Use With: OM-03989 MR-03991

Pump Issue 2 May 17, 1999 Rev. B 05-7-2025



# PUMP MODEL RD2A31-B

MANUAL PART 2 of 3

PARTS
LIST
WITH
PERFORMANCE CURVE

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

# Register your new Gorman-Rupp pump online at www.grpumps.com

Valid serial number and e-mail address required.

### **RECORD YOUR PUMP MODEL AND SERIAL NUMBER**

Please record your spaces provided b needs this information	elow. Your	Gorman-Rupp	distributor
Pump Model:			
Serial Number:			

PL-04015 RD SERIES PUMP

#### PERFORMANCE CURVE - SECTION A

# RECORDING MODEL AND SERIAL NUMBERS

Please record the pump model and serial number in the spaces provided below and in the separate <u>Installation/Operation Manual</u> accompanying your pump. Your Gorman-Rupp distributor needs this information when you require parts or service.

Pump Model:	
Serial Number:	

#### WARRANTY INFORMATION

The pump warranty is provided as part of Gorman-Rupp's support program for customers who operate and maintain their equipment as described in this manual and other accompanying literature. Please note that should the equipment be abused or modified to change its performance beyond the original factory specifications, the warranty will become void and any claim will be denied.

#### PERFORMANCE CURVES

The performance curves on the following page are based on 70° F (21° C) clear water at sea level, corrected to 0.80 specific gravity, with minimum suction lift. Since pump installations are seldom identical, your performance may be different due to such factors as viscosity, specific gravity, elevation, temperature, and impeller trim.

If your pump serial number is followed by an "N", your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify performance or part numbers.



Pump speed and operating condition points must be within the continuous performance range shown on the curve(s).

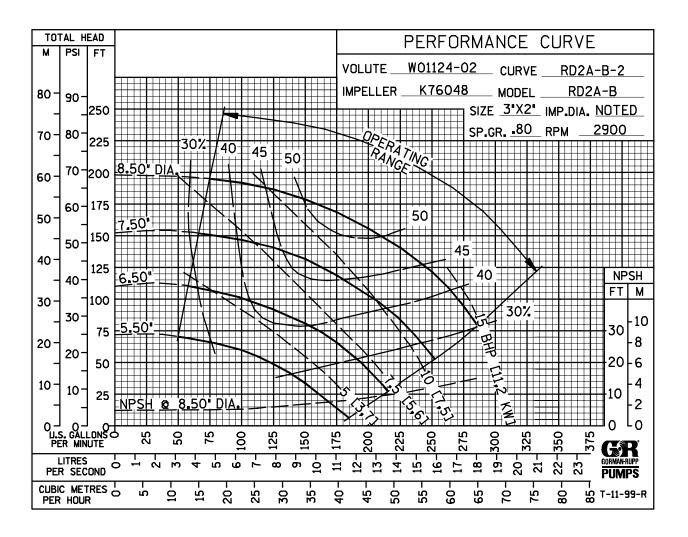
PARTS LIST MANUAL PAGE A – 1

RD SERIES PUMP PL-04015

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PAGE A – 2 PART LIST MANUAL

PL-04015 RD SERIES PUMP

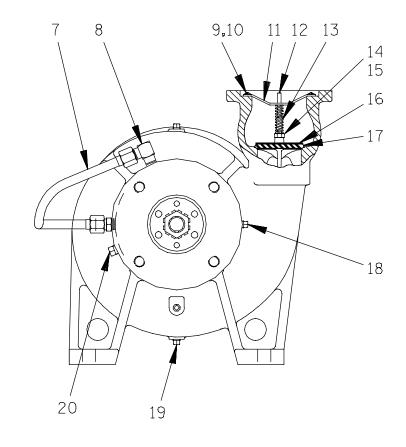


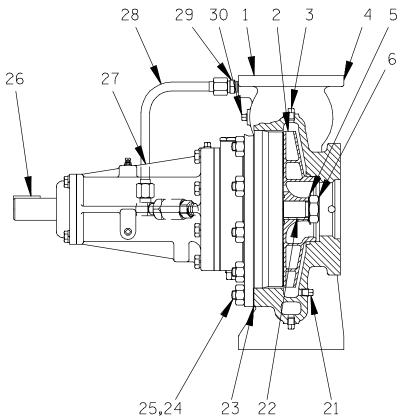
#### Performance Curves - Model RD2A31-B

PARTS LIST MANUAL PAGE A – 3

B RD2A31-B

S/N 1188242 Up PUMP ISSUE 2





# THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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RD2A31-B

**S/N 1188242 Up PUMP ISSUE 2** 

## PARTS LIST Pump Model RD2A31—B

If your pump serial number is followed by an "N", your pump is **NOT** a standard production model. Contact the Gorman-Rupp Company to verify part numbers.

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1 2 * 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	PIPE PLUG DISCHARGE STICKER LOCKWASHER IMPELLER NUT SUCTION TUBE ASSY MALE ELBOW SCREW T-TYPE LOCKWASHER GUIDE VALVE STEM VALVE SPRING HEX NUT T-TYPE LOCKWASHER DISCHARGE VALVE O-RING PIPE PLUG PIPE PLUG PIPE PLUG	W01124-02 38621-730 P02 6588BJ 23962-506 K75775 46335-072 25812-011 CM0401-1/2 AL04 K74251 K74008 K68834 D04 AL04 38345-630 25152-330 P02 P06	13048 15079  15111  15991 17170 15991 15991 17170 13047  15079 15079 15079	1 1 1 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1 1	*	HEX NUT  SHAFT KEY BRG HOUSING ASSY DISCHARGE TUBE ASSY CONNECTOR PIPE PLUG  SHOWN: DISCH CHK VALVE GSKT DISCH FLANGE GASKET SUCTION STICKER NAME PLATE DRIVE SCREW STRAINER LUBE DECAL INSTRUCTION TAG G-R DECAL BEARING TAG ROTATION DECAL	25812-214 P02 11589GA	15991 15990  15079 19060 19060  13990 17000  	12 1 1 1 1 1 1 1 2 1 1 1 1 1
21 22 * 23 * 24	====	P02 K79328-23 R12531 C0807	15079 15990 19060 15991	1 1 1 12	OPTIO	NAL: AIR RELEASE VALVE BRONZE IMPELLER	GRPP52-01 K76048	IA 14150	1

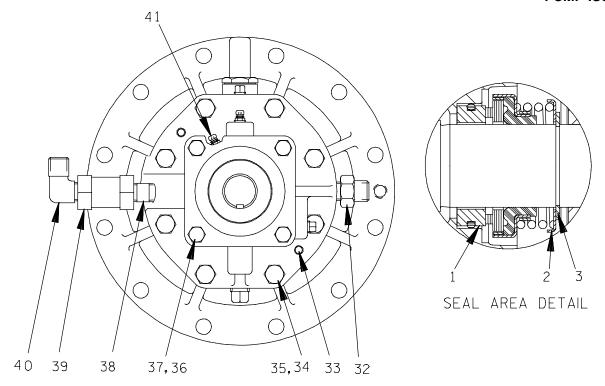
<sup>\*</sup> INDICATES PARTS RECOMMENDED FOR STOCK

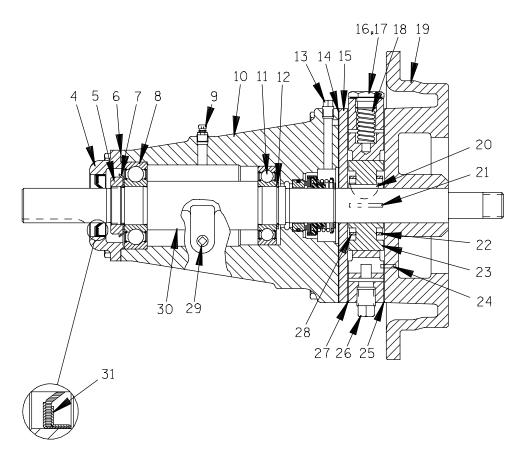
<sup>†</sup> ALL ROTO-PRIME™ IMPELLERS ARE TRIMMED.

<sup>•</sup> SEE ACCOMPANYING LITERATURE FOR INDIVIDUAL PARTS, MAINTENANCE AND REPAIR.

B RD2A31-B

S/N 1188242 Up PUMP ISSUE 2





# THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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RD2A31-B

**S/N 1188242 Up PUMP ISSUE 2** 

PARTS LIST 44143-001 Bearing Housing Assembly

ITEM PART NAME NO.	PART NUMBER	MAT'L CODE	QTY	ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1 * SEAL ASSEMBLY	25271-192		1	27 *	CENTER PLATE GASKE	T N14145	19210	1
<sub>2</sub> * SPRING CTR WASHER	25273-266		1	28	BLADE SPACER	K74031	15030	1
3 SEAL RETAINING RING	S700		1	29	PIPE PLUG	P02	15079	1
4 BEARING CAP	N14130	10010	1	30 ≯	← IMPELLER SHAFT	T07888	15010	1
5 BEARING LOCK NUT	S301		1	31 *	<sup>←</sup> OIL SEAL	25227-230	)	1
6 * BEARING CAP GASKET	K74033	18000	1	32	CONNECTOR	26351-062	2	1
7 TAB WASHER	S302		1	33	DOWEL PIN	21133-073	3	2
8 * OUTBOARD BEARING	23282-008		1	34	HEX HD CAPSCREW	B0612	15991	8
9 AIR VENT	S2162		1	35	LOCKWASHER	J06	15991	8
10 BEARING HOUSING	T02990	11010	1	36	HEX HD CAPSCREW	B0504	15991	4
11 * BALL BEARING	23257-012		1	37	LOCKWASHER	J05	15991	4
12 BEARING RET RING	S248		1	38	CLOSE NIPPLE	T06	15079	1
13 PIPE PLUG	P02	15079	1	39	CHECK VALVE	26641-082	2	1
14 * SPACER PLATE GASKET	N14144	18000	1	40	MALE ELBOW	26351-133	3	1
15 SPACER PLATE	N14129	11010	1	41	AIR VENT	S2162		1
16 PRESS REG SPRING CA	P K68064	15991	1					
17 * SPRING CAP GASKET	K86067		1	OPTIC	DNAL:			
18 * PRESS REG SPRING	K76301		1		SST IMPELLER SHAFT	T07888	17080	1
19 BODY COVER	T07826-02	11010	1		TEFLON SEAL ASSY	25271-743	3	1
20 * ROTOR WOODRUFF KEY	/ K61559	15990	1	•	OIL LUBE BEARING	44143-096	·	1
21 * ROTOR BLADE	K79300-20		6		HOUSING ASSEMBLY			
22 ROTOR BLADE SPACER	K74031	15030	1		-INBOARD BEARING	S310		1
23 GROUP GRIND	42212-013		1		-OUTBOARD BEARING	23275-008	3	1
24 <sup>★</sup> LOCATING PIN	21154-666		1		-OIL CUP	26713-051		1
25 † CENTER PLATE GASKET	N14145	18010	2		GROUP GRIND WITH C.	I. ROTOR		
26 PIPE PLUG	P06	15079	1	I	-C.I. GROUP GRIND	LK05266		1

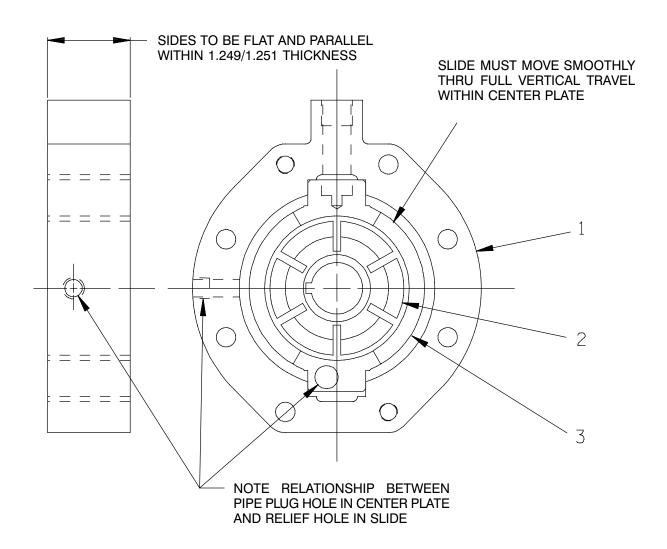
<sup>\*</sup> INDICATES PARTS RECOMMENDED FOR STOCK

 $<sup>\</sup>dagger$  2 GASKETS REQUIRED WHEN ROTOR OR SLIDE IS THICKER THAN CENTER PLATE.

<sup>•</sup> ALL OTHER COMPONENTS SAME AS STANDARD BEARING HOUSING ASSEMBLY.

В **RD2A31-B** 

> S/N 1188242 Up PUMP ISSUE 2



## **PARTS LIST** 42212-013 Group Grind

ITEM NO.	PART NAME	PART NUMBER	MAT'L CODE	QTY
1	CENTER PLATE	NOT AVAILABLE		1
2	ROTOR	NOT AVAILABLE		1
3	SLIDE	NOT AVAILABLE		1

NOTE: THE GROUP GRIND MUST BE REPLACED AS A COMPLETE UNIT: INDIVIDUAL PIECE PARTS ARE NOT SOLD SEPARATELY.

## THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

# For Warranty Information, Please Visit www.grpumps.com/warranty or call:

U.S.: 419-755-1280

Canada: 519-631-2870

International: +1-419-755-1352