Pack Nut (Alloy C)	1																		
18	9365-070	Hex Head Cap Screws	4																		
18	9365-062	Hex Head Cap Screws (Mag)	4																		
19	9367	Hex Nuts	4																		
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					11													
38	2695	Starter Ring	1																		$\overline{}$
37	2671	Lantern Ring	1																		
20	2312S	Pump Adapter (Stainless)	1																		
20	2312H	Pump Adapter (Alloy C)	1																		
26	2302-01	Bell Housing	1																		
27	9355-033	O-Ring, Containment Can -Teflon Encapsulating Silicone	1	\vdash																	
29	2481-014	Hex Head Cap Screws (Bell/Pump Adapter)	4																		
30 a b c d	2023-3NS	Magnet Kit, Neo (Stainless)	1																		
30 a b c d	2023-3NH	Magnet Kit, Neo (Alloy C)	1																		
30a b c d	2023-3SS	Magnet Kit, Sam C (Stainless)	1	\vdash																	
30a b c d	2023-3SH	Magnet Kit, Sam C (Alloy C)	1	I									I								

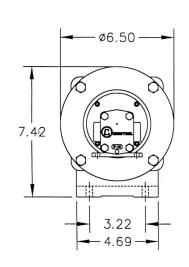
31,32,33,34,35	catalog	Mag - Power End Kit (motor hub, adapters, hardware)
	2464	Optional Mag Foot Kit (not shown)
	catalog	Sealed - Close Coupled Adapter Kit (not shown- faceplate, motor adapter, couplings, hardware)
	catalog	Sealed- Long Mount Bedplate Kits (not shown - base, shims, couplings, coupling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

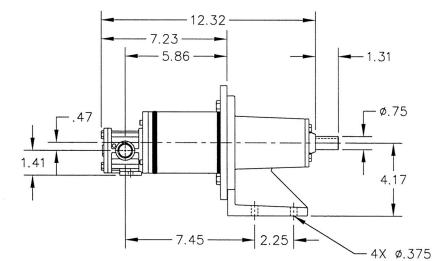
Series	Model	Repair Kit
RM104 M	RM10435CW-M1	RM10435CW-M1K
	RM10434PW-M1	RM10434PW-M1K
	RM10434PW	RM10434PWK
	RM10434CW-M1	RM10434CW-M1K
	RM10434CW	RM10434CWK
	RM1041FPW-J97	RM1041FPW-J97K
	RM1041FPW-J81	RM1041FPW-J81K
	RM1041FCW-M1	RM1041FCW-M1K
	RM1041EPW-M1	RM1041EPW-M1K
	RM1041ECW-M1	RM1041ECW-M1K
	RM1041ECW	RM1041ECWK
	RM10416PW-M1	RM10416PW-M1K
	RM10416JW-M1	RM10416JW-M1K
	RM10416JW-J97	RM10416JW-J97K
	RM10416JW-F73	RM10416JW-F73K
	RM10416JW	RM10416JWK
	RM10416CW-X1M1	RM10416CW-X1M1K
	RM10416CW-M4	RM10416CW-M4K
	RM10416CWM1-F50	RM10416CWM1-F50K
	RM10416CW-M1	RM10416CW-M1K
	RM10416CW-J47	RM10416CW-J47K
	RM10416CW-F53	RM10416CW-F53K
	RM10413CW-M1	RM10413CW-M1K
	RM10412CW-F81	RM10412CW-F81K
	RM10412CW	RM10412CWK

DIMENSIONS



RM1 MAG DRIVE





RM1 MAG DRIVE W/ PEDESTAL

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.

To order a CHEMKIT™ parts kit, simply add a "K" to the end of the model number.

A repair kit contains the following parts: 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. The port size is the same as competitive pumps.