



HBOY

348 0256

BILL JENNINGS

PARTS LIST FOR HUCKEPACK  
TWO STAGE ROTARY VANE PUMPS  
TYPE 429-002/014  
PER ISOMETRIC DRAWING NO. E-1007D

KIT = U993 .016 \$ 1630.00  
This list applies to pumps with Serial Number 2000 and up or 22000 to 22285.

This list also applies to the following pumps:

- (1) Serial Number 1000 to 1999 or 21000 to 21999. Observe exceptions noted under Remarks as Note 9 and 10.
- (2) Serial Number 22286 and up - Pumps with oil-behind-vanes lubrication (OBV).
- (3) Serial Number 22402 and up - Pumps with enlarged water inlet piping. See attached addendum to parts list Drawing Number 918.703.

Ref. No.	Remarks	Part No.	Description	Size	Quantity
1		223.502	Cylinder, Upper Stage, 1st Stage		1
1	(D.I.)	220.502	Cylinder, Upper Stage, 1st Stage	Ductile Iron	1
5		223.505	Cylinder, Lower Stage, 2nd Stage		1
5	(D.I.)	220.504	Cylinder, Lower Stage, 2nd Stage	Ductile Iron	1
10	*	480.205	Gasket, Upper/Lower Stage		2
21		412.420	Stud	M12x50, DIN 939	14
22		412.412	Stud	M12x30, DIN 939	4
23		412.422	Stud	M12x55, DIN 939	2
24		412.426	Stud	M12x65, DIN 939	4
25		412.212	Stud	M8x30, DIN 939	4
26		412.420	Stud	M12x50, DIN 939	8
27		412.412	Stud	M12x30, DIN 939	6
28		412.300	Stud	M10x16, DIN 939	2
30		412.426	Stud	M12x65, DIN 939	2
31		412.422	Stud	M12x55, DIN 939	2
50		420.013	Hex Head Nut	M12, DIN 934	32
51		420.014	Hex Head Nut	M12, DIN 936	4
52		420.018	Hex Head Nut	M10, DIN 934	2
53		420.013	Hex Head Nut	M12, DIN 934	6
54		420.007	Hex Head Nut	M8, DIN 934	4
70		432.017	Lockwasher	A12, DIN 128	4
71		432.015	Lockwasher	A10, DIN 128	2
72		432.017	Lockwasher	A12, DIN 128	6

Ref. No.	Remarks	Part No.	Description	Size	Quantity
73		432.013	Lockwasher	A8, DIN 128	4
100		233.503	Cylinder Endplate, Upper Stage, Oil Pump Side		1
100	(D.I.)	230.503	Cylinder Endplate, Upper Stage, Oil Pump Side	Ductile Iron	1
101		233.505	Cylinder Endplate, Upper Stage, Belt Side		1
101	(D.I.)	230.505	Cylinder Endplate, Upper Stage, Belt Side	Ductile Iron	1
102		233.506	Cylinder Endplate, Lower Stage, Belt Side/Motor Side		2
102	(D.I.)	230.506	Cylinder Endplate, Lower Stage, Belt Side/Motor Side	Ductile Iron	2
120	*	481.018	Gasket-Cylinder, Upper Stage/Endplate	0.05mm, Thick	5
121	*	481.019	Gasket-Cylinder, Upper Stage/Endplate	0.1mm, Thick	4
121		481.042	Gasket-Cylinder, Upper Stage/Endplate	0.2mm, Thick	2
122	*	481.018	Gasket-Cylinder, Lower Stage/Endplate	0.05mm, Thick	5
123	*	481.019	Gasket-Cylinder, Lower Stage/Endplate	0.1mm, Thick	4
123		481.042	Gasket-Cylinder, Lower Stage/Endplate	0.2mm, Thick	2
130	#	437.072	Threaded Taper Pin	M6x60, DIN 7977	8
140		243.512	Bearing Cover Plate, Belt Side, Upper Stage and Lower Stage		2
141		243.510	Bearing Cover Plate, Motor Side, Lower Stage		1
142		243.511	Bearing Cover Plate, Oil Pump Side, Upper Stage		1
142	OBV	340.101	Bearing Cover Plate, Oil Pump Side, Upper Stage		1
144		413.420	Socket Head Cap Screw	M8x25, DIN 912	12
145		413.420	Socket Head Cap Screw	M8x20, DIN 912	4
146		432.063	Lockwasher	A8, DIN 7980	16
148	*	481.151	Gasket-Cylinder Endplate/ Bearing Cover Plate	0.05mm, Thick	4
149	*	481.152	Gasket-Cylinder Endplate/ Bearing Cover Plate	0.2mm, Thick	4

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Ref. No.	Remarks	Part No.	Description	Size	Quantity
150		244.007	Motor Mounting Bell Housing		1
153		410.535	Hex Head Cap Screw	M12x35, DIN 933	4
157		432.017	Lockwasher	A12, DIN 128	4
160		437.151	Grooved Pin	Ø2x10, DIN 1472	4
161		437.150	Grooved Pin	Ø2x8, DIN 1472	4
162		436.002	Belleville Washer	Ø61.5xØ40.5x0.55 Slotted	4
163		436.005	Belleville Washer	Ø61.5xØ40.5x0.7 Unslotted	4
164		435.015	Cylindrical Spring	Ø6.9x11	6
166		280.002	Spacer Ring	Ø62/40x6.3	4
167	#	488.002	Mechanical Seal, Carbon	Ø48/39x10.5	4
169	*	486.514	O-Ring, Viton	Ø42.52x2.62	4
190		432.211	Tap Washer	13, DIN 93	5
191		566.047	Coupling Protective Screen		2
192		418.004	Sheet Metal Screw	Ø2.9x16, DIN 7972	4
193		424.512	Sheet Metal Nut	BM 13-174, ZI-GE	4
200	Note 9	210.504	Rotor, Upper Stage (ND)	6mm Vane Slot	1
200	OBV	210.534	Rotor, Upper Stage (ND)	6mm Vane Slot	1
205		210.505	Rotor, Lower Stage (HD)	6mm Vane Slot	1
205	OBV	210.535	Rotor, Lower Stage (HD)	6mm Vane Slot	1
220	#	722.034	Vanes, Upper Stage	200x34x5.8	6
225	Note 10	722.032	Vanes, Lower Stage	130x34x5.8	6
235	#	512.197	Coupling Half (Pump Side)	Ø28x42mm	1
235		512.196	Coupling Half (Motor Side)	Ø34.925x60mm	1
235		512.007	Coupling Sleeve	Bowex M42	1
240		514.201	V-Belt Pulley, Upper Stage	SPA Ø100x3xØ28	1
241		514.207	V-Belt Pulley, Lower Stage	SPA Ø140x3xØ28	1
243	#	513.203	V-Belt	XHR SPZ LW=850, S=C	3
244		414.110	Socket Set Screw	M6x10, DIN 916	2
245		434.007	Shaft Key	A8x7x33, DIN 6885 Bl. 1	3
250		280.200	Idler Pulley, Mounting Slide		1
251		320.203	Idler Pulley, Mounting Plate		1
252		410.330	Hex Head Cap Screw	M10x30, DIN 933	2
253		431.136	Washer	A10.5, DIN 9021	2
254		410.180	Hex Head Cap Screw	M8x80, DIN 933	1
255		420.007	Hex Head Nut	M8, DIN 934	1
258	Note 11	914.022	Idler Pulley, Complete		1

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Ref. No.	Remarks	Part No.	Description	Size	Quantity
270	#	473.103	Roller Bearing	NU 206 C3	4
272	#	474.002	Axial Bearing	51106	4
273		433.028	Steel Spacer	0.1, D47/37	(as needed)
290		461.062	Oil Pump Drive Adapter	M8x12x24	1
290	OBV	322.250	Oil Pump Drive Adapter (long)	Ø12x70	1
302		580.008	Oil Metering Pump	AFG, 8 pt., 160:1	1
302		580.009	Oil Metering Pump	AFG, 8 pt., 320:1	1
302	OBV	580.016	Oil Metering Pump	AFG, 12 pt., 160:1	1
302- 1		441.017	Hydraulic Fitting, Straight, Beka Pump, for Scavenger Line		1
302- 2	#	442.020	Ferrules, Beka Pump, Brass	Ø4	8 or 12
302- 3		581.001	Oil Fitting, Beka Pump	Ø4	8 or 12
302- 4	#	442.021	Ferrules, Beka Pump, Steel	Ø6	1
302- 5		441.029	Hydraulic Fitting, Straight, Beka Pump	M8x1	1
302- 6		581.007	Oil Pump Drive Adapter Coupling w/Retaining Ring		1
302- 7		581.015	Oil Pump Cap - Plastic	Screw on Type	1
302- 8		N/A	Shaft Seal, Beka Pump, Buna	Ø9x18x6	1
302- 8		N/A	Shaft Seal, Beka Pump, Viton	Ø9x18x6	1
302- 9		581.011	Nut for 6mm Hydraulic Fitting/Oil Pump	Ø6	1
302-10		581.010	Nut for 4mm Hydraulic Fitting, Scavenger/Oil Pump	Ø4	1
311		410.020	Hex Head Cap Screw	M6x20, DIN 933	2
312		432.009	Lockwasher	A6	2
320	#	438.001	Oil Tubing Insert	Ø4, E4/2	34
321	#	438.006	Oil Tubing Insert	Ø6, E56/4	2
330	#	754.050	Oil Tubing, PPH	Ø4x1x8m	26ft
330	OBV #1	754.050	Oil Tubing, PPH	Ø4x1x10.6m	35ft
370	#	541.026	Oil Non-Return Valve	M8x1	6 or 8
370- 1		442.039	Ferrules, Steel for Oil Non-Return Valve	ØD4	8 or 12
370- 1	#	442.039	Ferrules, Steel for Scavenger Fitting	ØD4	1
371		441.304	Hydraulic Fitting, T-Connector	R1/8", TE 4-LLR	3
371- 1	#	442.001	Ferrules, Steel	Ø4, D4-LL	6
372		441.103	Hydraulic Fitting, Elbow Connector	R1/8", WE 4-LLR	3

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Ref. No.	Remarks	Part No.	Description	Size	Quantity
372- 1	#	442.001	Ferrules, Steel	Ø4, D4-LL	3
372- 2		424.006	Nut for 4mm Hydraulic, Fitting, Scavenger Line/Pump	Ø4	8
380		940.010	Oil Reservoir - Plastic	12 Liters	1
380- 2		534.062	Inlet Screen (Oil Tank)		1
380- 3		465.110	EXP Oil Level Switch Adapter		1
380- 4		534.016	Suction Screen (Oil Tank), w/Fittings	R1/2"	1
380- 5		362.101	Cover Plate		1
380- 6		482.033	Cover Plate Gasket, Buna		2
380- 7		415.004	Drain Plug	R1/4"	1
380- 8	Note 12	486.140	O-Ring, Buna	Ø20x3	1
380- 8	Note 12	484.055	Copper Gasket	A21x26	1
380- 9	Note 12	486.009	O-Ring, Buna	Ø12.3x2.4	1
380- 9	Note 12	484.040	Copper Gasket	A14x18	1
380-10		413.213	Slotted Machine Head Screw	M5x12	4
380-11		413.225	Slotted Machine Head Screw	M5x25	4
380-12		481.272	Rubber Gasket		1
380-13		410.012	Hex Head Screw	M6x12	4
380-14		432.009	Lockwasher	A6	4
380-16		362.150	Distance Spacer		1
380-18		652.045	Oil Level Switch (TEFC) W/ O-Ring, Viton #486.638	Ø25x2.5	1
380-18A		U549.008	Oil Level Switch (EXP)	3/8"x7", M4602-1986	1
380-19		713.651	Oil Reservoir Cap		1
380-20		488.106	Profile Gasket		1
381		320.602	Oil Tank Mounting Bracket		2
382		926.032	Mounting Bracket for Oil Reservoir		1
383		410.151	Hex Head Cap Screw	M8x50, DIN 931	2
384		432.013	Lockwasher	A8, DIN 128	2
385	#	754.051	Oil Tubing PPH	Ø6x1x0.6m	2ft
386		441.104	Hydraulic Fitting, Elbow Connector	R1/8", WE6-LLR	1
386- 1	#	442.002	Ferrules, Steel	Ø6, D6-LL	1
386- 1	#	442.021	Ferrules, Steel	Ø6	1
386- 2		424.010	Nut for 6mm Hydraulic Fitting/Oil Tank	Ø6	1
388		563.011	Plastic Cap		2
390		410.155	Hex Head Cap Screw	M8x55, DIN 931	2

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Ref. No.	Remarks	Part No.	Description	Size	Quantity
391		432.013	Lockwasher	A8, DIN 128	2
400	002	574.501	Hose Nipple	R3/8", LW 10	2
401	002	531.105	Water Strainer Complete	R3/8"	1
401-1	002	532.502	Sieve for Water Strainer		1
403	002	456.651	Nipple	R3/8"x30mm	2
405	002	456.503	Reducing Nipple	R1/2"xR3/8"	2
411	002	546.150	Danfoss Valve	AVTA 15-3N	1
413	002	327.598	Piece of Pipe	Ø12x1.5x630	1
414	002	926.041	Pipe Support		1
415	002	410.116	Hex Head Cap Screw	M8x16, DIN 933	1
416	002	432.013	Lockwasher	A8, DIN 128	1
417	002	456.759	Extension Pipe	R3/4"x70	1
418	002	544.152	Cock Valve	R3/8"	2
419	002	456.505	Reducing Nipple	R3/4" - R3/8" No. 241	1
420	002	441.204	Hydraulic Fitting, Swivel	R3/8", SWVE 12 PLR	1
428	002	441.302	Hydraulic Fitting, L	R3/8", LE12-PLR	1
439	Note 13	947.104	Overtemperature Switch Comp.	106°C	1
439-1		651.004	Overtemperature Switch Only	106°C	1
439-2		461.070	Nipple-Overtemperature Switch	M20x1x8	1
443	002	456.025	T Fitting	R3/8", No. 135	1
444	002	441.108	Hydraulic Fitting, Elbow	WE12-PLR	1
445	002	327.300	Piece of Pipe	Ø12x1.5x140	1
450	014	524.030	Fan	Ø200	1
451	014	460.934	Fan Mounting Boss		1
453	014	413.220	Socket Head Cap Screw	M5x20, DIN 912	3
454	014	432.058	Lockwasher	A5, DIN 7980	3
460	014	520.002	Radiator Incl. Radiator Cap		1
460-1	014	563.003	Radiator Cap		1
462	014	570.102	Radiator Hose	LW Ø30x4.5x120x300	1
464	014	413.835	Hex Head Cap Screw	M6x35, DIN 7991	2
465	014	574.112	Hose Nipple	R1 3/4"x60	1
466	014	570.101	Radiator Hose	LW Ø50x4.5x230	1
467	014	573.007	Hose Clamp	Ø58/15	2
468	014	284.001	Elbow		1
469	014	413.812	Socket Head Cap Screw	M6x12, DIN 7991	4
472	014	431.401	Countersunk Washer	LW 5.8xØ16	8
473	014	413.750	Slotted Flat Head Machine Screw	M5x10, DIN 963	8
474	014	566.004	Radiator Screen Panel		2

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Ref. No.	Remarks	Part No.	Description	Size	Quantity
475	014	413.825	Hex Head Cap Screw	M6x25, DIN 128	2
476	014	432.009	Lockwasher	A6, DIN 128	4
477	014	431.121	Washer	A6.4, DIN 9021	4
478	014	420.005	Hex Head Nut	M6, DIN 934	4
479	014	285.402	Radiator Housing		1
480	014	418.004	Sheet Metal Screw	B2.9x16, DIN 7972	4
481	014	424.512	Sheet Metal Nut	BM 13-174, ZI-GE	4
482	014	566.024	Radiator Front Screen Panel		1
483	014	573.013	Hose Clamp	∅40/12	2
500	002	248.001	Cover Plate		1
501	*	481.250	Gasket-Cylinder/Cover Plate		1
502		413.216	Socket Head Cap Screw	M5x16, DIN 912	3
503		432.058	Lockwasher	A5, DIN 7980	3
509		456.751	Plug, Interstage	R3/4", No.290	1
510		565.016	Name Plate	English	1
511		418.003	Sheet Metal Screw	A2.9x6.5, DIN 7971	4
516		415.005	Blind Plug	R3/8", DIN 906	6
517		415.010	Blind Plug	R3/4", DIN 906	1
518		415.007	Blind Plug	R1/2", DIN 906	4
520	002	724.106	Belt Guard Housing		1
521	002	410.011	Hex Head Cap Screw	M6x10, DIN 933	4
522	002	432.009	Lockwasher	A6, DIN 128	4
523	014	325.302	Attachment Bracket		1
524	002	325.301	Elbow Bracket		4
524	014	325.301	Elbow Bracket		2
525	002	420.004	Hex Head Nut	M5, DIN 934	4
526	002	431.401	Countersunk Washer	LW, 5.8x∅16.	4
527	002	566.268	Screen		1
528	002	413.756	Slotted Flat Head Machine Screw	M5x16, DIN 963	4
529	002	431.115	Washer	A5.3, DIN 9021	4
530	Note 17	416.106	Plug, Bypass	R2"	1
531	Note 17 *	483.003	Gasket Ring, PTFE	∅66/61x2	1
540	Note 16	534.010	Inlet Screen Old Style	∅74	1
540	#	534.040	Inlet Screen		1
541		240.007	Inlet Flange	2" NPT	1
541-1		U934.015	Inlet Flange (New Style)	2"-150# ASA	1
542	Note 16	482.002	Gasket	∅100/50x3	2
542	*	486.529	O-Ring, Viton	∅80x3	1
551		544.003	Pet Cock - Drain	R3/8", No. 0510	1

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Ref. No.	Remarks	Part No.	Description	Size	Quantity
560		253.207	Exhaust Check Valve Housing		1
565	*	480.008	Gasket-Cylinder/Exhaust Check Valve Housing	2mm, Thick	1
579	*	480.202	Gasket-Exhaust Check Valve/ Muffler	Ø120/95x1	1
582		562.005	Muffler Complete		1
582- 1		415.008	Drain Plug (Muffler)	R1/2", DIN 910	2
586		410.540	Hex Head Cap Screw	M12x40, DIN 931	4
587		420.013	Hex Head Cap Nut	M12, DIN 934	4
588		432.017	Lockwasher	A12, DIN 128	4
600		916.105	Exhaust Check Valve Complete		1
600- 1		460.622	Exhaust Check Valve Bolt	M10x80, DIN 931	1
600- 2		250.001	Valve Guide		1
600- 4		435.037	Spring, Conical	DIN 17224	1
600- 5		320.451	Valve Disc	Ø74x3	1
600- 6		483.002	Gasket (Exh. Check Valve)	PTFE	1
600- 7		320.452	Centering Disc.	Ø39x2.25	1
600- 8		320.450	Holding Disc.	Ø52x2	1
600- 9		428.206	Nut, Self-Locking	M6	1
600-10		435.016	Spring, Cylindrical	DIN 17224	1
600-11		420.001	Hex Head Nut	M3, DIN 934	1
600-12		431.101	Disc	A3.2, DIN 9021	1
600-13		413.008	Slotted Cheese Head Machine Screw	A3x8, DIN 84	1
608		432.575	Internal Retaining Ring	Ø75x2.5W	1
657		246.002	Adapter Flange (Nema Design)	Dwg. 429-224	1
658		U410.038	Hex Head Cap Screw	3/8"x16x1 1/2"	4
659		U420.011	Hex Head Nut	3/8" - 16	4
661		U413.001	Socket Head Cap Screw Low Head	1/2-13x1"	4
700		923.045	Base Frame		1
702		561.006	Rubber Foot	Ø75x45xM12	4
703		414.430	Stud	M12x30, DIN 934	4
704		420.013	Hex Head Nut	M12, DIN 934	4
705		432.017	Lockwasher	A12, DIN 128	4
710		410.335	Hex Head Cap Screw	M10x35, DIN 933	1
713		431.136	Washer	A10.5, DIN 9021	1
718		416.003	Ring Bolt	M16	1
730		928.242	Mounting Bracket for Control Center		1

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732		410.020	Hex Head Cap Screw	M6x20, DIN 933	4
733		432.009	Lockwasher	A6, DIN 128	4
734		410.155	Hex Head Cap Screw	M8x55 DIN 931	2
735		432.013	Lockwasher	A8, DIN 128	2
736		420.007	Hex Head Nut	M8, DIN 934	2
810		U614.013	Motor, 10 HP, 1800 RPM, 215TC Frame, TEFC	230/460V, 60HZ 1.15 S. F.	1
810		U624.009	Motor, 10 HP, 1800 RPM, 215TC Frame, EXP	230/460V, 60HZ 1.15 S. F.	1
820		641.060	Motor Control Center	7.5KW, 460V, 60HZ	1
820		641.080	Motor Control Center	7.5KW, 230V, 60HZ	1
858		668.204	Lock Nut, Page 16	Type CE 16M	3
861		668.156	Blind Plug, Page 29		1
865	002	668.016	Reducer, Page 13/9	Type RED 13/9M	1
911		456.632	Double Nipple	BSP R2" - NPT 2"	1
912		456.518	Reducing Bushing (Muffler)	BSP R2 1/2" - 2"	1
990- 5	OBV	461.073	Distributor for Rotary Union, Lower Sage Rotor	R1/8"	1
990- 6	OBV	461.074	Distributor for Bearing Cover Plate, Oil Pump Side		1
990- 8	OBV #1	480.246	Gasket, Bearing Cover Plate/Oil Pump		1
990- 9	OBV	528.004	Rotary Union Lower Stage Rotor	R1/8"	1
990-10	OBV #1	541.028	Oil Non-Return Valve	R1/8"	4
990-11	OBV #1	487.025	Shaft Seal, Viton, Bearing Cover Plate/Oil Pump Side	AD12x22x7	1
990-14	OBV	415.001	Plug	R1/8", DIN 906	2
990-15	OBV	413.440	Socket Head Cap Screw	M8x40, DIN 912	4
990-18	OBV #1	541.027	Oil Non-Return Valve Straight	M8x1	1
1000		U545.002	Interstage Pressure Switch (Less Piping)	UE Model H54-22 TEFC	1
1000		U545.022	Interstage Pressure Switch (Less Piping)	UE Model H110-126 EXP	1
1000	Note 14	U545.040	Interstage Pressure Switch (Less Piping)	UE Model H121-126 EXP	1

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Ref. No.	Remarks	Part No.	Description	Size	Quantity
1001		U546.007	Exhaust Temperature Switch (Less Thermal Block)	UE Model E54-22BC TEFC	1
1001		U546.001	Exhaust Temperature Switch (Less Thermal Block)	UE Model E110-7BS EXP	1
1001	Note 14	U546.024	Exhaust Temperature Switch (Less Thermal Block)	UE Model E121-3BS EXP	1
1002		U556.012	Thermal Block w/Fittings	1 1/2x1 1/2 HRS	1
1003		U549.006	Water Level Switch (Less Piping)	M4502-1725 Madison	1
1004		541.046	Interstage Bypass Valve		1
1005	014	546.054	Radiator Thermostat 80°C		1
1006	Note 14	U545.040	Inlet Pressure Switch (Less Piping)	UE Model H121-126 EXP	1
W/O	#	990.302	Gasket Set Complete		1
W/O		A993.706	Overhaul Kit Complete (s/n 1000-1999/21000-21999)		1
W/O		A993.707	Overhaul Kit Complete (s/n 2000 & up/22000-22285)		1
W/O	OBV	U993.016	Overhaul Kit Complete (s/n 22286 and up)		1

Note:

- ( 1) The gasket set P/N 990.302 contains the parts marked with an \* under Remarks.
- ( 2) The overhaul kits contain the parts marked with a # under Remarks. Note exceptions for older pumps.
- ( 3) The overhaul kit P/N U993.016 for an oil-behind-vanes pump contains the parts marked with a # and a #1 under Remarks.
- ( 4) Parts in ductile iron are marked D.I. under Remarks.
- ( 5) Parts used only on an 014 pump are marked 014.
- ( 6) Parts used only on an 002 pump are marked 002.
- ( 7) Parts used only on an oil-behind-vanes pump are marked OBV under Remarks.
- ( 8) All dimensions are given in millimeters, and all screw threads are metric except where stated in inches.

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- ( 9) Upper stage rotor for S/N 1000 to 1999 or 21000 to 21999 has narrow vane slots (4.00mm); this rotor is no longer available, but will be interchangeable with the new rotor with (6.00mm) vane slots. Part number for the new rotor is 210.504.
- (10) Upper stage vanes for S/N 1000 to 1999 or 21000 to 21999 are single vane arrangement - 200x33.5x3.8 - quantity 6 with part number 722.031.
- (11) See Drawing number 914.021 for detailed parts on Idler Pulley.
- (12) Please ask customer if he uses a gasket or an o-ring.
- (13) See Drawing number 947.100-105 for detailed parts on Overtemperature Switch.
- (14) This EXP Pressure or Exhaust Temperature switch was put in effect as of s/n
- (15) Other Temperature Thermostats are available - 70°C part number 546.053 and 90°C part number 546.055.
- (16) Older pumps (S/N below 1181) that do not use an O-ring on the inlet flange, use two gaskets and a flat inlet screen.
- (17) These parts have been replaced by Interstage Bypass valve (Ref. No. 1004). In order to install Ref. No. 1004 on pumps originally equipped with Ref. No. 530/531 the exhaust check valve housing needs to be modified. Please consult factory for details.
- (18) We reserve the right of alteration without prior consent.

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