

U.S. SEAL MFG.



POOL & SPA Pump Products

Seal Cross-Reference Guide for Pool & Spa Pumps

Pump Mfg.	Pump Model	Mfg. No.	Basic Service	Premier Viton® Service	SCS Series
Acura Spa Systems, Inc.	Aquaheat, Aquaheat Plus Magnaflow, Magnaflow 56 Maverick Supercharger, Supercharger II	1090-A 1090-A 1090-A 1090-A	PS-601 PS-601 PS-601 PS-601	PS-3986 PS-3986 PS-3986 PS-3986	PS-1904 PS-1904 PS-1904 PS-1904
American Products (A Pentair Brand)	Americana® Americana II® Bronze-Bronze Bronze-Noryl® Eagle® Eagle® Maxim™ Power-Glass® Ultra-Flo®	395005 397012 397012 395005 397012 397020 397012 397012 397020	PS-201 PS-1000 PS-1000 PS-201 PS-1000 PS-1000 PS-1000 PS-1000 PS-1000	PS-3868 PS-3865R PS-3865R PS-3868 PS-3865R PS-3865R PS-3865R PS-3865R PS-3865R	PS-1902 PS-1905 PS-1905 PS-1902 PS-1905 PS-1905 PS-1905 PS-1905 PS-1905
Ampro-Diaclear	Dia Cast, Lexan®-200 Series Dura-Flo, Noryl® Turbo, XL 600	AP-504D AP-304D	PS-163 PS-1000	PS-163V PS-3865R	— PS-1905
Anthony & Sylvan	AC, AC Series AJ Series	04380 04547	PS-1000 PS-100	PS-3865R PS-3866	PS-1905 PS-1900
Arneson Astral Pool	Pool Sweep Astramax Sena Spirit 2000	A-8 Series 1600 Series 1800 Series 1800	PS-200 PS-1000 PS-200 PS-201	PS-3867 PS-3865R PS-3867 PS-3868	PS-1901 PS-1905 PS-1901 PS-1902
Baker-Hydro		1585032 1585033 35B1175, 35B1178 634016	PS-185 PS-446 PS-200	PS-185V-CMS PS-446V-CMS PS-3867	PS-185V-SC-SC PS-7820 PS-1901
Columbia Diaclear			PS-142 PS-142	PS-142V PS-142V	— —
Doughboy Industries		306-1002 306-1006 306-1007	PS-1000 PS-2131 PS-200	PS-3865R PS-3869 PS-3867	PS-1905 PS-1906 PS-1901
Flo Tec (A Pentair Brand)	AT25101, AT251501 FP6022, FP6042 FPT20075, 20510, 20515		PS-201 PS-201 PS-201	PS-3868 PS-3868 PS-3868	PS-1902 PS-1902 PS-1902
Gecko Alliance, Group (Aqua Flo Pumps)	A-Series A & B Series AC-Series C-Series D-Series D-Series Circ-Master® Circ-Master® CP, HP, XP Dominator® Flo-Master® Flo-Master® Flo-Master® CP/HP Flo-Master® XP2, XP2E Flo-Master® XP3 Pond-Flo Tub-Master® Tub-Master® FMCP, FMHP, FMVP	92501000 & 92502020 92500050 92509040 92500000 92500050 92500040 92500050 92500151 92500150 High Head / Med Head 91049000 92500150 92500151 91049000	PS-200-EPR Contains EPR PS-1000 PS-1000 PS-309 PS-1000 PS-1000 PS-1000 PS-1000 PS-200 PS-3960 PS-200 PS-2131 PS-200 PS-200 PS-200 PS-200 PS-2131	— PS-3865R PS-3865R PS-309V-CMS PS-3865R PS-3865R PS-3865R PS-3867 PS-3867 PS-3867 PS-3869 PS-3867 PS-3867 PS-3867 PS-3867 PS-3869	— PS-1905 PS-1905 PS-3941 PS-1905 PS-1905 PS-1905 PS-1901 PS-1901 PS-1906 PS-1901 PS-1901 PS-1901 PS-1901 PS-1901 PS-1906
Hayward Industries	Booster Pump 5060 Booster Pump 6060 Cast Iron EcoStar® EcoStar® SVRS MaxFlo™ (SP2800X Series) MaxFlo II™, MaxFloXL™ MaxFlo VS™ 500 Omni NorthStar™ PowerFlo II™ SP1700 Series PowerFlo LX™ SP1580 Series PowerFlo Matrix® Super Pump® Super Pump® VS 700 Pmni Super Pump™ Super Pump II™ TriStar®, TriStar®VS TriStar 900 Series Turbo-Flo®	SPX1250XZ2 SPX2700SA SPX1250XZ2 SPX3200SA SPX1600Z2 SPX1600Z2GV SPX2700SA SPX2700SAV SPX3200SA SPX1500KA SPX1500KA SPX1500KA SPX1600Z2 SPX1600Z2VIT SPX2605X7A SPX2605X71 SPX3200SA SPX4000SAV SPX1500KA	PS-200 PS-3960 PS-200 PS-3890 PS-201 — PS-3960 — PS-3890 PS-2131 PS-2131 PS-2131 PS-201 — PS-201 PS-201 PS-3890 — PS-2131	PS-3867 PS-3867 PS-3867 PS-4280 PS-3868 PS-201V-CMS PS-3867 PS-3867 PS-4280 PS-3869 PS-3869 PS-3868 PS-3868 PS-3868 PS-4280 PS-4280 PS-3869	PS-1901 PS-1901 PS-1901 PS-1907 PS-1902 PS-1908 PS-1901 PS-1901 PS-1907 PS-1906 PS-1906 PS-1906 PS-1902 PS-1902 PS-1902 PS-1902 PS-1907 — PS-1906
Jacuzzi®	8M 10M A, J, JCM Series Cygnet B Series, CLR, Dominator K, KM Series L3 & L25 LCM, LCU Series, Vector LH,LPC,LPH,LR LTH, LTPH, SLR Series Magnum®, RC-Series Splash Pak K Vector (LVL)	10-1203-01 10-1299-06 10-0002-06 10-0002-06 10-0002-06 10-1436-00 10-0002-06 10-1502-09 10-0002-06	PS-877 PS-235 PS-200 PS-200 PS-501 PS-200 PS-200 PS-200 PS-200 PS-201 PS-201 PS-3890 — PS-2131	PS-877V PS-235V-CMS PS-3867 PS-3867 PS-3864 PS-3867 PS-3867 PS-3867 PS-3867 PS-3868 PS-3868 PS-4280 PS-4280 PS-4280	— PS-1901 PS-1901 PS-1903 PS-1901 PS-1901 PS-1901 PS-1901 PS-1902 PS-1901 PS-1901
Jandy® (Division of Zodiac® Pool Systems)	ePump™ Variable Speed FHP, JEP, MHP, PHP FloPro™ (FHPM) Series HHP, HHPU, JHP, JHPU Max HP Series MHPM Plus HP (PHPF/PHPM) Series New Style Old Style SHP, SWF, WFR Stealth™ (SHPF/SHPM) Series New Style Old Style VS FloPro™ Series, VS Plus HP Series Water Feature Series	R0479400 R0479400 R0479400 R0338200 R0479400 R0445500 R0479400 R0445500 R0479400 R0479400 R0445500 R0479400	PS-3890 PS-3890 PS-3890 PS-601 PS-3890 — PS-3890 — PS-3890 PS-3890 — PS-3890	PS-4280 PS-4280 PS-4280 PS-3986 PS-4280 PS-4231* PS-4280 PS-4231* PS-4280 PS-4280 PS-4231* PS-4280	PS-1907 PS-1907 PS-1907 PS-1904 PS-1907 — PS-1907 — PS-1907 PS-1907 — PS-1907
Lomart		40-027 40-029	PS-163 PS-163	PS-163V PS-163V	— —
Marlow	2AF-Series 3B-Series	25353-00 27223-00	PS-411 PS-416A	PS-411V —	— PS-1910

Pump Mfg.	Pump Model	Mfg. No.	Basic Service	Premier Viton® Service	SCS Series
	4SPC AF Series Argonaut® H-Series L-Series Mardur® SCT Series SS	28146200000 38592-00 186862 186543 38592-00 46328-00	PS-7497 PS-411 PS-201 PS-411 PS-978 PS-514 PS-201 PS-2161	PS-7497V PS-411 PS-3868 PS-411V — PS-2055V-CMS PS-3868 —	— — PS-1902 — — — PS-1902 —
Muskin		09-2001 09-2013	PS-163 PS-142	PS-163V —	— —
Pentair Pool Products		353096 353253S 359607S U9-372SS U17125S U109-136SS 354545 354545S 071725S 354545 354545 071725S 354001 071734S 071734 071734SP 17351-0101S 071728 17351-0102 354545S 354545S 17351-0101S 071734 354545S 071734S	PS-2742 PS-2700 — PS-2744* PS-360 PS-1000 PS-200 PS-200 PS-360 PS-200 PS-360 PS-201 PS-961 PS-1000 PS-1000 PS-201 PS-201 PS-100 PS-200 PS-200 PS-201 PS-1000 PS-200 PS-1000	— PS-3867 — — PS-3874 PS-3865R PS-3867 PS-3867 PS-3874 PS-3867 PS-3867 PS-3868 PS-3865R PS-3865R PS-3868 PS-201V-CMS PS-3868 PS-3866 PS-3867 PS-201V-CMS PS-3867 PS-3865R PS-3867 PS-3865R	— PS-1901 PS-1902 — — PS-1909 PS-1905 PS-1901 PS-1901 PS-1909 PS-1901 PS-1901 PS-1902 PS-1905 PS-1905 PS-1908 PS-1902 PS-1900 PS-1901 PS-1901 PS-1908 PS-1905 PS-1901 PS-1905
*Contains EPR	C Series (Commercial Bronze) CF6 Challenger® Challenger® Centrifugal C-Series® Dynatron® Dynamo® Aboveground EQ SERIES Hydropump® IntelliFlo® IntelliFlo® 011018 IntelliFlo® VSF IntelliFloXF® VSP L-Series™ Optiflo® Aboveground Pinnacle®, Superflo® SuperFlo® VST Universal Booster Pump Waterfall Specialty Pump Whisperflo®				
Polaris® (Division of Zodiac)	Polaris® PB4-60 Booster Pump Polaris® PB4SD™ Booster Pump	P55 R0479400	PS-1000 PS-3890	PS-3865R PS-4280	PS-1905 PS-1907
Speck Industries		2920060603 60603-200 2920343310 2921606204	PS-200 PS-200 VGM-2920 PS-200	PS-3867 PS-3867 VGM-2920V PS-3867	PS-1901 PS-1901 — PS-1901
Sta-Rite (A Pentair Brand)		U9-433SS 37400-0028S U109-433SS U109-136SS S-32015 S-32014 U109-433SS 37400-0027S 17304-0100S U109-358SS 37400-0028S U109-358SS 37400-0027S After June 2000 Dyna-Jet™ Dyna-Glas® / Dyna-Max® After June 2000 Dyna-Jet™ Dyna-Pro™ Dyna-Wave® HP-Series IntelliPro® VSF JS Series JW/JWPA Series After Jan. 2001 LT Series Max-E-Glas™ PE, PEA, P2R, P2RA Max-E-Glas™II P4E, P4EA, P4R, P4RA Max-E-Pro™ P6E, P6RA Max-E-ProXF® VS	PS-3883 — PS-185 PS-1000 PS-446 PS-185 PS-185 PS-201 PS-200 PS-201 PS-201 PS-201 PS-201 PS-201 PS-201 PS-1000 PS-851-EPR* PS-201 PS-201 PS-201 PS-163 PS-200 PS-201 PS-201	— PS-201V-CMS PS-185V-CMS PS-3865R — PS-185V-CMS PS-185V-CMS PS-201V-CMS PS-3867 PS-201V-CMS PS-201V-CMS PS-201V-CMS PS-201V-CMS PS-201V-CMS PS-201V-CMS PS-3865R PS-185V-CMS PS-201V-CMS PS-201V-CMS PS-201V-CMS PS-163V PS-3867 PS-201V-CMS PS-201V-CMS	— PS-1908 PS-185V-SC-SC PS-1905 — PS-185V-SC-SC PS-185V-SC-SC PS-1908 PS-1901 PS-1908 PS-1908 PS-1908 PS-1908 PS-1908 PS-1908 PS-1908 PS-1905 PS-185V-SC-SC PS-1908 PS-1908 PS-1908 PS-1908 PS-1901 PS-1908 PS-1908
*Contains EPR	Dura-Glas®II Dura-Glas®II- P4E, P4EA, P4R, P4RA Dura-Jet Dyna-Glas® / Dyna-Max® After June 2000 Dyna-Jet™ Dyna-Pro™ Dyna-Wave® HP-Series IntelliPro® VSF JS Series JW/JWPA Series After Jan. 2001 LT Series Max-E-Glas™ PE, PEA, P2R, P2RA Max-E-Glas™II P4E, P4EA, P4R, P4RA Max-E-Pro™ P6E, P6RA Max-E-ProXF® VS				
Sundance® Spas	Theramax / Theraflo	6500-281 6500-447	PS-201 PS-200	PS-201V-CMS PS-3867	PS-1908 PS-1901
Swim Quip	XL, VI/XL, VII Series	37407-0009	PS-201	PS-201V-CMS	PS-1908
Vico	SuperFlo, UltraFlo, Ultima	PPSFSEAL	PS-4274	PS-3870	—
Water Ace	RSP-7,10,15	25053A000	PS-3845	—	—
Waterco USA	Aquamile, Aquestream Hydrostar Self Priming, Hydrostream Supastream Supatuf Tiny Might-(Circulator Pump)	 6340162	PS-601 PS-601 PS-671	PS-3986 PS-3986 —	PS-1904 PS-1904 —
Waterway Plastics	CSA Supreme, E Series Center Discharge EX2, HI FLO 2 Iron Might (2013-Present) Spa Flo, Spa Flo II Viper, Supreme Champion 56-Frame	319-3010/B 319-3090/B 319-3100/B, 319-3110	— PS-1000	PS-3867 PS-3865R	— PS-1905
* Contains graphite loaded silicon carbide mating ring and flange o-ring	CSA Hi-Flo II Side Discharge Executive - Viton® - 56 Frame Executive 48 & 56 Frame - Center Discharge Hi-Flo Side Discharge Iron Might (Pre-2013) Power Defender (Variations except Booster) SMF, SVL56 High Flow Workman Booster Pump	 319-3100B 319-3290	 — PS-4577**	 VG-9596* PS-4280	 — —
**Contains EPR		15693	PS-201	PS-3868	PS-1902
Wayne Water Sylems		A0580501 & A0580502	PS-2733*	PS-3868	—
Zodiac® Pool Systems					

BASIC POOL APPLICATION
Basic Service
Materials of Construction • Buna Elastomers • Molded Plastic Primary Ring • Ceramic Seat • Stainless Steel Hardware

POOL & SPA APPLICATIONS
Premier Viton® Service
Materials of Construction • Viton® Elastomers • Carbon Primary Ring • Polished Ceramic Seat • Stainless Steel Hardware

COMMERCIAL / RESIDENTIAL
SCS Series
Materials of Construction • Viton® Elastomers • Silicon Carbide Primary Ring • Silicon Carbide Seat • Stainless Steel Hardware

Size	U.S. Seal Mfg. Part No.	Head	Seat
5/8"	PS-100	A	1
1/2"	PS-142	B	1
1/2"	PS-163	B	1
5/8"	PS-200	A	1
3/4"	PS-201	A	1
1"	PS-360	A	1
5/8"	PS-411	B	11
5/8"	PS-501	A	1
3/4"	PS-601	B	1
3/8"	PS-671	B	1
5/8"	PS-1000	B	1
5/8"	PS-2131	A	31
5/8"	PS-2161	B	1
5/8"	PS-3845	B	8
1 1/4"	—	—	—
3/4"	—	—	—
7/8"	—	—	—
1 3/4"	—	—	—
5/8"	—	—	—
3/4"	—	—	—
5/8" 3/4"	—	—	—
5/8"	—	—	—
1 5/8"	—	—	—
25MM	—	—	—
1 1/4"	—	—	—

U.S. Seal Mfg. Part No.	Head	Seat
PS-3866	G	1
PS-142V	B	1
PS-163V	B	1
PS-3867	G	1
PS-3868	G	1
PS-3874	G	1
—	—	—
PS-3864	A	1
PS-3986	B	1
—	—	—
PS-3865R	B	1
PS-3869	G	31
—	—	—
—	—	—
PS-185V-CMS	C	1
PS-201V-CMS	A	1
PS-309V-CMS	C	1
PS-446V-CMS	C	1
PS-3212	B	1
PS-3870	G	32
PS-4231	G	1
PS-4280	G	1
PS-7497V	C	25
—	—	—
—	—	—

U.S. Seal Mfg. Part No.	Head	Seat
PS-1900	G	1
—	—	—
—	—	—
PS-1901	G	1
PS-1902	G	1
—	—	—
—	—	—
PS-1903	A	1
PS-1904	B	1
—	—	—
PS-1905	B	1
PS-1906	G	31
—	—	—
—	—	—
PS-185V-SC-SC	C	1
PS-1908	A	1
PS-3941	C	1
PS-7820	C	1
—	—	—
—	—	—
—	—	—
PS-1907	G	1
—	—	—
PS-1909	G	1
PS-1910	C	25

Head and Seat Types



Capacitors

RUN CAPACITORS - 370 Volt	
U.S. Seal Mfg. Part No.	MFD.
RD-15-370	15
RD-20-370	20
RD-25-370	25
5VR0303	30
RD-35-370	35
RD-35-10-370	35
RD-50-370	50



START CAPACITORS - 115 Volt	
U.S. Seal Mfg. Part No.	MFD.
BC-25	25-30
BC-30	30-36
BC-36	36-43
BC-36M-250-S*	36-43
BC-56	56-75
BC-64	64-77
BC-75	72-88
BC-86	88-108
BC-108	108-130
BC-124	124-149
BC-145	145-175
BC-161	161-193
BC-189	189-227
BC-216	216-259
BC-243	243-292
BC-270	270-324
BC-324	324-388
BC-340	340-408
BC-378	378-455
BC-400	400-480
BC-460	460-552

* 250 Volt

U.S. SEALUBE

SEAL INSTALLATION LUBRICANT	
U.S. Seal Mfg. Part No.	Available In
LUBE-PP	1 cc Pillow Pak
LUBE-10ML	10 ml Tube
LUBE-050Z	SS to 10 ml Tube
LUBE-4OZ	4 oz. Bottle
LUBE-8OZ	8 oz. Bottle



- Compatible with all seal types and elastomers
- 15-20 minutes work time before drying
- Totally evaporates, leaving no residue which can lead to premature seal failure

Ball Bearings



DOUBLE SEALED BALL BEARINGS	
U.S. Seal Mfg. Part No.	Size
RBL-6202-LL	15 MM
RBL-6202-16-LL	16 MM
RBL-6203-LL	17 MM
RBL-6203-10-LL	.625"
RBL-6204-LL	20 MM
RBL-6304-LL	20 MM

Common Causes of Seal Failure

1. The seal was installed using the wrong lubricant. Be sure to use a water soluble lubricant, such as U.S. SEALUBE, instead of a PTFE or silicone based lubricant.
2. The wrong seal type was selected. Be sure to select the correct seal type and materials for specific application.
3. Pump and/or motor do not meet original factory specifications. Check for worn or damaged components. Repair and replace as necessary.



DEMAND QUALITY . . .

DEMAND U.S. SEAL MFG.

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MEMBER


The Association of
Pool & Spa Professionals™

VGS
VALUE GUARD SEAL

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