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Commercial Water

Goulds Pumps

SSV G&L Series Repair Parts

GOULDS PUMPS

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1 – 4SV PRODUCT LINE NUMBERING SYSTEM

The various versions of the SSV line are identified by a product code number on the pump label. The number is also the catalog number for the pump. The meaning of each digit in the product code is shown below.

2 SV A 1 D 2 B 0 H

OPTIONS
H = Horizontal Mounting AQ = Staging for Aquavar Units
Vic = Victaulic Connections

MECHANICAL SEAL OPTIONS

Code No.	Rotary	Stationary	Elasto-mers	1SV		2SV		3SV		4SV		5SV / 6SV	
				60 Hz (2-16 stg.)	60 Hz (18-22 stg.)	60 Hz (2-15 stg.)	60 Hz (16-22 stg.)	60 Hz (2-13 stg.)	60 Hz (14-16 stg.)	60 Hz (2-10 stg.)	60 Hz (12 stg.)	60 Hz (all)	DPS (all)
				50 Hz. (all)	DPS (all)	50 Hz. (all)	DPS (all)	50 Hz. (all)	DPS (all)	50 Hz. (all)	DPS (all)	50 Hz. (all)	
0	High Temp Carbon	Silicon Carbide	Viton	10K93	10K113	10K93	10K113	10K94	10K114	10K94	10K114	10K95	10K95
2	Silicon Carbide		EPR	10K140	10K176	10K140	10K176	10K146	10K177	10K146	10K177	10K147	10K147
4	Silicon Carbide		Viton	10K99	10K178	10K99	10K178	10K100	10K179	10K100	10K179	10K101	10K101
6	High Temp Carbon		EPR	10K96	10K115	10K96	10K115	10K97	10K116	10K97	10K116	10K98	10K98

NUMBER OF STAGES

F = 6	L = 11	R = 16	Z = 24
B = 2	G = 7	M = 12	S = 17
C = 3	H = 8	N = 13	T = 18
D = 4	J = 9	P = 14	V = 20
E = 5	K = 10	Q = 15	X = 22

DRIVER

1 = 1PH, ODP	4 = 1 PH, TEFC	7 = 3 PH, XP	0 = 1 PH, XP
2 = 3 PH, ODP	5 = 3 PH, TEFC	8 = 575 V, XP	
3 = 575 V, ODP	6 = 575 V, TEFC	9 = 3 PH, TEFC Premium Efficiency	

HP RATING

C = ½ HP	F = 1½ HP	J = 5 HP	M = 15 HP
D = ¾ HP	G = 2 HP	K = 7½ HP	N = 20 HP
E = 1 HP	H = 3 HP	L = 10 HP	P = 25 HP

HERTZ/RPM

1 = 60 HZ, 3450 RPM, 2 pole	5 = 60 HZ, 3500 RPM, 220-380V, D.O.L.
2 = 60 HZ, 2900 RPM, 2 pole	6 = 60 HZ, 3500 RPM, 380V, V-Delta
3 = 60 HZ, 3500 RPM, 380V	7 = 60 HZ, 1750 RPM, 208-230/460V
4 = 50 HZ, 2900 RPM, 460V	

MATERIAL AND SUCTION/DISCHARGE
A = 304 Stainless Steel, in-line NPT threaded oval flange connections (1–3 SV only)
B = 304 Stainless Steel, in-line ANSI flange
C = 304 Stainless Steel, top/bottom ANSI flange connections
D = 316 Stainless Steel, in-line ANSI flange

PRODUCT LINE
Stainless Steel Vertical

NOMINAL FLOW

1 = 15 GPM	3 = 55 GPM
2 = 28 GPM	4 = 86 GPM

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33 – 92SV PRODUCT LINE NUMBERING SYSTEM

The various versions of the SSV line are identified by a product code number on the pump label. This number is also the catalog number for the pump. The meaning of each digit in the product code number is shown below.
Note: Not all combinations are possible. Consult your G&L distributor.

EXAMPLE PRODUCT CODE

33 SV B G 1 2 R 6 T A H

Pump Options (optional):
H = Horizontal mounting
Q= 1.0 Service Factor Version (AQ)
D = High Pressure Pump (> 25 bar)

Seal Options:

	Code No.	Rotary	Stationary	Elastomers	Part Number 33SV	46SV	66SV	92SV
Mechanical Seal	A	Silicon Carbide	Carbon	Viton	10L38			
	B			EPR	10L40			
	C		SiliconCarbide	Viton	10L39			
	D			EPR	10L37			
Cartridge Seal	L		Carbon	Viton	10K163			
	P		Silicon Carbide	EPR	10K166			

Motor Enclosure:
D = ODP
T = TEFC
X = Explosion Proof
P = TEFC Premium Effy

Motor Voltage:
1 = 115/230
2 = 230 only
3 = 230/460
4 = 460 only
5 = 575
6 = 208-230/460
7 = 200
8 = 190/380

HP Rating:
G = 2 HP
H = 3 HP
J = 5 HP
K = 7½ HP
L = 10 HP
M = 15 HP
N = 20 HP
P = 25 HP
Q = 30 HP
R = 40 HP
S = 50 HP
T = 60 HP
U = 75 HP

Motor Hertz/Speed/Phase:
1 = 60 Hz/3500/1
2 = 60 Hz/3500/3
3 = 60 Hz/1750/1
4 = 60 Hz/1750/3
5 = 50 Hz/2900/1
6 = 50 Hz/2900/3
7 = 50 Hz/1450/1
8 = 50 Hz/1450/3
9 = 60 Hz/Variable/3

Number of Reduced Diameter Impellers (0, 1, 2)

Bowls/Stages:
A = 1
B = 2
C = 3
D = 4
E = 5
F = 6
G = 7
H = 8
J = 9
K = 10

Flange Orientation:
B = Cast Iron/316 stainless steel, in-line ANSI flange
D = 316 stainless steel, in-line ANSI flange

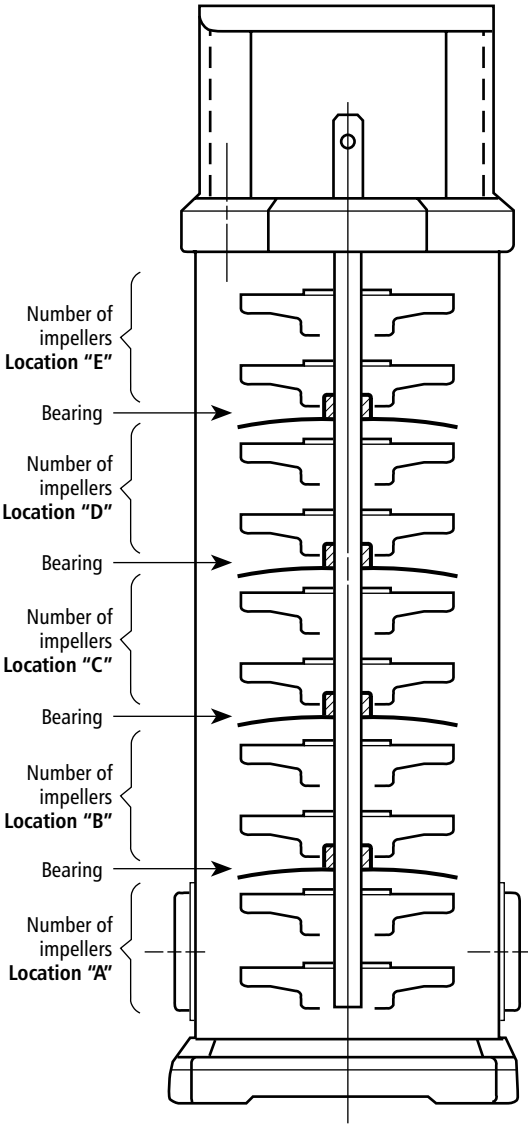
Product Line:
Stainless Vertical Multi-Stage

Nominal Flow:
33 = 150 GPM
46 = 225 GPM
66 = 350 GPM
92 = 450 GPM

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1 – 4SV IMPELLERS AND INTERMEDIATE BEARINGS LAYOUT

Number of Stages	Number of Bearings	1SV Number of Impellers in Location					Number of Bearings	2SV Number of Impellers in Location					Number of Bearings	3SV Number of Impellers in Location				Number of Bearings	4SV Number of Impellers in Location			
		A	B	C	D	E		A	B	C	D	E		A	B	C	D		A	B	C	D
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	1		
4	1	2	2				1	2	2				1	2	2			1	1	1		
5	1	2	3				1	2	3				1	2	3			1	1	1		
6	1	2	4				1	2	4				1	2	4			1	1	1		
7	1	2	5				1	2	5				1	2	5			1	1	1		
8	1	2	6				1	2	6				2	2	3	3		2	2	3	3	
9	2	2	4	3			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						
12	2	2	5	5									2	2	5	5		2	2	5	5	
13	2	2	6	5			2	2	6	5			3	2	3	4	4					
14	2	2	6	6			2	6	6	6			3	2	4	4	4	3	2	4	4	4
15	2	2	7	6			2	2	7	6								3	2	4	4	5
16	2	2	7	7			2	2	7	7			3	2	4	5	5					
18	3	2	5	6	5		3	2	5	6	5											
20	3	2	6	6	6		3	2	6	6	6											
22	4	7	5	5	5	5	4	2	5	5	5	5										
24	4	2	6	6	5	5	4	2	6	6	5	5										

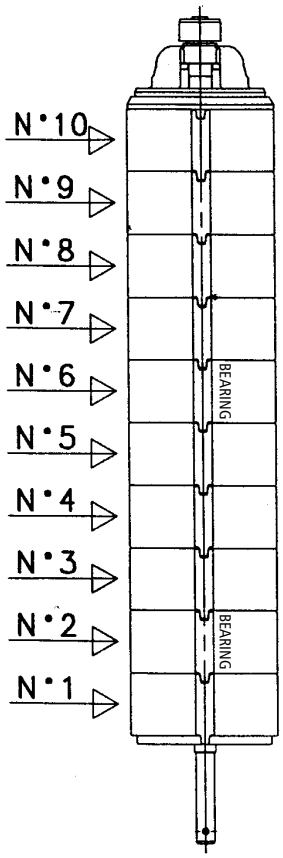


The chart on this page is used to locate the correct bearing position(s) on the impeller stack of the SSV series pumps. To use this chart:

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 (1SV 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.
6. Under the "E" location, you will find the number of impellers which go above the third bearing.

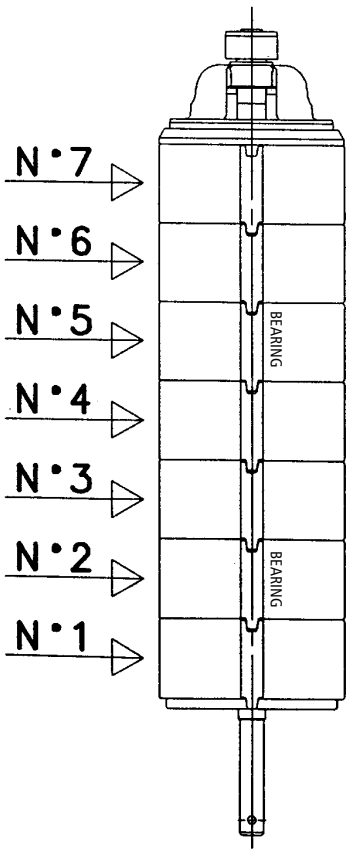
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BEARINGS POSITION



SV 33 – 46

Number of Stages	Bearing Position	Number of Diffuser with Bearing
1		
2		
3		
4		
5	N•2	
6	N•2	
7	N•3	1
8	N•4	
9	N•5	
10	N•2 and N•6	2



SV 66 – 92

Number of Stages	Bearing Position	Number of Diffuser with Bearing
1		
2		
3		
4	N•2	
5	N•2	1
6	N•3	

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COUPLING TABLE

Item No.	Pump Size			Number of Stages																	
				2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18	20	22	24
118	1SV	60 Hz	TEFC	4L188									4L188		4L189			4L189				
			ODP																			
		50 Hz	TEFC													4L188						
			ODP																			
	2SV	60 Hz	TEFC	4L188									4L189		4L189		4L189					
			ODP																			
		50 Hz	TEFC										4L188					4L189				
			ODP																			
	3SV	60 Hz	TEFC	4L190			4L191				4L192			4L193								
			ODP																			
		50 Hz	TEFC													4L192		4L192				
			ODP															4L193				
	4SV	60 Hz	TEFC	4L191			4L192				4L193											
			ODP																			
		50 Hz	TEFC							4L193				4L193		4L193						
			ODP																			
	5SV (obsolete)	60 Hz	TEFC	4L312			4L313			4L314												
			ODP																			
		50 Hz	TEFC										4L314									
			ODP																			
	6SV (obsolete)	60 Hz	TEFC	4L312		4L313			4L314													
			ODP																			
		50 Hz	TEFC																			
			ODP																			

	56C	180TC	210TC	250TC	280TC	320TSC	360TSC
1SV	4L188	4L189					
2SV							
3SV	4L190	4L191	4L192	4L193			
4SV							
5SV			4L312	4L313	4L314		
6SV							
33SV		4L553	4L554	4L555	4L556		
46SV							
66SV							
92SV							

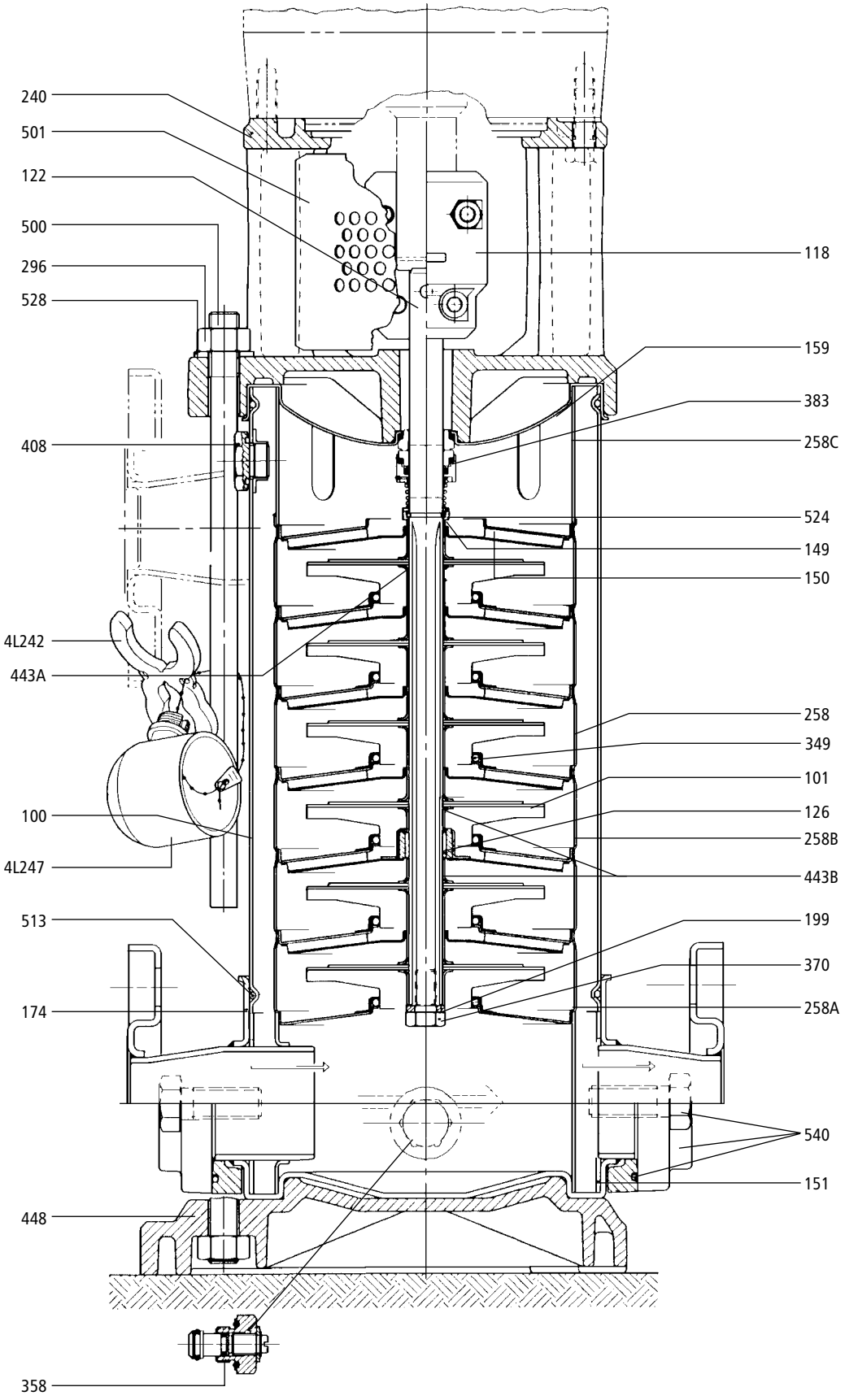
COUPLING PIN SUPPLIED WITH COUPLING COMPLETE AND SHAFT ASSEMBLY

Size	Pin Repair Part Number
1SV	4L170
2SV	
3SV	4L171
4SV	
33SV	4L83
46SV	
66SV	
92SV	

COUPLING GUARD (COMPLETE WITH HARDWARE)

Pump	Motor Frame				
	56C	180TCH	180TC	210TC - 250TC	280TC
1SV	4L450				
2SV					
3SV	4L451		4L450	4L452	
4SV		4L451			
33-92SV		4L515			

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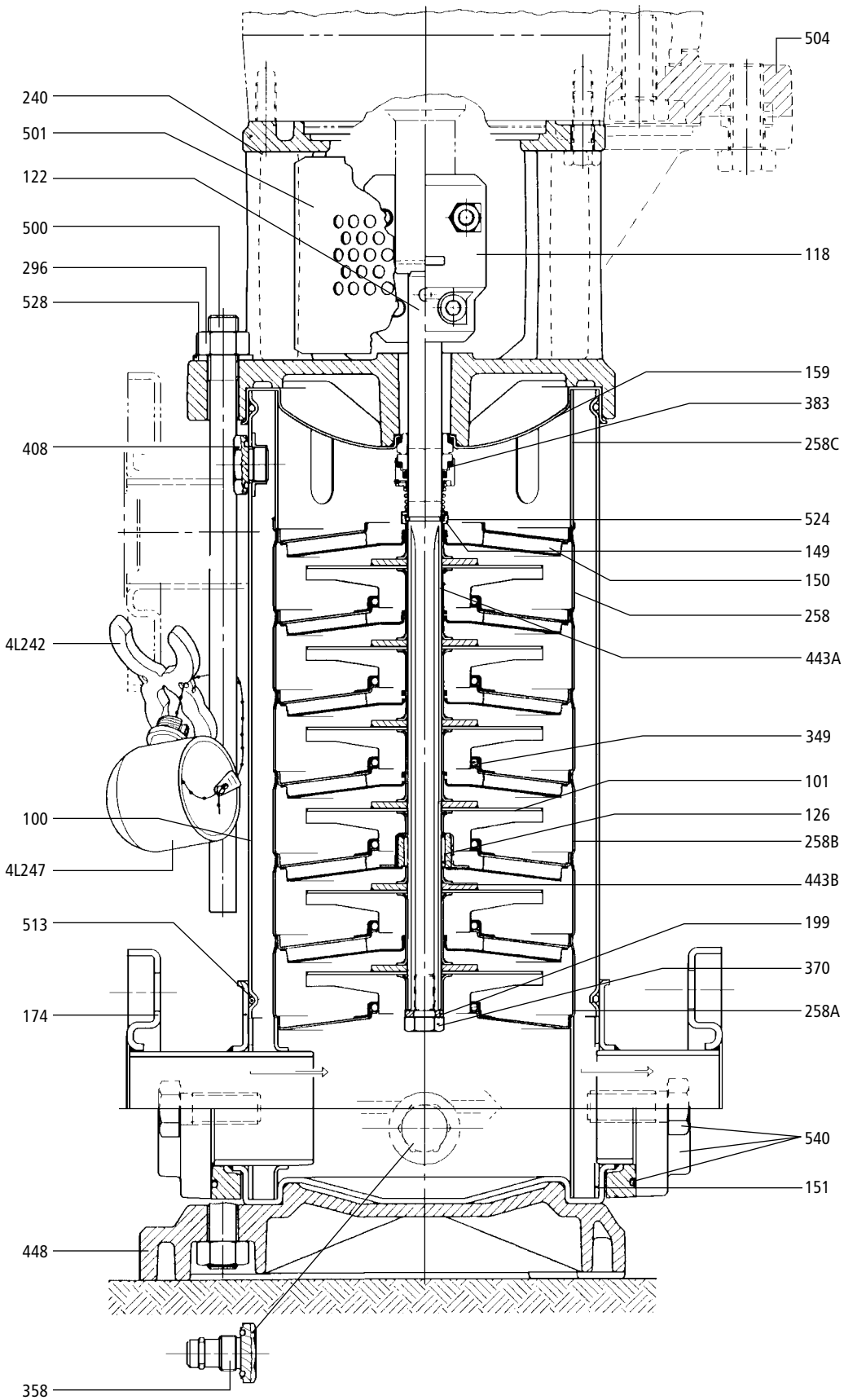
1SV AND 2SV

Item No.	Part Name	Pump	Standard Staging - 50 Hz and 60 Hz (*50 Hz only) Number of Stages																		Reverse Stack sizes (60 Hz only) Number of Stages			
			1SV	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	18*	20*	22*	24*		18	20	22
			2SV	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16*	18*	20*	22*	24*	16	18	20	22
240	Motor adapter		See motor adapter chart page 17																							
501	Coupling guard		See coupling guard chart page 7																							
122	Shaft assembly includes items 149,199,370,524 and coupling pin	Type A	4L206	4L207	4L208	4L209	4L210	4L211	4L212	4L213	4L214	4L215	4L215	4L216	4L216	4L217										
		Type B	4L206	4L207	4L208	4L209	4L210	4L211	4L212	4L213	4L214	4L215	4L215	4L216	4L216	4L217	4L431	4L432	4L433	4L434	4L217	4L431	4L432	4L433
		Type C				4L209	4L210	4L211	4L212	4L213	4L214	4L215	4L215	4L216	4L216	4L217	4L431	4L432	4L433					
		Type D	4L218	4L219	4L220	4L221	4L222	4L223	4L224	4L225	4L226	4L227	4L227	4L228	4L228	4L272	4L435	4L436	4L437	4L438	4L272	4L435	4L436	4L437
126	Shaft sleeve		4L180																							
100	Casing with fill plug	Type A	1L344	1L345	1L346	1L347	1L348	1L349	1L350	1L351	1L387	1L353	1L353	1L354	1L354	1L367										
		Type B	1L344	1L345	1L346	1L347	1L348	1L349	1L350	1L351	1L387	1L353	1L353	1L354	1L354	1L367	1L355	1L504	1L505	1L506	1L367	1L355	1L504	1L505
		Type C				1L368	1L369	1L370	1L371	1L372	1L373	1L374	1L374	1L375	1L375	1L352	1L652	1L653	1L654					
		Type D	1L356	1L357	1L358	1L359	1L360	1L361	1L362	1L363	1L364	1L365	1L365	1L366	1L366	1L390	1L507	1L508	1L509	1L510	1L390	1L507	1L508	1L509
151	Casing spacer	Type A	4L172																							
		Type B	4L172																							
		Type C				4L172																				
		Type D	4L250																							
513	O-ring casing		5L93 Viton (quantity 2) 5L88 EPR (quantity 2)																							
174	Pump body includes item 151	Type A	1L338																							
		Type B	1L340																							
		Type C[1]				1L342																				
		Type D	1L388																							
		Victaulic	1L500																				1L449			
448	Base plate	Type A	1L379																							
		Type B	1L380																							
		Type C				1L380																				
		Type D	1L380																							
		Victaulic	1L379																							
159	Seal housing	Type A	1L377																							
		Type B	1L377																							
		Type C				1L377																				
		Type D	1L416																							
383	Mechanical seal with washer		See mechanical seal option on page 3																							
524	Split ring		4L245																							
149	Split ring cover		4L243																							
258C	Final spacer	Type A	4L174																							
		Type B	4L174																							
		Type C				4L174																				
		Type D	4L248																							
150	Final flange diffuser	Type A					3L26								3L26		3L26									
		Type B					3L26								3L26			3L26								
		Type C					3L26								3L26			3L26								
		Type D					3L28								3L28			3L28								
	Final flange without diffuser	Type A											4L199			4L199										
		Type B											4L199			4L199							4L199			
		Type C											4L199			4L199										
		Type D											4L422			4L422							4L422			
—	Spacer sleeve, blank stage	Type A											4L198			4L198										
		Type B											4L198			4L198										
		Type C											4L198			4L198										
		Type D											4L198			4L198										
—	Initial spacer	Type A																								
		Type B																					4L448			
		Type C																								
		Type D																					4L448			
258A	1st stage bowl with o-ring (Viton)	Type A	7L354																							
		Type B	7L354																							
		Type C				7L354																				
		Type D	7L363																							
258B	Bowl with bearing and o-ring (Viton)	Type A	7L351																							
		Type B	7L351																							
		Type C				7L351																				
		Type D	7L360																							
258	Bowl with o-ring (Viton)	Type A	7L348																							
		Type B	7L348																							
		Type C				7L348																				
		Type D	7L357																							
349	O-ring (impeller)		5L90 (Viton) 5L83 (EPR)																							
101	Impeller		1SV = 2L160 2SV = 2L170																							
443A	Impeller spacer		4L177																							
443B	Impeller spacer (intermediate)		4L176																							
199	Impeller washer (spacer)		13L105																				4L449			
370	Impeller screw		13L95																							
500	Tie rod with nuts and washers		4L230	4L231	4L232	4L233	4L234	4L235	4L236	4L237	4L238	4L239	4L239	4L240	4L240	4L273	4L322	4L323	4L324	4L325	4L273	4L322	4L323	4L324
296	Nut, tie rod		13L98																							
528	Washer, tie rod		13L100																							
540	Oval flange assembly		1SV = 4L185 2SV = 4L186																							
118	Coupling assembly		See coupling table on page 5																							
408	Fill plug with o-ring		6L19 Viton 6L25 EPR																							
358	Drain plug with o-ring		6L17 Viton 6L23 EPR																							
—	Shim, coupling		4L242																							
—	Fill funnel		4L247																							

NOTE: Stages 18-24 are available in 50 Hz and reverse stack orientation for 60 Hz applications.

[1]Suction body only.

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157 Stage spacer is not shown.
Used on 6, 9 and 12 stage units.

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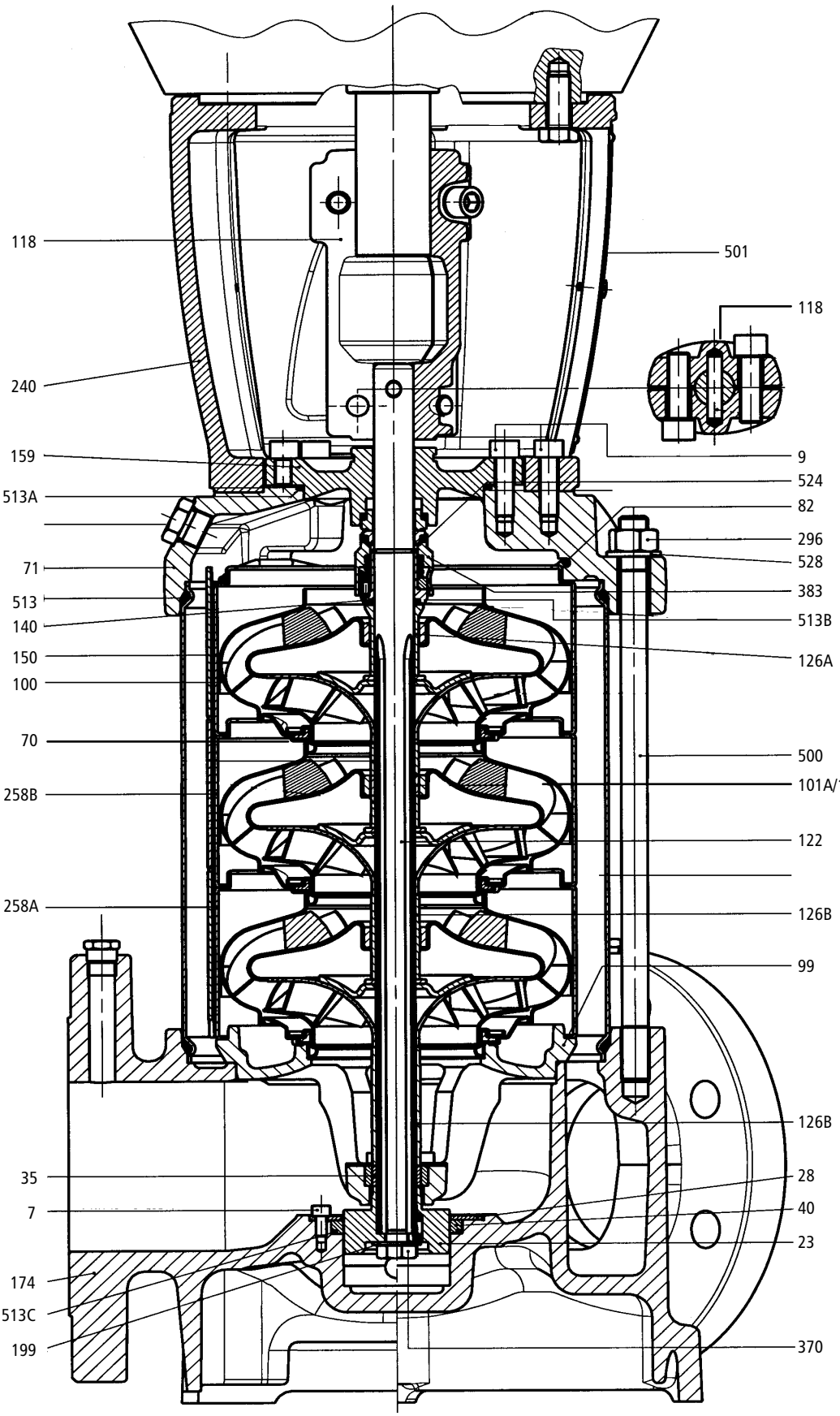
3SV AND 4SV

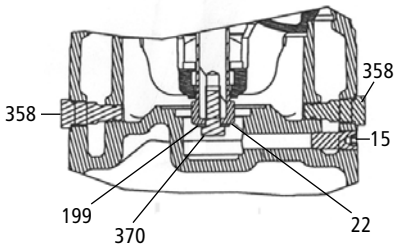
Item No.	Part Name	Pump	Standard Staging - 50 Hz and 60 Hz (*50 Hz only) Number of Stages																Reverse Stack (60 Hz only) Number of Stages		
			3SV	2	3	4	5	6	7	8	9		11	12	13	14*		16*		14	16
			4SV	2	3	4	5	6	7	8	9	10		12*		14*	15*		12		
240	Motor adapter		See motor adapter chart page 17																		
501	Coupling guard		See coupling guard chart page 7																		
122	Shaft assembly includes items 149,199,370,524 and coupling pin	Type A[2]	4L254	4L255	4L256	4L257	4L258	4L258	4L259	4L260	4L260	4L261									
		Type B	4L254	4L255	4L256	4L257	4L258	4L258	4L259	4L260	4L260	4L261	4L262	4L262	4L439	4L442	4L442	4L262	4L439	4L440	
		Type C			4L256	4L257	4L258	4L258	4L259	4L260	4L260	4L261	4L262	4L262							
		Type D	4L263	4L264	4L265	4L266	4L267	4L267	4L268	4L269	4L269	4L270	4L271	4L271	4L441	4L442	4L442	4L271	4L441	4L442	
126	Shaft sleeve		4L181																		
100	Casing with fill plug	Type A[2]	1L391	1L392	1L393	1L394	1L395	1L395	1L396	1L397	1L397	1L398									
		Type B	1L391	1L392	1L393	1L394	1L395	1L395	1L396	1L397	1L397	1L398	1L399	1L399	1L515	1L518	1L518	1L399	1L515	1L518	
		Type C			1L409	1L410	1L411	1L411	1L412	1L413	1L413	1L414	1L415	1L415							
		Type D	1L400	1L401	1L402	1L403	1L404	1L404	1L405	1L406	1L406	1L407	1L408	1L408	1L517	1L518	1L518	1L408	1L517	1L518	
151	Casing spacer	Type A[2]	4L173																		
		Type B	4L173																		
		Type C		4L173																	
		Type D	4L251																		
513	O-ring casing		5L94 Viton 5L89 EPR																		
174	Pump body includes item 151	Type A[2]	1L339																		
		Type B	1L341																		
		Type C[1]		1L343																	
		Type D	1L389																		
		Victaulic	1L501																1L480		
448	Base plate	Type A[2]	1L381																		
		Type B	1L382																		
		Type C		1L382																	
		Type D	1L382																		
		Victaulic	1L382																		
159	Seal housing	Type A[2]		1L378																	
		Type B	1L378																		
		Type C	1L378																		
		Type D	1L417																		
383	Mechanical seal with washer		See mechanical seal option table on page 3																		
524	Split ring		4L246																		
149	Split ring cover		4L244																		
258C	Final spacer	Type A[2]	4L175																		
		Type B	4L175																		
		Type C		4L175																	
		Type D	4L249																		
150	Final flange diffuser	Type A[2]		3L27				3L27			3L27			3L27							
		Type B		3L27				3L27			3L27			3L27							
		Type C		3L27				3L27			3L27			3L27							
		Type D		3L29				3L29			3L29			3L29							
	Final flange without diffuser	Type A[2]					4L200			4L200			4L200						4L200		
		Type B					4L200			4L200			4L200						4L200		
		Type C					4L200			4L200			4L200						4L200		
		Type D					4L355			4L355			4L355						4L355		
—	Spacer sleeve, blank stage	Type A[2]					4L252			4L252			4L252						4L252		
		Type B					4L252			4L252			4L252						4L252		
		Type C					4L252			4L252			4L252						4L252		
		Type D					4L252			4L252			4L252						4L252		
—	Initial spacer	Type A[2]																			
		Type B																	4L459		
		Type C																			
		Type D																	4L460		
258A	1st stage bowl with o-ring (Viton)	Type A[2]			7L355																
		Type B	3SV = 7L355 4SV = 7L356																		
		Type C			3SV = 7L355 4SV = 7L356																
		Type D	3SV = 7L364 4SV = 7L365																		
258B	Bowl with bearing and o-ring (Viton)	Type A[2]			7L352																
		Type B	3SV = 7L352 4SV = 7L353																		
		Type C			3SV = 7L352 4SV = 7L353																
		Type D	3SV = 7L361 4SV = 7L362																		
258	Bowl with o-ring (Viton)	Type A[2]			7L349																
		Type B	3SV = 7L349 4SV = 7L350																		
		Type C			3SV = 7L349 4SV = 7L350																
		Type D	3SV = 7L358 4SV = 7L359																		
349	O-ring (impeller)		3SV = 5L91 (Viton) 3SV = 5L84 (EPR) 4SV = 5L92 (Viton) 4SV = 5L85																		
101	Impeller		3SV = 2L180 4SV = 2L190																		
443A	Impeller spacer		4L178																		
443B	Impeller spacer (intermediate)		4L179																		
199	Impeller washer (spacer)		13L106																4L460		
370	Impeller screw		13L96																		
500	Tie rod with nuts and washers		4L274	4L275	4L276	4L277	4L278	4L278	4L279	4L280	4L280	4L281	4L282	4L282	4L326	4L327	4L327	4L282	4L326	4L327	
296	Nut, tie rod		13L99																		
528	Washer, tie rod		13L101																		
540	Oval flange assembly (3SVA only)		4L187																		
118	Coupling assembly		See coupling assembly chart on page 5																		
408	Fill plug with o-ring		6L19 Viton 6L25 EPR																		
358	Drain plug with o-ring		6L18 Viton 6L24 EPR																		
—	Shim, coupling		4L242																		
—	Fill funnel		4L247																		

NOTE: Stages 18-24 are available in 50 Hz and reverse stack orientation for 60 Hz applications.

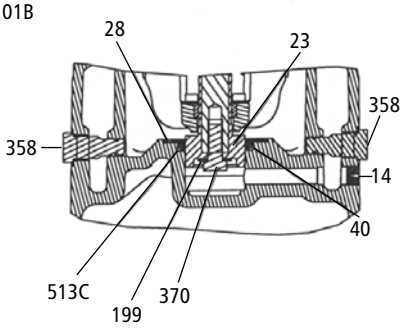
[1]Suction body only. [2]For use with 3SV only.

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LESS PISTON (74A)



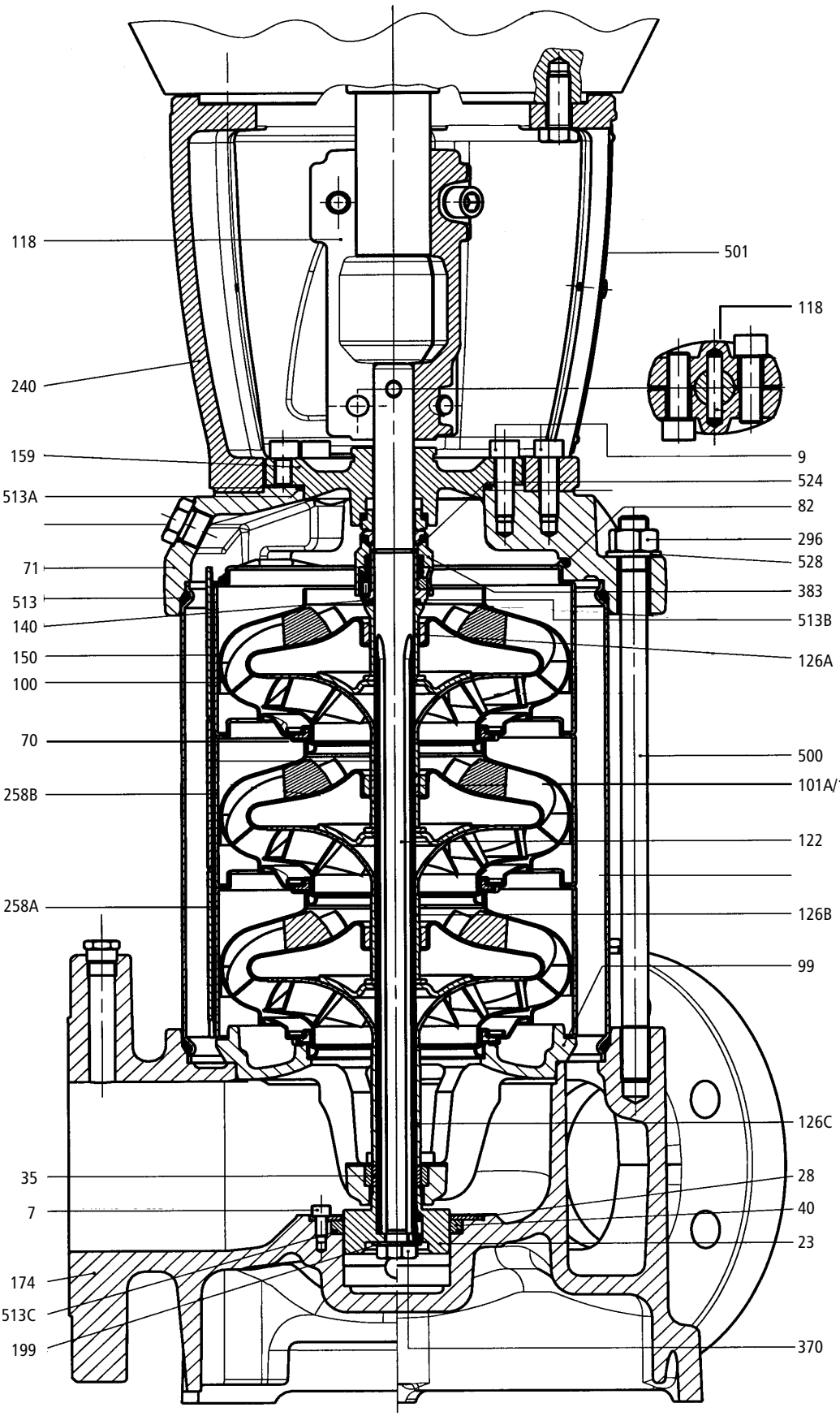
WITH PISTON (74)

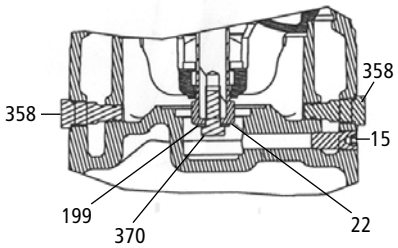
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33SV AND 46SV

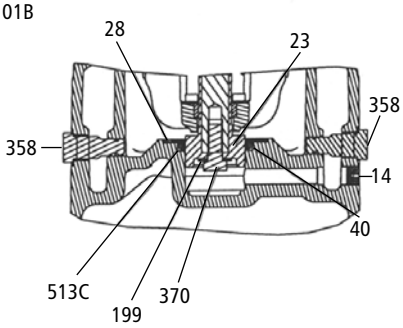
Item No.	Part Name		Material	33SV Number of Stages										46SV Number of Stages									
				1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10
174	Pump body	Class 125	Cast iron	1L640										1L640									
		Class 150	SS	1L634										1L636									
		Class 250	Cast iron	1L641										1L643									
		Class 300	SS	1L635										1L637									
71	Pump head		Cast iron	1L632																			
			SS	1L630																			
	O-ring, kit – EPDM			5K374										5K375									
513A	O-ring, seal hsg.		EPDM	5K367																			
513B	O-ring, mech. seal sleeve			5K365																			
513	O-ring, casing			5L46 (qty. 2)																			
513C	O-ring, piston			5K248										5K361									
	O-ring, kit – Viton			5K376										5K377									
513A	O-ring, seal hsg.		Viton	5K368																			
513B	O-ring, mech. seal sleeve			5K366																			
513	O-ring, casing			5L42 (qty. 2)																			
513C	O-ring, piston			5L90										5K362									
159	Seal housing		Cast iron	1L629																			
			SS	1L628																			
383	Mechanical seal			See optional seal table on page 4																			
	Screw, seal housing		Zinc plated	13L127 (qty. 4)																			
	Plug, vent with o-ring		EPDM	6L49																			
			Viton	6L53																			
	Plug, fill with o-ring		EPDM	6L48																			
			Viton	6L52																			
358	Plug, drain with o-ring		EPDM	6L50 (qty. 2)																			
			Viton	6L54 (qty. 2)																			
370	Bolt, impeller		316SS	13L109																			
199	Washer, impeller		316SS	13L129																			
126A	Spacer, final		316SS	4L509																			
126B	Spacer, impeller		316SS	4L511																			
140	Sleeve, mechanical seal shaft		316SS	4L531																			
524	Stop ring, impeller		316SS	4L550																			
82	Spring, diffuser		316SS	4L551																			
150	Diffuser, final stage		316LSS	3L42																			
258A	Diffuser, carbon bearing		316LSS	3L44										3L45									
	Diffuser, tungsten carbide		316LSS	3L48										3L49									
258B	Spacer, shaft bushing		316SS	4L510 (qty. 2)																			
	Bearing		Tung. carb.	4L514																			
70	Wear ring, impeller/diffuser (qty. 5)		316LSS / PPS	15L47										15L48									
99	Lower bracket assembly		Cast iron	15L39										15L40									
			SS	15L35										15L36									
74	Thrust piston assembly			15K51										15K52									
	23 – piston		Duplex SS	4L494										4L495									
	40 – Piston seal		Impregnated carbon	4L547										4L548									
	28 – Retaining plate		316SS	4L506										4L507									
	513C – O-ring viton, piston		Viton	5L90										5K362									
	513C – O-ring EPDM, piston		EPDM	5K248										5K361									
	14 – Plug		316SS	6L47																			
	7 – Hex cap screws		316SS	13L114 (qty. 3)																			
	35 – Bearing		Tung. carb.	4L514																			
74A	Non-piston assembly			15K54																			
	22 – Bushing, impeller		316SS	4L513																			
	15 – Plug		316SS	6L51																			
	35 – Bearing		Tung. carb.	4L514																			
101A	Impeller, full diameter		316LSS	2L899										2L900									
101B	Impeller, reduced diameter		316LSS	2L903										2L904									
122	Shaft assembly		Duplex SS	4L516	4L517	4L518	4L519	4L520	4L521	4L522	4L523	4L524	4L578	4L516	4L517	4L518	4L519	4L520	4L521	4L522	4L523	4L524	4L578
100	Casing (25 bar max)		316LSS	4L532	4L533	4L534	4L535	4L536	4L537	4L538	4L539	4L540	4L577	4L532	4L533	4L534	4L535	4L536	4L537	4L538	4L539	4L540	4L577
	Casing (40 bar max)		316LSS	4L497	4L498	4L499	4L500	4L501	4L502	4L503	4L504	4L505	4L579	4L497	4L498	4L499	4L500	4L501	4L502	4L503	4L504	4L505	4L579
500	Tie-rods – qty. 4 with hardware		Zinc plated	4L557	4L558	4L559	4L560	4L561	4L562	4L563	4L564	4L565	4L566	4L557	4L558	4L559	4L560	4L561	4L562	4L563	4L564	4L565	4L566
528	Washer, tie-rod		Zinc plated	13K307 (qty. 4)																			
296	Hex nut, tie-rod		Zinc plated	13K366 (qty. 4)																			
118	Coupling assembly with pin, shim fork and hardware	180TC	Cast iron	4L553																			
		210TC		4L554																			
		250TC		4L555																			
		280TC – 360TSC		4L556																			
501	Guard, coupling assembly		304SS	4L515																			
240	Motor adapter	180TC – 360TSC	Cast iron	1L649																			
—	Adapter plate, motor (not shown)	180TC	Cast iron	1L646																			
		320TSC		1L647																			
		360TSC		1L648																			
—	Hex cap screw, motor	180TC – 250TC	Zinc plated	13K103 (qty. 4)																			
		280TC		13K44 (qty. 4) or 13K245 (qty. 4)																			
		320TSC		13K44 (qty. 4) or 13K247 (qty. 4)																			
		360TSC		13K44 (qty. 4) or 13K247 (qty. 8)																			
9	Hex cap screw, M.A.		Zinc plated	13L127 (qty. 4)																			
—	Shim fork		Plastic	4L242																			

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LESS PISTON (74A)



WITH PISTON (74)

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66SV AND 92SV

Item No.	Part Name		Material	66SV Number of Stages						92SV Number of Stages					
				1	2	3	4	5	6	1	2	3	4	5	6
174	Pump body	Class 125	Cast iron	1L644											
		Class 150	SS	1L638											
		Class 250	Cast iron	1L645											
		Class 300	SS	1L639											
71	Pump head		Cast iron	1L633											
			SS	1L631											
	O-ring, kit – EPDM		EPDM	5K378											
513A	– O-ring, seal housing			5K367											
513B	– O-ring, mech. seal sleeve			5K365											
513	– O-ring, casing			5L47 (qty. 2)											
513C	– O-ring, piston			5K363											
	O-ring, kit – Viton		Viton	5K379											
513A	– O-ring, seal housing			5K368											
513B	– O-ring, mech. seal sleeve			5K366											
513	– O-ring, casing			5L43 (qty. 2)											
513C	– O-ring, piston			5K364											
159	Seal housing		Cast iron	1L629											
			SS	1L628											
383	Mechanical seal options			See optional seal table on page 4											
–	Screw, seal housing		Zinc plated	13L127 (qty. 4)											
	Plug, vent w/o-ring		EPDM	6L49											
			Viton	6L53											
	Plug, fill w/o-ring		EPDM	6L48											
			Viton	6L52											
358	Plug, drain w/o-ring		EPDM	6L50 (qty. 2)											
			Viton	6L54 (qty. 2)											
370	Bolt, impeller		316SS	13L109											
199	Washer, impeller		316SS	13L129											
126A	Spacer, final		316SS	4L509											
126B	Spacer, impeller		316SS	4L511											
126C	Spacer, impeller		316SS	4L512											
140	Sleeve, mech. seal shaft		316SS	4L531											
524	Stop ring, impeller		316SS	4L550											
82	Spring, diffuser		316SS	4L552											
150	Diffuser, final stage		316LSS	3L43											
258A	Diffuser, carbon bearing		316LSS	3L46						3L47					
	Diffuser, tungsten carbide		316LSS	3L50						3L51					
258B	Spacer, shaft bushing		316SS	4L510 (qty. 2)											
	Bearing		Tung. carb.	4L514											
70	Wear ring, Impeller/Diffuser (qty. 5)		316LSS / PPS	15L49						15L50					
99	Lower bracket assembly		Cast iron	15L41						15L42					
			SS	15L37						15L38					
74	Thrust piston assembly			15K53											
	23 – Piston		Duplex SS	4L496											
	40 – Piston seal		Impregnated carbon	4L549											
	28 – Retaining plate		316SS	4L508											
	513C – O-ring viton, piston		Viton	5K364											
	513C – O-ring EPDM, piston		EPDM	5K363											
	14 – Plug		316SS	6L47											
	7 – Hex cap screws		316SS	13L114 (qty. 3)											
	35 – Bearing		Tung. carb.	4L514											
74A	Non-piston assembly			15K54											
	22 – Bushing, impeller stack		316SS	4L513											
	15 – Plug		316SS	6L51											
	35 – Bearing		Tung. Carb.	4L514											
101A	Impeller, full diameter		316LSS	2L901						2L902					
101B	Impeller, reduced diameter		316LSS	2L905						2L906					
122	Shaft assembly		Duplex SS	4L525	4L526	4L527	4L528	4L529	4L530	4L525	4L526	4L527	4L528	4L529	4L530
100	Casing (25 bar max)		316LSS	4L541	4L542	4L543	4L544	4L545	4L546	4L541	4L542	4L543	4L544	4L545	4L546
	Casing (40 bar max)		316LSS	4L585	4L586	4L587	4L580	4L481	4L582	4L585	4L586	4L587	4L580	4L581	4L582
500	Tie-rods – qty. 4 with hardware		Zinc plated	4L570	4L571	4L572	4L573	4L562	4L574	4L570	4L571	4L572	4L573	4L562	4L574
528	Washer, tie-rod		Zinc plated	13K307 (qty. 4)											
296	Hex nut, tie-rod		Zinc plated	13K366 (qty. 4)											
118	Coupling assembly with pin, shim fork and hardware	180TC	Cast iron	4L553											
		210TC		4L554											
		250TC		4L555											
		280TC – 360TSC		4L556											
501	Guard, coupling assembly		304SS	4L515											
240	Motor adapter	180TC – 360TSC	Cast iron	1L649											
–	Adapter plate (not shown)	280TC	Cast iron	1L646											
		320TSC		1L647											
		360TSC		1L648											
–	Hex cap screw, motor	180TC – 250TC	Zinc plated	13K103 (qty. 4)											
		280TC		13K44 (qty. 4) or 13K245 (qty. 4)											
		320TSC		13K44 (qty. 4) or 13K247 (qty. 4)											
		360TSC		13K44 (qty. 4) or 13K247 (qty. 4)											
9	Hex cap screw, motor adapter		Zinc plated	13L127 (qty. 4)											
–	Shim fork		Plastic	4L242											

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OPTIONAL VICTAULIC MATING COMPONENTS

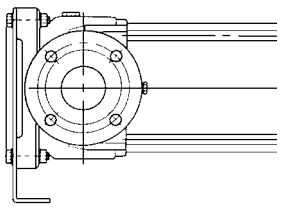
Size	Victaulic Coupling	Victaulic Threaded Coupling
1SV	4L194	4L196
2SV		
3SV	4L195	4L197
4SV		

REPLACEMENT O-RING FOR OVAL FLANGE ASSEMBLY

Size	O-Ring Repair Part Number
1SV	5L107
2SV	
3SV	5L108

OPTIONAL HORIZONTAL MOUNTING FOOT

Size	Suction Flange Location	Pump Mounting Bracket	Shim Required determined by Motor Frame Size						
			56C	180TC	210TC	250TC	280TC	320TSC	360TSC
1SV	Horizontal	9L92	13K249 (qty. 4)	No Shim Required					
	Vertical	9L93							
2SV	Horizontal	9L92							
	Vertical	9L93							
3SV	Horizontal	9L90	13K249 (qty. 4) 13K346 (qty. 4)	13K346 (qty. 4)	13K249 (qty. 4)	No Shim Required			
	Vertical	9L91							
4SV	Horizontal	9L90							
	Vertical	9L91							
33SV	Horizontal	9K442		9K440 (qty. 2)	9K441 (qty. 2)		13K249 (qty. 8)	13K249 (qty. 4)	No Shim Required
46SV		9K443							
66SV									
92SV									
5SV (OBSOLETE)	Horizontal	9L91			13K346 (qty. 4)	13K248 (qty. 4)	No Shim Required		
6SV (OBSOLETE)									



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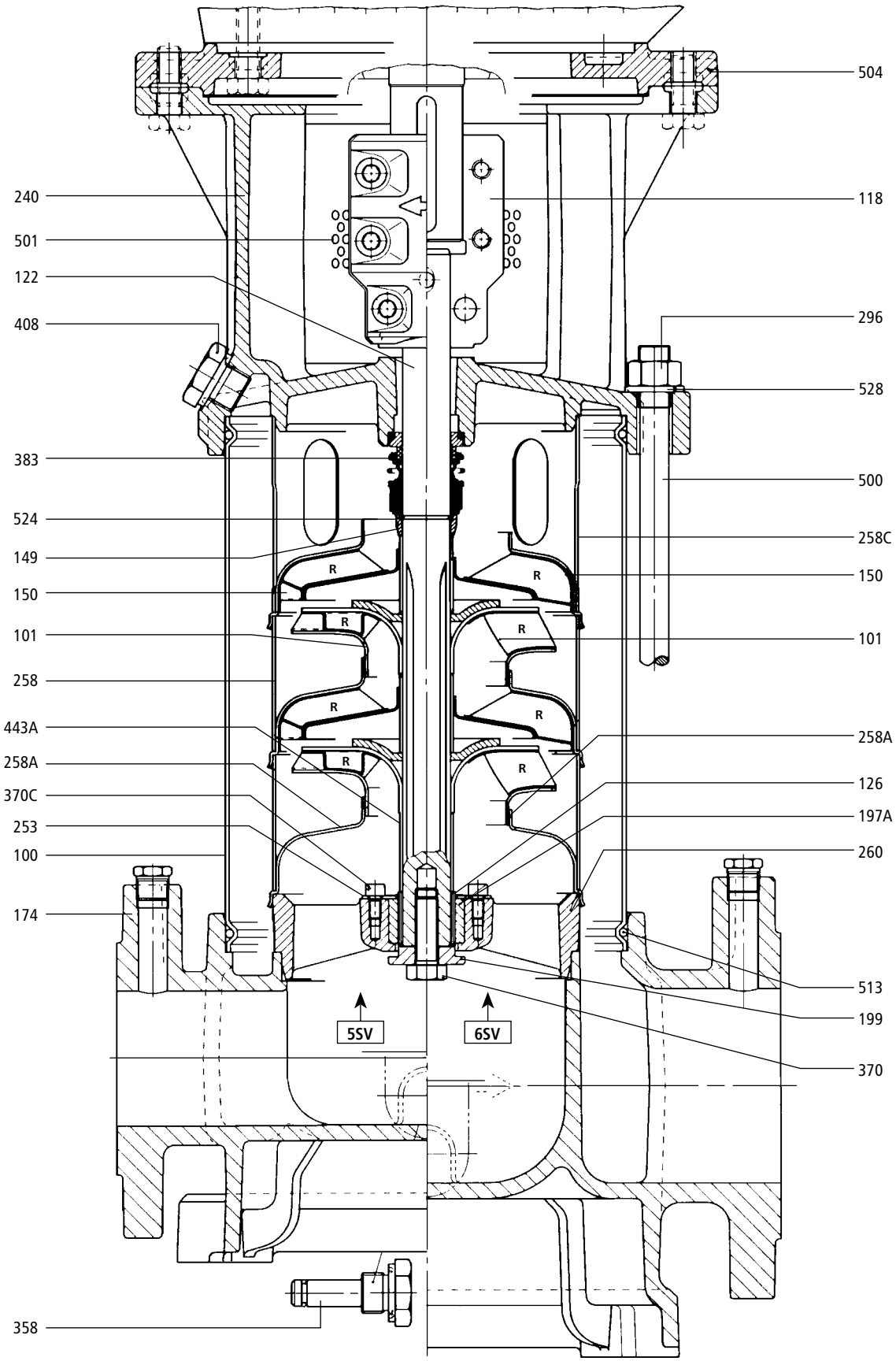
MOTOR ADAPTER AND ADAPTER RINGS TABLE

<table>
<tr><td rowspan="3">PUMP</td><td>ODP-TEFC</td><td>ODP-TEFC</td><td>ODP-TEFC</td><td>ODP</td><td>ODP</td><td>TEFC</td><td>ODP</td><td>TEFC</td><td>ODP</td><td>TEFC</td><td>TEFC</td><td>ODP</td><td>TEFC</td><td>ODP</td><td>TEFC</td><td>ODP</td></tr>
<tr><td>56C</td><td>184TCH</td><td>184TC</td><td>213TC</td><td colspan="2">215TC</td><td colspan="2">254TC</td><td colspan="2">256TC</td><td colspan="6">284TC</td><td>286TC</td></tr>
<tr><td>HP 0.5 to 3</td><td>HP 5 to 7.5</td><td>HP 5 to 7.5</td><td>HP 10</td><td>HP 15</td><td>HP 10</td><td>HP 20</td><td>HP 15</td><td>HP 25</td><td>HP 20</td><td>HP 25</td><td>HP 30</td><td>HP 30</td><td>HP 40</td><td>HP 40</td><td>HP 50</td></tr>
<tr><td>1SV</td><td colspan="2" rowspan="2">Motor Adapter
1L383</td><td rowspan="2">Motor
Adapter
1K327</td><td colspan="13" rowspan="2"></td></tr>
<tr><td>2SV</td></tr>
<tr><td>3SV</td><td colspan="2" rowspan="2">Motor Adapter
1L384</td><td rowspan="2">Motor
Adapter
1K328</td><td colspan="6" rowspan="2">Adapter Flange
1L386
Motor Adapter
1L385</td><td colspan="7"></td></tr>
<tr><td>4SV</td><td></td><td colspan="7"></td></tr>
<tr><td>5SV
(Obsolete)</td><td colspan="3" rowspan="2"></td><td colspan="6" rowspan="2">Adapter Flange
1L386
Motor Adapter
Iron = 1L437
Stainless = 1L438
Horizontal Mounted
Iron = 1L525
Stainless = 1L526</td><td colspan="7" rowspan="2">Adapter Flange
1L439
Motor Adapter
Iron = 1L437
Stainless = 1L438
Horizontal Mounted
Iron = 1L525
Stainless = 1L526</td></tr>
<tr><td>6SV
(Obsolete)</td></tr>
</table>

Pump	180TC	210TC	250TC	280TC	320TSC	360TSC
	HP 5 to 7.5	HP 7.5 to 15	HP 15 to 25	HP 25 to 40	HP 50 to 60	HP 60 to 75
33SV	Motor Adapter 1L649			Motor Adapter 1L649 Adapter flg. 1L646	Motor Adapter 1L649 Adapter flg. 1L647	Motor Adapter 1L649 Adapter flg. 1L648
46SV						
66SV						
92SV						

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5SV AND 6SV WITHOUT CROSSOVER



159 Seal Housing Type D is not shown.

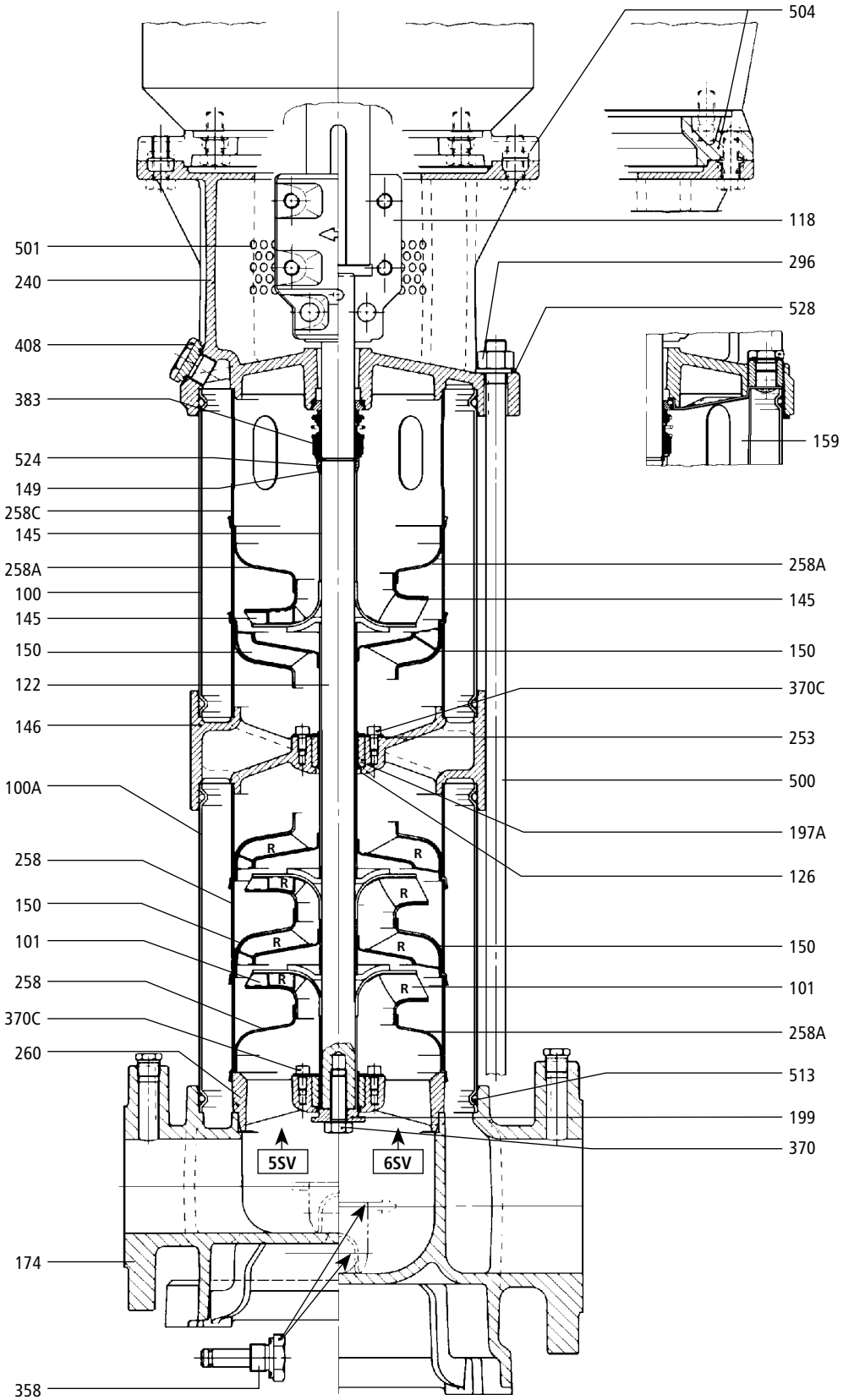
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5SV AND 6SV WITHOUT CROSSOVER

Item No.	Part Name		Number of Stages		
			2	3	4
240	Motor adapter		See motor adapter chart page 17		
504	Adapting flange (motor mounting)				
501	Coupling guard - old snap in		4L289		
	Coupling guard - new with screws		4L453		
122	Shaft assembly includes items 149, 199, 370, 524 and coupling pin	Type B	4L290	4L291	4L292
		Type C	4L297	4L298	4L299
126	Shaft sleeve		4L287		
100	Casing upper	Type B	1L424	1L425	1L426
		Type D	1L430	1L431	1L432
513	O-ring casing		5L42 Viton	5L95 EPR	
174	Pump body	5SV Type B	1L418		1L419
		5SV Type D	1L421		
		6SV Type B	1L420		
		6SV Type D	1L423		
197A	Bushing		7L366		
253	Bearing retainer		4L319		
370C	Bearing fixing screw		13L65		
260	Lower support	Type B	4L318		
		Type D	4L317		
159	Seal housing (Type D only)		1L436		
383	Mechanical seal with washer		See optional seal table on page 1		
524	Split ring		4L311		
149	Split ring cover		4L288		
258	Final spacer		4L285		
258	Stage spacer		4L286		
150	Right hand diffuser	5SV	3L30		
		6SV	3L31		
258A	1st stage bowl	5SV	7L367		
		6SV	7L368		
101	Impeller right hand	5SV	2L240		
		6SV	2L260		
443A	Impeller spacer		4L284		
199	Impeller fixing washer		13L112		
370	Impeller fixing screw		13L109		
500	Tie rod with nuts and washer		4L304	4L305	4L306
296	Nut tie rod		13L110		
528	Washer tie rod		13L111		
118	Coupling complete		See coupling chart on page 3		
408	Fill plug with o-ring	Type B	6L22 Viton	6L28 EPR	
		Type D	6L19 Viton	6L25 EPR	
358	Drain plug with o-rIng	Type B	6L21 Viton	6L27 EPR	
		Type D	6L21 Viton	6L27 EPR	
—	Motor assembly shim		4L242		
—	Filling funnel		4L247		

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5SV AND 6SV WITH CROSSOVER



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5SV AND 6SV WITH CROSSOVER

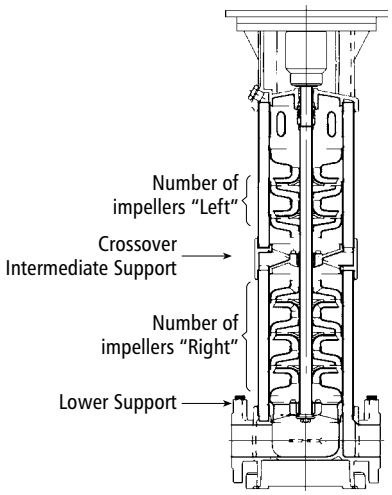
Item No.	Part Name		Number of Stages							
			5	6	7	8	9	10	11	12
240	Motor adapter		See motor adapter chart page 17							
504	Adapting flange (motor mounting)									
501	Coupling guard - old snap in		4L289							
	Coupling guard - new with screws		4L453							
122	Shaft assembly includes items 149, 199, 370, 524 and coupling pin	Type B	4L293	4L294	4L295	4L296	4L345	4L346	4L347	4L348
		Type D	4L300	4L301	4L302	4L303	4L349	4L350	4L351	4L352
126	Shaft sleeve		4L287							
100	Casing upper	Type B	1L427	1L427	1L428	1L428	1L429	1L429	1L521	1L521
		Type D	1L433	1L433	1L434	1L434	1L435	1L435	1L523	1L523
	Casing lower	Type B	1L427	1L428	1L428	1L429	1L429	1L521	1L521	1L522
		Type D	1L433	1L434	1L434	1L435	1L435	1L523	1L523	1L524
146	Intermediate support	Type B	4L315							
		Type D	4L316							
513	O-ring casing		5L42 Viton	5L95 EPR						
174	Pump body	5SV Type B	1L419							
		5SV Type D	1L422							
		6SV Type B	1L420	1L419						
		6SV Type D	1L423	1L422						
197A	Bushing		7L366							
253	Bearing retainer		4L319							
370C	Bearing fixing screw		13L65							
260	Lower support	Type B	4L318							
		Type D	4L317							
159	Seal housing (Type D only)		1L436							
383	Mechanical seal with washer		See optional seal table on page 1							
524	Split ring		4L311							
149	Split ring cover		4L288							
258	Final spacer		4L285							
258	Stage spacer		4L286							
150	Right hand diffuser	5SV	3L30							
		6SV	3L31							
	Left hand diffuser	5SV	3L32							
		6SV	3L33							
258A	1st stage bowl	5SV	7L367							
		6SV	7L368							
101	Impeller right hand	5SV	2L240							
		6SV	2L260							
145	Impeller left hand	5SV	2L250							
		6SV	2L270							
443A	Impeller spacer		4L284							
199	Impeller fixing washer		13L112							
370	Impeller fixing screw		13L109							
500	Tie rod with nuts and washer		4L307	4L308	4L309	4L310	4L328	4L329	4L330	4L331
296	Nut tie rod		13L110							
528	Washer tie rod		13L111							
118	coupling complete		See coupling chart on page 3							
408	Fill plug with o-ring	Type B	6L22 Viton	6L28 EPR						
		Type D	6L19 Viton	6L25 EPR						
358	Drain plug with o-rIng	Type B	6L21 Viton	6L27 EPR						
		Type D	6L21 Viton	6L27 EPR						
—	Motor assembly shim		4L242							
—	Filling funnel		4L247							

NOTE: Stages 9-12 are available in 5SV 50 Hz only.

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5SV AND 6SV WITH CROSSOVER

Number of Stages	Number of Impellers	
	Above Crossover (Left Hand)	Below Crossover (Right Hand)
5	2	3
6	2	4
7	3	4
8	3	5
9	4	5
10	4	6
11	5	6
12	5	7



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NOTES

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