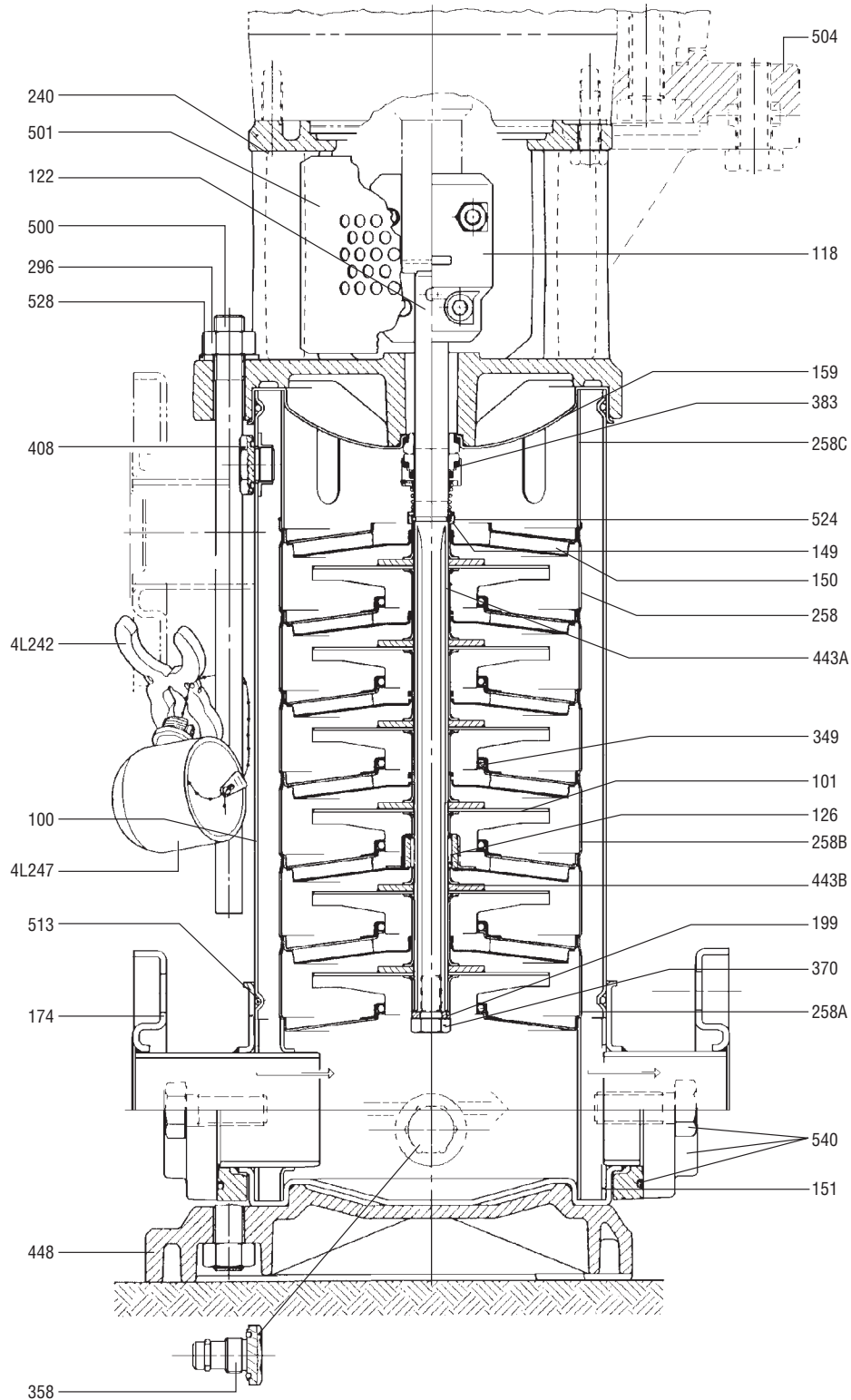


For VM04 Pumps

SUPERSEDES: NEW

EFFECTIVE: August 15, 1995



“VM” VERTICAL MULTISTAGE PUMPS

VM04 PARTS LIST

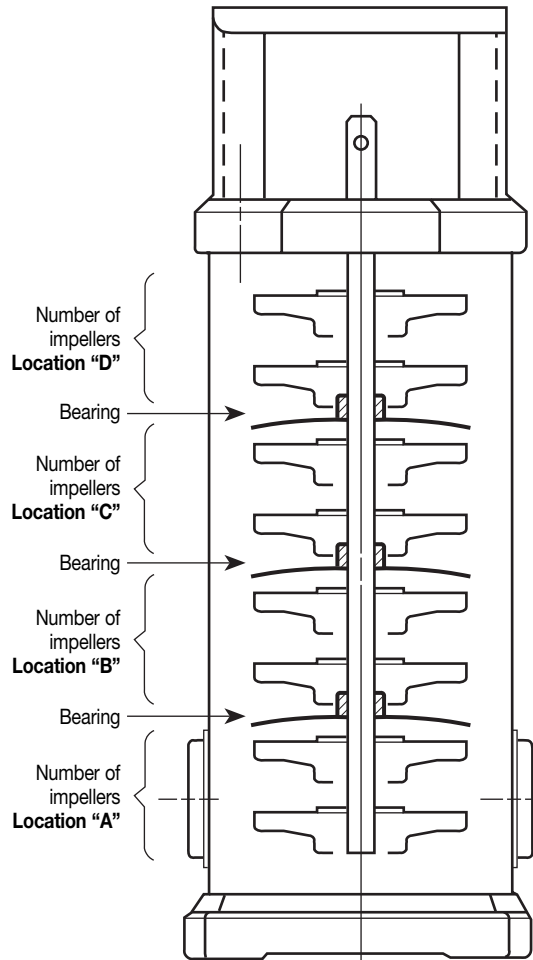
ITEM NO.	PART NAME	PUMP TYPE	QTY. REQ.	PART NO. PREFIX	PART NO. 2 STG
240	MOTOR ADAPTER	B,C,D	1	1800-	110
504	ADAPTER FLANGE	B,C,D	1	1800-	
501	COUPLING GUARD	B,C,D	2	1800-	111
122	SHAFT ASSEMBLY	B,C	1	1800-	122
	includes 149, 199, 370, 524	D	1	1800-	322
126	JOURNAL BEARING	B,C,D	SEE 1	1800-	016
100	OUTER PUMP CASING	B	1	1800-	142
		C		1800-	242
		D		1800-	342
151	CASING SPACER	B,C	1	1800-	112
		D	1	1800-	312
513	OUTER CASING O-RING EPDM	B,C,D	2	1800-	021
	OUTER CASING O-RING VITON	B,C,D	2	1800-	024
174	PUMP BODY	B	1	1800-	115
		C		1800-	
		D		1800-	315
		V		1800-	515
448	BASE PLATE	B,C,D	1	1800-	114
159	SEAL HOUSING	B,C	1	1800-	116
		D	1	1800-	316
383	MECH. SEAL W/ WASHER				
	STANDARD VITON	B,C,D	1	1800-	014
	OPTIONAL EPDM	B,C,D	1	1800-	011
	VITON SEAL KIT INCL. 383,513,199,370	B,C,D	1	1800-	014RP
	EPDM SEAL KIT INCL. 383,513,199,370	B,C,D	1	1800-	011RP
524	SPLIT RING	B,C,D	1	1800-	117
149	SPLIT RING COVER	B,C,D	1	1800-	118
150	FINAL DIFFUSER	B,C	1	1800-	120
		D	1	1800	320
258	DIFFUSER W/ O-RING	B,C		1800-	221
		D		1800-	321
258A	1ST STAGE DIFFUSER W/ O-RING	B,C	1	1800-	222
		D		1800-	322
258B	BOWL W/ BUSHING	B,C	SEE 1	1800-	223
		D	SEE 1	1800-	333
258C	FINAL SPACER	B,C	1	1800-	119
		D	2	1800-	319
349	IMPELLER O-RING VITON	B,C,D	# OF STGS.	1800-	617
	IMPELLER O-RING EPDM	B,C,D	# OF STGS.	1800-	618
101	IMPELLER	B,C,D	# OF STGS.	1800-	335
443A	IMPELLER SPACER	B,C,D	SEE 2	1800-	337
443B	SMALL IMPELLER SPACER	B,C,D	SEE 1	1800-	338
199	IMPELLER WASHER	B,C,D	1	1800-	339
370	IMPELLER STACK BOLT	B,C,D	1	1800-	340
500	TIE ROD W/ NUTS & WASHER	B,C,D	4	1800-	422
296	TIE ROD NUT	B,C,D	4	1800-	141
528	TIE ROD WASHER	B,C,D	4	1800-	421
540	FLANGE SET COMPLETE	B,C,D	1	1800-	N/A
118	COUPLING COMPLETE	ODP	1	1800-	117
		TEFC		1800-	117
408	VENT PLUG W/ O-RING	B,C,D	1	1800-	355
358	DRAIN PLUG W/ O-RING	B,C,D	1	1800-	356
	PUMP ROTATING ASSEMBLY INCLUDES	B,C	1	1800-	842
	122,126,513,159,383,524,149,258A,258B, 258C,150,349,101,443A,443B,199,370,	D	1	1800-	942
	DE-STAGING IMPELLER SPACER	B,C,D	1	1800-	453
	BOWL W/OUT DIFFUSER	B,C,D	1	1800-	454
	MOTOR SPACER SHIM	B,C,D	1	1800-	450
	FILLING FUNNEL	B,C,D	1	1800-	451

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.

