

BLACKMER PARTS LIST

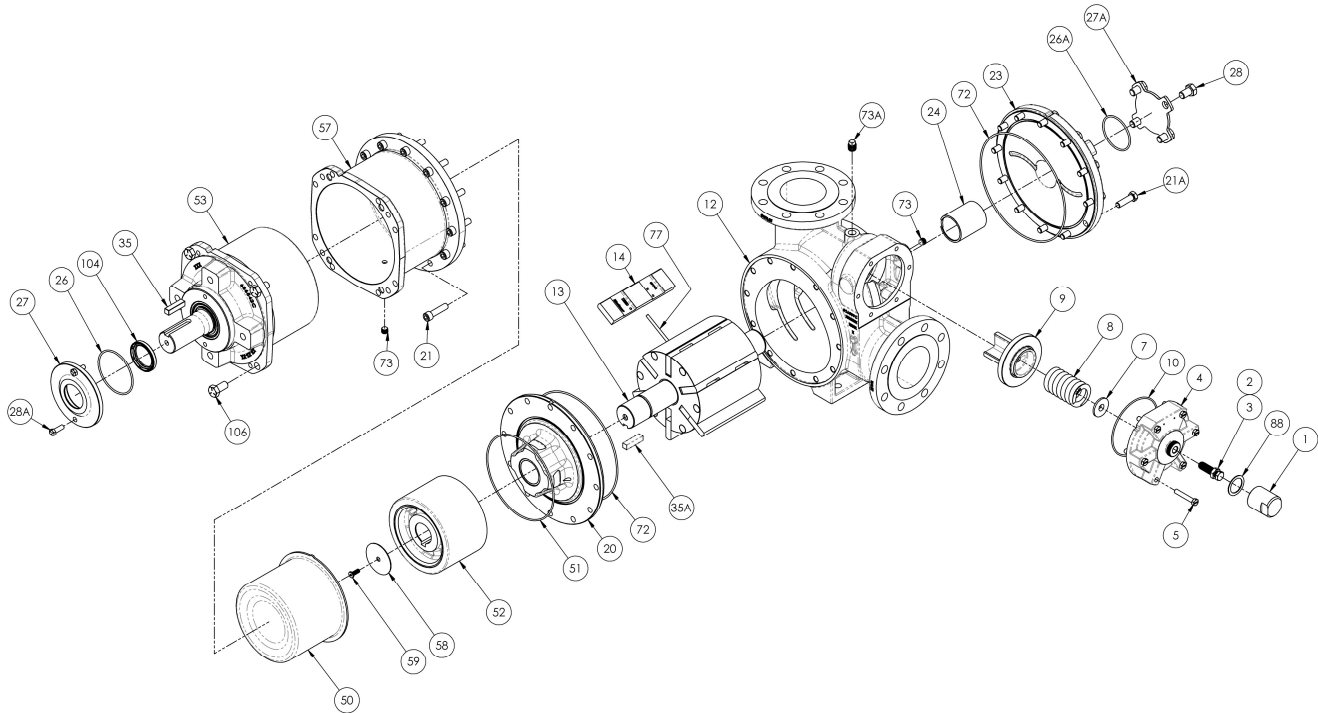
PUMP MODELS: MAGNES SERIES – MI4, MS4

961803
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PARTS LIST
110-A02

Section 110
Effective Jun 2022
Replaces Jan 2022

Keep with Instructions 110-A00 for Installation, Operation, and Maintenance



Ref. No.	Description	Qty	MS4 Part No.	MI4 Part No.	Ref. No.	Description	Qty	MS4 Part No.	MI4 Part No.
1	Cap - Relief Valve (R/V)	1	413958	413957	26A	O-Ring - OB Bearing Cover (FKM) ^{4,5}	1	702222	
2	Adjusting Screw – R/V	1	436313	436307		O-Ring - OB Bearing Cover (PTFE)		702225	
	Adjusting Screw - R/V (high pressure) ¹		436312	436311		O-Ring - OB Bearing Cover (Buna-N)		N/A	702219
3	Locknut - R/V	1	436352	436355	27	Inboard Bearing Cover	1	041603	
4	Cover – R/V	1	N/A	411968	27A	Outboard Bearing Cover	1	041901	041900
	Cover - R/V (high pressure) ¹		411979	411969	28	Capscrews – OB Bearing Cover	4	920612	920611
5	Capscrew – R/V Cover	6	N/A	920351	28A	Capscrews – IB Bearing Cover	2	920341	
	Capscrew - R/V Cover (high pressure) ¹		920422	920421	35	Key - Shaft ^{4,5}	1	909191	
7	Spring Guide - R/V	1	426365	426355	35A	Key - Wet End ^{4,5}	1	909161	
8	Spring – R/V (51-75 psi)	1	476314		42	See page 2 for Flange Options			
	Spring - R/V (76-150 psi)		476321		50	Containment Shell	1	686662	
	Spring - R/V (151-200 psi) ¹		476969		51	O-ring - Canister (FKM) ^{4,5}	1	711938	
9	Valve - R/V	1	456325	456315		O-ring - Canister (PTFE)		702129	
	Valve – R/V (Nickel Plated)		N/A	456300		O-ring - Canister (Buna-N)		N/A	702041
10	O-Ring - R/V Cover (FKM) ^{4,5}	1	702229		52	Magnet Assembly - Driven	1	686602	686702
	O-Ring - R/V Cover (PTFE)		702230		53	Power End Assembly	1	686598	
	O-Ring – R/V Cover (Buna-N)		N/A	702228	57	Magnet Housing	1	686552	
12	Cylinder	1	026509	021906	58	Washer - Driven Magnet	1	906813	
	Cylinder (Horizontal Porting)		N/A	021915	59	Capscrew - Driven Magnet	1	922000	
13	Rotor & Shaft ⁵	1	266602	266702	72	O-Ring - Head (FKM) ^{4,5}	2	702128	
14	Vane - Enduravane ^{4,5}	6	091961			O-Ring - Head (PTFE)		702129	
	Vane - EC Laminate		091931			O-Ring – Head (Buna-N)		N/A	702127
	Vane - Duravane		091924		73	Hex Head Pipe Plug - 1/4 NPT	2	908192	908198
20	Head & Bushing Asy. - Inboard	1	036602	036702	77	Push Rods ^{4,5}	3	121906	121905
21	Capscrews – IB Head	12	920538	920537	88	Gasket - R/V Cap ^{4,5}	1	533909	
21A	Capscrews – OB Head	12	920467	920532	104	Seal	1	904203	
23	Head & Bushing Asy. - Outboard	1	036662	031977	106	Capscrew - Bearing Housing	4	350726	350726
24	Bushing (Sleeve Bearing) ^{4,5}	2	161900		—	Kit — Maintenance	—	899084	899083
26	O-Ring - IB Bearing Cover (FKM)	1	701991		—	Kit — Rebuild	—	899184	899183

¹ High Pressure Relief Valve parts must be grouped together and cannot be used with other springs

⁴ Included in Maintenance Kit, kit will include FKM o-rings, gaskets for NPT Flanges (MI4)

⁵ Included in Rebuild Kit, kit will include FKM o-rings, gaskets for NPT Flanges (MI4)

FLANGE OPTIONS

Ref No.	Part Name	Parts Per Pump	MI4 P/N
42	Flange - 4" NPT	0-2	651900
	Flanngge - 4" Weld		651906
	Flange - ANSI 4" 150 lb RF		651917
42A	Gasket - NPT Flange (Comp.) ^{4,5}	0-2	381904
42B	Capscrew	0-16	920532
42C	O-ring - Flange (FKM) ^{4,5}	0-2	702238
	O-ring - Flange (PTFE)		702239
	O-ring - Flange (Buna-N)		702237

* MS4 Pump has Integral 150# ANSI Flange

