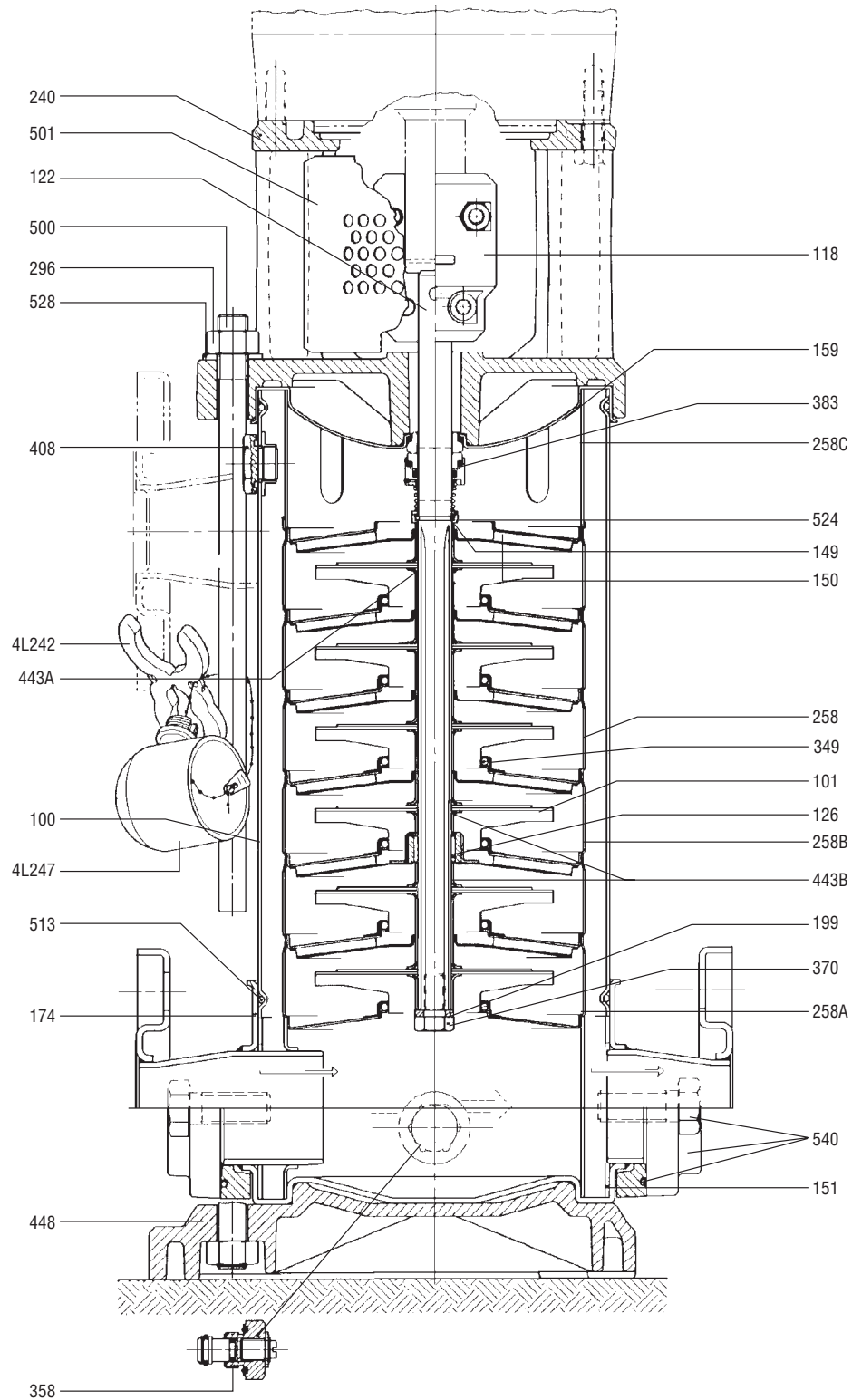


For VM02 Pumps

SUPERSEDES: NEW

EFFECTIVE: August 15, 1995



“VM” VERTICAL MULTISTAGE PUMPS

VM02 PARTS LIST

ITEM NO.	PART NAME	PUMP TYPE	QTY. REQ.	PART NO. PREFIX	PART NO. 2 STG
240	MOTOR ADAPTER	B,C,D	1	1800-	050
501	COUPLING GUARD	B,C,D	2	1800-	051
122	SHAFT ASSEMBLY	B,C	1	1800-	052
	includes 149, 199, 370, 524	D		1800-	352
126	JOURNAL BEARING	B,C,D	SEE 1	1800-	116
100	OUTER PUMP CASING W/ FILL PLUG	B	1	1800-	072
		C		1800-	
		D		1800-	372
151	CASING SPACER	B,C	1	1800-	062
		D	1	1800-	362
513	STANDARD CASING O-RING VITON	B,C,D	2	1800-	023
	OPTIONAL CASING O-RING EPDM	B,C,D	2	1800-	020
174	PUMP BODY	B	1	1800-	101
		C	1	1800-	
		D	1	1800-	301
		V	1	1800-	501
448	BASE PLATE	B,C,D	1	1800-	102
159	SEAL HOUSING	B,C	1	1800-	103
		D	1	1800-	303
383	MECH. SEAL W/ WASHER				
	STANDARD VITON	B,C,D	1	1800-	013
	OPTIONAL EPDM	B,C,D	1	1800-	010
	VITON SEAL KIT INCL. 383,513,199,370	B,C,D	1	1800-	013RP
	EPDM SEAL KIT INCL. 383,513,199,370	B,C,D	1	1800-	010RP
524	SPLIT RING	B,C,D	1	1800-	104
149	SPLIT RING COVER	B,C,D	1	1800-	105
150	FINAL DIFFUSER	B,C	1	1800-	071
		D	1	1800-	371
258	DIFFUSER W/ O-RING	B,C	SEE 1	1800-	070
		D	SEE 1	1800-	370
258A	1ST STAGE DIFFUSER W/ O-RING	B,C	1	1800-	080
		D	1	1800-	380
258B	BOWL W/ BUSHING	B,C	SEE 1	1800-	091
		D	SEE 1	1800-	391
258C	FINAL PUMP STACK SPACER	B,C	1	1800-	090
		D	1	1800-	390
349	STANDARD VITON IMPELLER O-RING	B,C,D	# OF STGS.	1800-	082
	OPTIONAL EPDM IMPELLER O-RING	B,C,D	# OF STGS.	1800-	086
101	IMPELLER	B,C,D	# OF STGS.	1800-	302
443A	IMPELLER SPACER	B,C,D	SEE 2	1800-	392
443B	SMALL IMPELLER SPACER	B,C,D	SEE 1	1800-	393
199	IMPELLER WASHER	B,C,D	1	1800-	394
370	IMPELLER STACK BOLT	B,C,D	1	1800-	395
500	TIE ROD W/ NUTS & WASHER	B,C,D	4	1800-	202
296	TIE ROD NUT	B,C,D	4	1800-	097
528	TIE ROD WASHER	B,C,D	4	1800-	098
540	FLANGE SET COMPLETE	B,C,D		1800-	N/A
118	COUPLING COMPLETE	B,C,D	1	1800-	037
408	VENT PLUG W/ O-RING	B,C,D	1	1800-	306
358	DRAIN PLUG W/ O-RING	B,C,D	1	1800-	307
	PUMP ROTATING ASSEMBLY INCLUDES	B,C	1	1800-	822
	122,126,513,159,383,524,149,258A,B,C,	D	1	1800-	922
	150,349,101,443A,B,199,370,				
	DE-STAGING IMPELLER SPACER	B,C,D	1	1800-	368
	BOWL W/OUT DIFFUSER	B,C,D	1	1800-	369
	MOTOR SPACER SHIM	B,C,D	1	1800-	450
	FILLING FUNNEL	B,C,D	1	1800-	451

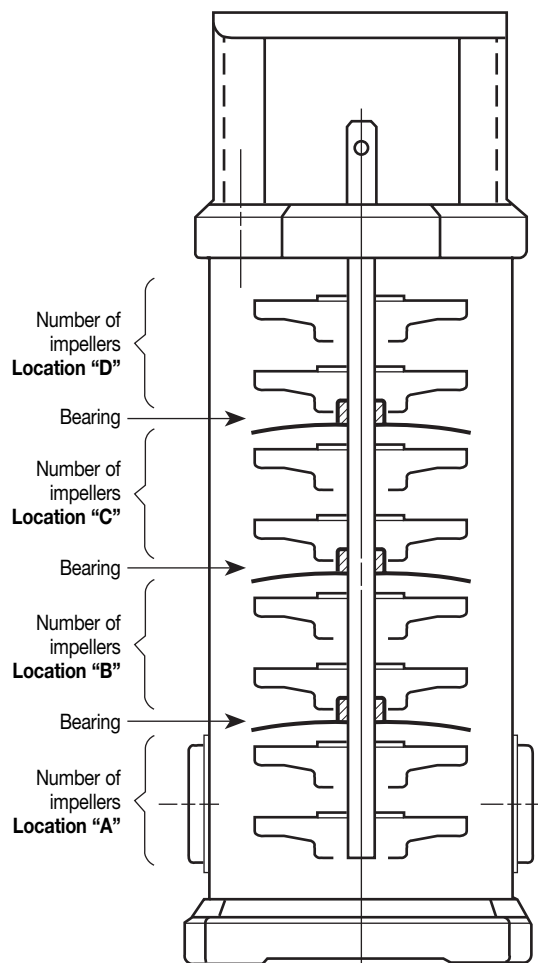
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TABLE 1
IMPELLERS AND INTERMEDIATE BEARINGS LAYOUT

Number of Stages	Number of Bearings	VM01 Number of Impellers in Location			Number of Bearings	VM02 Number of Impellers in Location			Number of Bearings	VM04 Number of Impellers in Location				Number of Bearings	VM06 Number of Impellers in Location		
		A	B	C		A	B	C		A	B	C	D		A	B	C
2	1	1	1		1	1	1		1	1	1			1	1	1	
3	1	1	2		1	1	2		1	1	2			1	1	2	
4	1	2	2		1	2	2		1	2	2			1	2	2	
5	1	2	3		1	2	3		1	2	3			1	2	3	
6	1	2	4		1	2	4										
7	1	2	5		1	2	5		1	2	5			1	2	5	
8	1	2	6		1	2	6		2	2	3	3		2	2	3	3
9	2	2	4	3	2	2	4	3									
10									2	2	4	4		2	2	4	4
11	2	2	5	4	2	2	5	4	2	2	5	4					
13	2	2	6	5	2	2	6	5	3	2	3	4	4				
15	2	2	7	6	2	2	7	6									
16	2	2	7	7													

2. The quantity of Impeller Spacers (item 443A) and diffusers with O-Rings (item 258) is determined by subtracting the number of stages in column 1 of Table 1 with the number of bearings in Column 2 of Table 1 and the first stage diffuser with O-Ring (258A). (# of stages - # of bearings - 1st stage diffuser.)

N/A – Not available to date.



The charts on this page are used to locate the correct bearing position(s) on the impeller stack of the VM series pumps. To use these charts:

1. Locate the number of stages in the left hand column of the above chart which corresponds to the pump you are working on.
2. Follow the selected row across to the pump size (VM01 etc.)
3. Under the "A" location, you will find the number of impellers on the bottom of the stack which come before the first bearing.
4. Under the "B" location, you will find the number of impellers which go above the first bearing and below the second bearing (if there is one).
5. Under the "C" location, you will find the number of impellers which go above the second bearing and below the third bearing (if there is one).
6. Under the "D" location, you will find the number of impellers which go above the third bearing.

