



# Universal 1 PD Pump Seals REFERENCE CHART

Standard O-ring Selections, Descriptions and Color Codes for WCB Brand Pumps		Fluorocarbon Rubber (FKM) Compound Color: Rust, Brown or Black Color Code: White FDA Compliant to 21CFR177.2600 3A Sanitary	Perfluoroelastomer (FFKM) Compound Color: Black Color Code: None Individually packaged with size and material noted.
<b>Ethylene Propylene Diene Rubber (EPDM)</b> Compound Color: Black or Purple Color Code: Green FDA Compliant to 21CFR177.2600		<b>Silicone (Si)</b> Compound Color: Orange Color Code: Black FDA Compliant to 21CFR177.2600 3A Sanitary	<b>PTFE Encapsulated</b> Compound Color: Translucent coating over Orange or Black Silicone or FKM core Color Code: None FDA Compliant to 21CFR177.2600
<b>Ethylene Propylene Diene Rubber (Sulfur Free) (EPDM)</b> Compound Color: Black or Purple Color Code: Blue FDA Compliant to 21CFR177.2600		<b>Nitrile (Buna-N) (NBR)</b> Compound Color: Black Color Code: Yellow FDA Compliant to 21CFR	

## O-RING AND MECHANICAL SEAL PARTS

CATEGORY	DESCRIPTION	QTY. PER PUMP	PART NO. (BY MODEL)			
			006-014-015-UI	030-034-040-UI	060-064-130-134-UI	220-224-UI
<b>BUNA O-RINGS</b>	O-ring, Body, Buna N	2	AD0 079 000	N70327	N70331	N70338
	O-ring, Shaft, Buna N		N70022	N70028	N70131	N70144
	O-ring, Outer, Buna N - Seal Carrier		N50228	N50335	N50338	N50344
<b>EPDM O-RINGS</b>	O-ring, Body, EPDM	2	AD0 079 002	E70327	E70331	E70338
	O-ring, Shaft, EPDM		E70022	E70028	E70131	E70144
	O-ring, Outer, EPDM - Seal Carrier		n/a	E50335	E50338	E50344
<b>FKM O-RINGS</b>	O-ring, Body, FKM	2	AD0 079 V00	V70327	V70331	V70338
	O-ring, Shaft, FKM		V70022	V70028	V70131	V70144
	O-ring, Outer, FKM - Seal Carrier		n/a	V50335	V50338	V50344
<b>SILICONE O-RINGS</b>	O-ring, Body, Silicone	2	AD0 079 SC0	S75327	S75331	S75338
	O-ring, Shaft, Silicone		S75022	S75028	S75131	S75144
<b>SLEEVES, SEATS AND CARRIERS</b>	Sleeve, SS	2	015 098 000+	030 098 000+	060 098 000+	220 098 000+
	O-ring Seal Carrier (after 7/12/04 (NEW))		015 034 001+	030 034 001+	060 034 001+	220 034 001+
	O-ring Seal Carrier (before 7/12/04 (OLD))		015 034 000+	030 034 000+	060 034 000+	220 034 000+
	Sleeve, Zirconia		015 098 004+	030 098 004+	060 098 004+	220 098 004+
	<b>CHROME OXIDE</b>					
	Sleeve, Chrome Oxide	2	015 098 002+	030 098 002+	060 098 002+	220 098 002+
	Seal Seat, Chrome Oxide		015 014 001+	030 014 001+	060 014 001+	220 014 001+
	Seal Inner, Chrome Oxide		015 306 002+	030 306 002+	060 306 002+	220 306 002+
	Outer Seal, Chrome Oxide		n/a	030 206 002+	060 206 002+	220 206 002+
	<b>CERAMIC</b>					
	Seal Seat, Ceramic	2	015 014 002+	030 014 002+	060 014 002+	220 014 002+
	Seal Inner, Ceramic		40635+	40821+	40642+	40830+
	<b>SILICON / SILICON CARBIDE</b>					
	O-ring, Outer, Silicone - Seal Carrier	2	n/a	S50335	n/a	S50344
	Seal Seat, Silicon Carbide S		015 014 009+	030 014 009+	060 014 009+	220 014 009+
Seal Inner, Silicon Carbide	015 306 009+		030 306 009+	060 306 009+	220 306 009+	
<b>CARBON</b>						
Seal Inner, Carbon (2 piece)	2	015 306 001 +	030 306 001+	060 306 001+	220 306 001 +	
Seal Inner, Carbon (1 piece)		015 306 007+	030 306 007+	060 306 007+	220 306 007+	
Outer Seal, Carbon (1 piece)		015 206 007+	030 206 007+	060 206 007+	220 206 007+	
<b>OTHER</b>	Wave Spring	2	015 304 000+	030 304 000+	060 304 000+	220 304 000+

## BEARING RETAINER / SEAL PART NUMBER REFERENCE

UI MODEL NUMBER	ITEM	DESCRIPTION	FOR PUMPS MANUFACTURED:			NOTES
			BEFORE 7/30/01	APPROX. 7/30/01-7/12/04	AFTER 7/12/04 (NEWEST)	
<b>006, 014, 015, 018, 024</b>	14	Grease Seal, Bearing Retainer, standard gearcase	000030018+		121679+	
	14	Grease Seal, Bearing Retainer, SS gearcase	101716+			4
	32	Bearing Retainer, Front SS, for standard gearcase	015080000+		120332+	
	32	Bearing Retainer, Front SS, for SS Gearcase or Bearing Isolator	101810+			4
		Bearing Isolator Kit	X06636-1	X06638-1		
	84	O-ring Seal Carrier	015034000+		015034001+	
<b>030, 034, 040</b>	14	Grease Seal, Bearing Retainer	000030015+		121680+	
	32	Bearing Retainer, Front SS	030080000+	101811+	120333+	2
		Bearing Isolator Kit	X06558-1	N/A	X06639-1	2
	84	O-ring Seal Carrier	030034000+		030034001+	
<b>060, 064, 130, 134</b>	14	Grease Seal, Bearing Retainer	000030009+			
	32	Bearing Retainer, Front CTD	N/A, use 123531+		123531+	5
	32	Bearing Retainer, Front SS, for std. lip seal	121828+			6
	32	Bearing Retainer, Front SS, used with bearing isolators.	101812+			6
		Bearing Isolator Kit, SS	N/A, use X06614-2		X06614-2	
	84	O-ring Seal Carrier	060034000+		060034001+	
<b>220, 224</b>	14	Grease Seal, Bearing Retainer	N/A; use 121681+		121681+	1
	32	Bearing Retainer, Front CTD	220080000+		N/A use 121829+	
	32	Bearing Retainer, Front SS	101813+		121829+	
		Bearing Isolator Kit	N/A	X06634-2	N/A	3
<b>320, 324</b>	84	O-ring Seal Carrier	220034000+		220034001+	
	14	Grease Seal, Bearing Retainer	N/A; use 121681+		121681+	1
	32	Bearing Retainer, Front CTD	0H1080000		N/A, use 123533+	
	32	Bearing Retainer, Front SS	118365+		123533+	

NOTES:  
 CTD = Coated Steel; SS = Stainless Steel  
 1. Pumps manufactured up through 1993 may take STD030005 instead (used old-style shafts). Verify serial no. to confirm.  
 2. 101811+ is used with bearing isolators. If isolator is needed, use part # X06639 (no kit available). Check gearcase s/n.  
 3. Isolator kit X06634-2 contains 101813+ bearing retainer.  
 4. 101810+ bearing retainer is used with 101716+ grease seal.  
 5. 123531+ is available until stock is depleted, then will be replaced by 121828+.  
 6. 101812+ is used on AP and SP pumps. This part is used with bearing isolators; for std. lip seal, use part # 121828+.

Based in Charlotte, North Carolina, SPX FLOW, Inc. (NYSE: FLOW) is a multi-industry manufacturing leader. For more information, please visit [www.spxflow.com](http://www.spxflow.com)

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