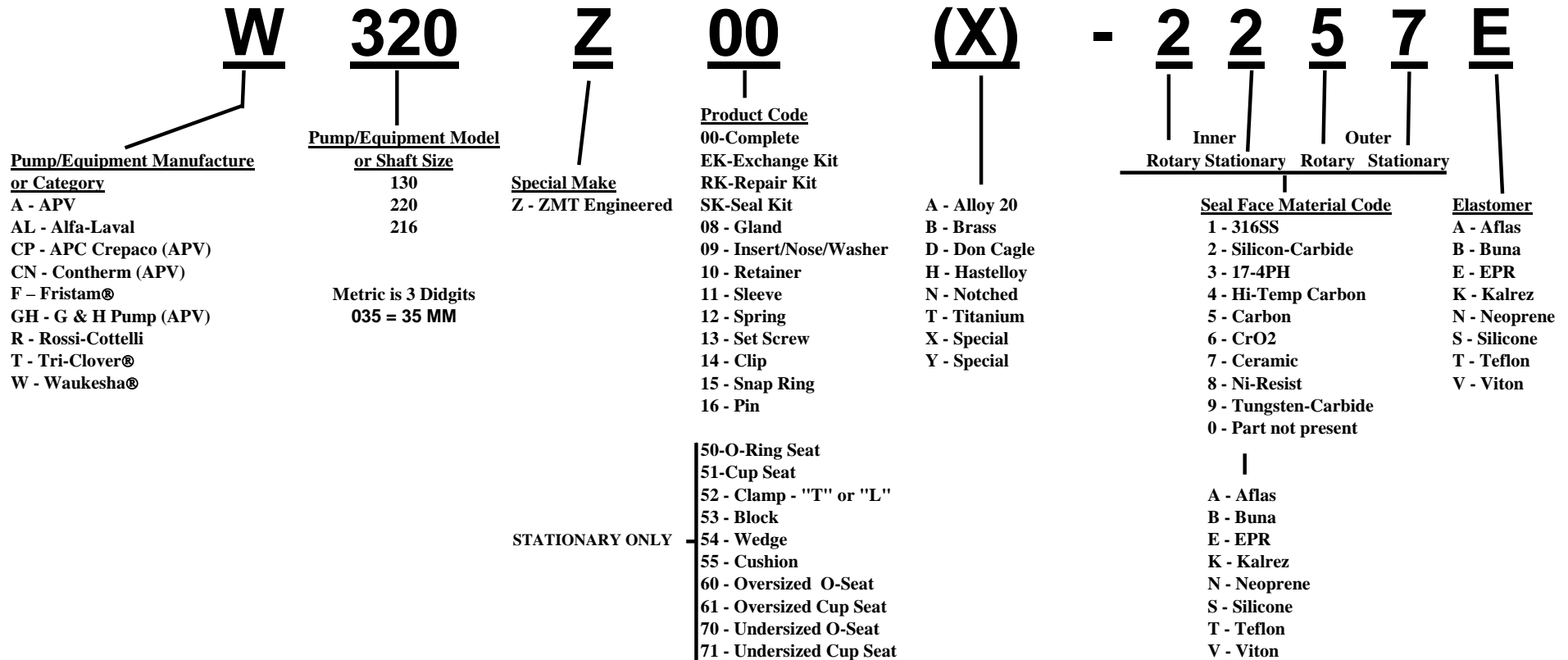




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 Part numbers provided by ZMT, Inc. are for standard seals.

## ZMT SEAL PART NUMBER SYSTEM





ZMT Effective Date

1/1/2012

Subject to Change without notice. F.O.B. Stockton, CA

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**SEAL LIST - Alfa Laval LKH 5-60 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
Single Seal Assembly, 1.250" (31.7 mm)	CBN/SiC/EPDM	9612-1296-09	ALKH1250-00-5200E
Single Seal Assembly, 1.250" (31.7 mm)	CBN/SiC/Buna	9612-1296-10	ALKH1250-00-5200B
Single Seal Assembly, 1.250" (31.7 mm)	CBN/SiC/Viton®	9612-1296-11	ALKH1250-00-5200V
Single Seal Assembly, 1.250" (31.7 mm)	SiC/SiC/EPDM	9612-1296-05	ALKH1250-00-2200E
Single Seal Assembly, 1.250" (31.7 mm)	SiC/SiC/Buna	9612-1296-06	ALKH1250-00-2200B
Single Seal Assembly, 1.250" (31.7 mm)	SiC/SiC/Viton®	9612-1296-07	ALKH1250-00-2200V
Double Seal Assembly, 1.250" (31.7 mm)	CBN/SiC/EPDM-CBN/SiC/EPDM	9612-1296-13	ALKH1250-00-5252E
Double Seal Assembly, 1.250" (31.7 mm)	CBN/SiC/Buna-CBN/SiC/Buna	9612-1296-14	ALKH1250-00-5252B
Double Seal Assembly, 1.250" (31.7 mm)	CBN/SiC/Viton®-CBN/SiC/Viton®	9612-1296-15	ALKH1250-00-5252V
Double Seal Assembly, 1.250" (31.7 mm)	SiC/SiC/EPDM-SiC/SiC/EPDM	9612-1296-17	ALKH1250-00-2222E
Double Seal Assembly, 1.250" (31.7 mm)	SiC/SiC/Buna-SiC/SiC/Buna	9612-1296-18	ALKH1250-00-2222B
Double Seal Assembly, 1.250" (31.7 mm)	SiC/SiC/Viton®-SiC/SiC/Viton®	9612-1296-19	ALKH1250-00-2222V

**SEAL LIST - Alfa Laval LKH 70-80 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
Single Seal Assembly, 42mm	SiC/CBN/EPDM	9612-5151-01	ALKH042-00-5200E
Single Seal Assembly, 42mm	SiC/CBN/Buna	9612-5151-02	ALKH042-00-5200B
Single Seal Assembly, 42mm	SiC/CBN/Viton®	9612-5151-03	ALKH042-00-5200V
Single Seal Assembly, 42mm	SiC/SiC/EPDM	9612-5151-05	ALKH042-00-2200E
Single Seal Assembly, 42mm	SiC/SiC/Buna	9612-5151-06	ALKH042-00-2200B
Single Seal Assembly, 42mm	SiC/SiC/Viton®	9612-5151-07	ALKH042-00-2200V

**SEAL LIST - Alfa Laval LKH 110-120 Multi-Stage Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
Single Seal Assembly, Non-Flushed 32 mm	SiC/CBN/EPDM	9612-3622-01	ALKH032P-00-5200E
Single Seal Assembly, Non-Flushed 32 mm	SiC/CBN/Buna	9612-3622-02	ALKH032P-00-5200B
Single Seal Assembly, Non-Flushed 32 mm	SiC/CBN/Viton®	9612-3622-03	ALKH032P-00-5200V
Single Seal Assembly, Non-Flushed 32 mm	SiC/SiC/EPDM	9612-3622-04	ALKH032P-00-2200E
Single Seal Assembly, Non-Flushed 32 mm	SiC/SiC/Buna	9612-3622-05	ALKH032P-00-2200B
Single Seal Assembly, Non-Flushed 32 mm	SiC/SiC/Viton®	9612-3622-06	ALKH032P-00-2200V

**SEAL LIST - Alfa Laval CL Centrifugal Pump (also for Tri-Clover® CL)**

Description	Material	Reference Part No.	ZMT Part No.
Single Mechanical Seal Assembly, 32 mm	CBN/SiC/EPDM	9612-7118-01	TCL2264-00-5200E
Single Mechanical Seal Assembly, 32 mm	CBN/SiC/Buna	9612-7118-02	TCL2264-00-5200B
Single Mechanical Seal Assembly, 32 mm	CBN/SiC/Viton®	9612-7118-03	TCL2264-00-5200V
Single Mechanical Seal Assembly, 32 mm	SiC/SiC/EPDM	9612-7119-01	TCL2264-00-2200E
Single Mechanical Seal Assembly, 32 mm	SiC/SiC/Buna	9612-7119-02	TCL2264-00-2200B
Single Mechanical Seal Assembly, 32 mm	SiC/SiC/Viton®	9612-7119-03	TCL2264-00-2200V

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ZMT Effective Date

1/1/2012

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**SEAL LIST - APV W 20/20; 30/25; 30/50; 40/20; 50/25; 25/75 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/CBN/EPDM	549-P-179644	AW025-52-5200E
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/CBN/Buna	549-P-771661	AW025-52-5200B
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/CBN/Viton®	549-P-179647	AW025-52-5200V
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/SiC/EPDM	549-P-179645	AW025-52-2200E
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/SiC/Buna	549-P-771662	AW025-52-2200B
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/SiC/Viton®	549-P-179648	AW025-52-2200V
Mechanical Double Seal assembly 25mm, flushed	SiC/CBN/EPDM	549-P-179656	AW025-52-5252E
Mechanical Double Seal assembly, 25mm, flushed	SiC/CBN/Buna	549-P-771679	AW025-52-5252B
Mechanical Double Seal assembly, 25mm, flushed	SiC/CBN/Viton®	549-P-179659	AW025-52-5252V
Mechanical Double Seal assembly, 25mm, flushed	SiC/SiC/CBN/EPDM	549-P-179657	AW025-52-2252E
Mechanical Double Seal assembly, 25mm, flushed	SiC/SiC/CBN/Buna	549-P-771680	AW025-52-2252B
Mechanical Double Seal assembly, 25mm, flushed	SiC/SiC/CBN/Viton®	549-P-771660	AW025-52-2252V

**SEAL LIST - APV W 80/50; 70/30; 50/50; 30/100; 50/100; 60/300; 100/130 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/CBN/EPDM	549-P-179650	AW035-52-5200E
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/CBN/Buna	549-P-771670	AW035-52-5200B
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/CBN/Viton®	549-P-771653	AW035-52-5200V
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/SiC/EPDM	549-P-179651	AW035-52-2200E
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/SiC/Buna	549-P-771671	AW035-52-2200B
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/SiC/Viton®	549-P-771654	AW035-52-2200V
Mechanical Double Seal assembly, 35mm, flushed	SiC/CBN/EPDM	549-P-179662	AW035-52-5252E
Mechanical Double Seal assembly, 35mm, flushed	SiC/SiC/CBN/EPDM	549-P-179663	AW035-52-2252E
Mechanical Double Seal assembly, 35mm, flushed	SiC/CBN/Viton®	549-P-179665	AW035-52-5252V
Mechanical Double Seal assembly, 35mm, flushed	SiC/SiC/CBN/Viton®	549-P-179666	AW035-52-2252V

**SEAL LIST - APV W+ 10/8, 22/20; 30/80; 35/35; 35/55; 50/8, 55/35 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/CBN/EPDM	549-P-772461	AW+025-55-2500E
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/CBN/Viton®	549-P-772462	AW+025-55-2500V
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/SiC/EPDM	549-P-772463	AW+025-55-2200E
Mechanical Single Seal assembly, 25mm, non-flushed	SiC/SiC/Viton®	549-P-772464	AW+025-55-2200V

**SEAL LIST - APV W+ 25/210; 30/120; 30/180; 55/60; 60/110; 65/350, 70/40; 80/80; 110/130**

Description	Material	Reference Part No.	ZMT Part No.
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/CBN/EPDM	549-P-772466	AW+035-55-2500E
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/CBN/Viton®	549-P-772467	AW+035-55-2500V
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/SiC/EPDM	549-P-772468	AW+035-55-2200E
Mechanical Single Seal assembly, 35mm, non-flushed	SiC/SiC/Viton®	549-P-772469	AW+035-55-2200V

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ZMT Effective Date

1/1/2012

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**SEAL LIST - Alfa Laval (G&H) TSE/SRU 1 (322 & 332) PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
20mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/EPDM	9630053608	GH322-00-1500E
20mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Buna	9630070142	GH322-00-1500B
20mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Viton®	9630060999	GH322-00-1500V
20mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/EPDM	9630090686	GH322-00-2500E
20mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Buna	9630090687	GH322-00-2500B
20mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Viton®	9630057357	GH322-00-2500V
20mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/EPDM	9630053609	GH322-00-2200E
20mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Buna	9630090685	GH322-00-2200B
20mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Viton®	9630065312	GH322-00-2200V

**SEAL LIST - Alfa Laval (G&H) TSE/SRU 2 (422 & 432) PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
30mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/EPDM	9630046731	GH422-00-1500E
30mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Buna	9630046729	GH422-00-1500B
30mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Viton®	9630046730	GH422-00-1500V
30mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/EPDM	9630046747	GH422-00-2500E
30mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Buna	9630046745	GH422-00-2500B
30mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Viton®	9630046746	GH422-00-2500V
30mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/EPDM	9630046760	GH422-00-2200E
30mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Buna	9630046758	GH422-00-2200B
30mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Viton®	9630046759	GH422-00-2200V

**SEAL LIST - Alfa Laval (G&H) TSE/SRU 3 (522 & 532) PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
35mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/EPDM	9630046735	GH522-00-1500E
35mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Buna	9630046733	GH522-00-1500B
35mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Viton®	9630046734	GH522-00-1500V
35mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/EPDM	9630046751	GH522-00-2500E
35mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Buna	9630046749	GH522-00-2500B
35mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Viton®	9630046750	GH522-00-2500V
35mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/EPDM	9630046763	GH522-00-2200E
35mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Buna	9630046761	GH522-00-2200B
35mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Viton®	9630046762	GH522-00-2200V

**SEAL LIST - Alfa Laval (G&H) TSE/SRU 4 (622 & 632) PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
45mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/EPDM	9630046741	GH622-00-1500E
45mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Buna	9630046737	GH622-00-1500B
45mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Viton®	9630046740	GH622-00-1500V
45mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/EPDM	9630046754	GH622-00-2500E
45mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Buna	9630046752	GH622-00-2500B
45mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Viton®	9630046753	GH622-00-2500V
45mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/EPDM	9630046767	GH622-00-2200E
45mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Buna	9630046765	GH622-00-2200B
45mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Viton®	9630046766	GH622-00-2200V

**SEAL LIST - Alfa Laval (G&H) TSE/SRU 5 (722 & 732) PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
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55mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/EPDM	9630046744	GH722-00-1500E
55mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Buna	9630046738	GH722-00-1500B
55mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Viton®	9630046743	GH722-00-1500V
55mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/EPDM	9630046757	GH722-00-2500E
55mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Buna	9630046755	GH722-00-2500B
55mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Viton®	9630046756	GH722-00-2500V
55mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/EPDM	9630046771	GH722-00-2200E
55mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Buna	9630046769	GH722-00-2200B
55mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Viton®	9630046770	GH722-00-2200V

### SEAL LIST - Alfa Laval (G&H) TSE/SRU 6 (822 & 832) PD Pump

Description	Material	Reference Part No.	ZMT Part No.
67mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/EPDM	9630041719	GH822-00-1500E
67mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Buna	9630053215	GH822-00-1500B
67mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SS/Viton®	9630030780	GH822-00-1500V
67mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/EPDM	9630041729	GH822-00-2500E
67mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Buna	9630090689	GH822-00-2500B
67mm G&H PD Seal Kit, Hyclean Single non-flushed	CBN/SiC/Viton®	9630057267	GH822-00-2500V
67mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/EPDM	9630041720	GH822-00-2200E
67mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Buna	9630060539	GH822-00-2200B
67mm G&H PD Seal Kit, Hyclean Single non-flushed	SiC/SiC/Viton®	9630049360	GH822-00-2200V

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ZMT Effective Date

1/1/2012

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**SEAL LIST - Fristam® FP, FPX, Size - 633 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
22 mm, Single Mechanical seal kit	CrO2/CBN/Viton®	1802600002	F180-2600002
22 mm, Single Mechanical seal kit	SiC/CBN/Viton®	1802600004	F180-2600004
22 mm, Double Mechanical seal kit	CrO2/CBN/Cer/Viton®	1802600000	F180-2600000
22 mm, Double Mechanical seal kit	SiC/CBN/Cer/Viton®	1802600003	F180-2600003
22 mm, Double Mechanical seal kit	SiC/CBN/SiC/Viton®	1802600295	F180-2600295
22 mm, Single Mechanical seal kit - Split	CrO2/SiCt/Viton®	1802600135	F180-2600135
22 mm, Single Mechanical seal kit - Split	SiC/SiCt/Viton®	1802600005	F180-2600005
22 mm, Double Mechanical seal kit - Split	CrO2/SiCt/Cer/Viton®	1802600140	F180-2600140
22 mm, Double Mechanical seal kit - Split	SiC/SiCt/Cer/Viton®	1802600006	F180-2600006
22 mm, Double Mechanical seal kit - Split	SiC/SiCt/SiC/Viton®	1802600314	F180-2600314
22 mm, Double Mechanical seal kit - Split	Cer/Cer/Cer/Viton®	1802600299	F180-2600299
22 mm, Single Mechanical seal kit - Tapered	CrO2/CBN/Viton®	1802600298	F180-2600298
22 mm, Single Mechanical seal kit - Tapered	SiC/CBN/Viton®	1802600325	F180-2600325

**SEAL LIST - ZMT Engineered Fristam® FP, FPX, Size - 633 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
22mm Fristam 633 Single Mechanical Seal	CBN/SiC/EPDM	1802600002, 1802600004	F022Z-00-2500E
22mm Fristam 633 Single Mechanical Seal	CBN/SiC/Viton®	1802600002, 1802600004	F022Z-00-2500V
22mm Fristam 633 Single Mechanical Seal	SiC/SiC/EPDM	1802600005	F022Z-00-2200E
22mm Fristam 633 Single Mechanical Seal	SiC/SiC/Viton®	1802600005	F022Z-00-2200V
22mm Fristam 633 Double Mechanical Seal	CBN/SiC/CBN/EPDM	1802600000, 1802600003	F022Z-00-2552E
22mm Fristam 633 Double Mechanical Seal	CBN/SiC/CBN/Viton®	1802600000, 1802600003	F022Z-00-2552V
22mm Fristam 633 Double Mechanical Seal	SiC/SiC/CBN/EPDM	1802600006	F022Z-00-2252E
22mm Fristam 633 Double Mechanical Seal	SiC/SiC/CBN/Viton®	1802600006	F022Z-00-2252V
22mm Fristam 633 Single Seal Kit	CBN/SiC/EPDM	--	F022Z-SK-2500E
22mm Fristam 633 Single Seal Kit	CBN/SiC/Viton®	--	F022Z-SK-2500V
22mm Fristam 633 Single Seal Kit	SiC/SiC/EPDM	--	F022Z-SK-2200E
22mm Fristam 633 Single Seal Kit	SiC/SiC/Viton®	--	F022Z-SK-2200V
22mm Fristam 633 Single Seal Kit	CBN/SiC/CBN/EPDM	--	F022Z-SK-2552E
22mm Fristam 633 Single Seal Kit	CBN/SiC/CBN/Viton®	--	F022Z-SK-2552V
22mm Fristam 633 Single Seal Kit	SiC/SiC/CBN/EPDM	--	F022Z-SK-2252E
22mm Fristam 633 Single Seal Kit	SiC/SiC/CBN/Viton®	--	F022Z-SK-2252V

**SEAL LIST - Fristam® FP, FPX, Size - 735 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
30 mm, Single Mechanical seal kit	CrO2/CBN/Viton®	1802600127	F180-2600127
30 mm, Single Mechanical seal kit	SiC/CBN/Viton®	1802600296	F180-2600296
30 mm, Double Mechanical seal kit	CrO2/CBN/Cer/Viton®	1802600128	F180-2600128
30 mm, Double Mechanical seal kit	SiC/CBN/Cer/Viton®	1802600288	F180-2600288
30 mm, Double Mechanical seal kit	SiC/CBN/SiC/Viton®	1802600312	F180-2600312
30 mm, Single Mechanical seal kit - Split	CrO2/SiCt/Viton®	1802600143	F180-2600143
30 mm, Single Mechanical seal kit - Split	SiC/SiCt/Viton®	1802600129	F180-2600129
30 mm, Double Mechanical seal kit - Split	CrO2/SiCt/Cer/Viton®	1802600142	F180-2600142
30 mm, Double Mechanical seal kit - Split	SiC/SiCt/Cer/Viton®	1802600130	F180-2600130
30 mm, Double Mechanical seal kit - Split	SiC/SiCt/SiC/Viton®	1802600307	F180-2600307
30 mm, Single Mechanical seal kit - Tapered	CrO2/CBN/Viton®	1802600310	F180-2600310
30 mm, Single Mechanical seal kit - Tapered	SiC/CBN/Viton®	1802600344	F180-2600344

**SEAL LIST - ZMT Engineered Fristam® FP, FPX, Size - 735 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
30mm Fristam 735 Single Mechanical Seal	CBN/SiC/EPDM	1802600127, 1802600296	F030Z-00-2500E
30mm Fristam 735 Single Mechanical Seal	CBN/SiC/Viton®	1802600127, 1802600296	F030Z-00-2500V
30mm Fristam 735 Single Mechanical Seal	SiC/SiC/EPDM	1802600129	F030Z-00-2200E
30mm Fristam 735 Single Mechanical Seal	SiC/SiC/Viton®	1802600129	F030Z-00-2200V

30mm Fristam 735 Double Mechanical Seal	CBN/SiC/CBN/EPDM	1802600128, 1802600288	F030Z-00-2552E
30mm Fristam 735 Double Mechanical Seal	CBN/SiC/CBN/Viton®	1802600128, 1802600288	F030Z-00-2552V
30mm Fristam 735 Double Mechanical Seal	SiC/SiC/CBN/EPDM	1802600130	F030Z-00-2252E
30mm Fristam 735 Double Mechanical Seal	SiC/SiC/CBN/Viton®	1802600130	F030Z-00-2252V
30mm Fristam 735 Single Seal Kit	CBN/SiC/EPDM	--	F030Z-SK-2500E
30mm Fristam 735 Single Seal Kit	CBN/SiC/Viton®	--	F030Z-SK-2500V
30mm Fristam 735 Single Seal Kit	SiC/SiC/EPDM	--	F030Z-SK-2200E
30mm Fristam 735 Single Seal Kit	SiC/SiC/Viton®	--	F030Z-SK-2200V
30mm Fristam 735 Single Seal Kit	CBN/SiC/CBN/EPDM	--	F030Z-SK-2552E
30mm Fristam 735 Single Seal Kit	CBN/SiC/CBN/Viton®	--	F030Z-SK-2552V
30mm Fristam 735 Single Seal Kit	SiC/SiC/CBN/EPDM	--	F030Z-SK-2252E
30mm Fristam 735 Single Seal Kit	SiC/SiC/CBN/Viton®	--	F030Z-SK-2252V

## SEAL LIST - Fristam® FP, FPX, Size - 736 Centrifugal Pump

Description	Material	Reference Part No.	ZMT Part No.
35 mm, Single Mechanical seal kit	CrO2/CBN/Viton®	1802600009	F180-2600009
35 mm, Single Mechanical seal kit	SiC/CBN/Viton®	1802600337	F180-2600337
35 mm, Double Mechanical seal kit	CrO2/CBN/Cer/Viton®	1802600131	F180-2600131
35 mm, Double Mechanical seal kit	SiC/CBN/Cer/Viton®	1802600328	F180-2600328
35 mm, Double Mechanical seal kit	SiC/CBN/SiC/Viton®	1802600301	F180-2600301
35 mm, Single Mechanical seal kit - Split	CrO2/SiCt/Viton®	1802600141	F180-2600141
35 mm, Single Mechanical seal kit - Split	SiC/SiCt/Viton®	1802600132	F180-2600132
35 mm, Double Mechanical seal kit - Split	CrO2/SiCt/Cer/Viton®	1802600393	F180-2600393
35 mm, Double Mechanical seal kit - Split	SiC/SiCt/Cer/Viton®	1802600139	F180-2600139
35 mm, Double Mechanical seal kit - Split	SiC/SiCt/SiC/Viton®	1802600373	F180-2600373
35 mm, Single Mechanical seal kit - Tapered	CrO2/CBN/Viton®	1802600447	F180-2600447

## SEAL LIST - Fristam® FT Pump

Description	Material	Reference Part No.	ZMT Part No.
FT Single Mechanical seal kit	CrO2/CBN/Viton®	1802600027	F180-2600027
FT Single Mechanical seal kit	CrO2/SiC/Viton®	1802600340	F180-2600340
FT Single Mechanical seal kit	SiC/SiC/Viton®	1802600306	F180-2600306

## SEAL LIST - Fristam® FZX Mixer Pump

Description	Material	Reference Part No.	ZMT Part No.
FZX Single External seal kit	SiC/CBN/Viton®	1802600292	F180-2600292
FZX Single External seal kit	SiC/SiC/Viton®	1802600323	F180-2600323

## SEAL LIST - Fristam® FZX 2000Mixer Pump

Description	Material	Reference Part No.	ZMT Part No.
FZX 2000 Single Seal Kit	CrO2/CBN/Viton®	1802600010	F180-2600010
FZX 2000 Single Seal Kit	SiC/SiC/Viton®	1802600012	F180-2600012
FZX 2000 Single Seal Kit	SiC/CBN/Viton®	1802600014	F180-2600014
FZX 2000 Single Seal Kit	CrO2/SiC/Viton®	1802600016	F180-2600016

## SEAL LIST - Fristam® FPR Pump

Description	Material	Reference Part No.	ZMT Part No.
757 Single Mechanical Seal Kit	CrO2/CBN/Viton®	1802600651	F180-2600651
757 Single Mechanical Seal Kit	SiC/SiC/Viton®	1802600639	F180-2600639
757 Single Mechanical Seal Kit	CrO2/SiC/Viton®	1802600678	F180-2600678
757 Double Mechanical Seal Kit	CrO2/CBN/Cer/Viton®	1802600775	F180-2600775
757 Double Mechanical Seal Kit	SiC/CBN/Cer/Viton®	1802600845	F180-2600845

Seals listed with ZMT™, and shown in BOLD, are engineered cartridge seals by ZM Technologies and provide improved performance over the OEM design. These seals will lower your maintenance cost, reduce costly downtime, and address environmental concerns. The combined savings will pay for the seal in 6 months. O-rings and a wave spring are included when ordering a complete ZMT seal.

Viton® - Registered Trademark of DuPont Performance Elastomers.

Fristam® - Registered Trademark of Fristam Pump, Inc..





Subject to Change without notice. F.O.B. Stockton, CA  
 Part numbers provided by ZMT, Inc. are for standard seals.

ZMT Effective Date

1/1/2012

**SEAL LIST - TRI-CLOVER® 114 C-Series Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
The Standby Kit - Buna	SS/CBN/Buna	C114-1	T114-1
The Seal Standby Kit - Buna	SS/CBN/Buna	C114-3	T114-3
Seal Standby Kit with Case Gasket & Set Screws - Buna	SS/CBN/Buna	--	T114-4
The Standby Kit - EPR	SS/CBN/EPR	C114-1E	T114-1E
The Seal Standby Kit - EPR	SS/CBN/EPR	C114-3E	T114-3E
Seal Standby Kit with Case Gasket & Set Screws - EPR	SS/CBN/EPR	--	T114-4E
The Standby Kit - Viton (SFY)	SS/CBN/Viton®	C114-1V	T114-1V
The Seal Standby Kit - Viton (SFY)	SS/CBN/Viton®	C114-3V	T114-3V
Seal Standby Kit with Case Gasket & Set Screws - Viton (SFY)	SS/CBN/Viton®	--	T114-4V
Carbon Seal	CBN	114E-80-1A	T114E-80-1A
Cup - D	SS	114D-80-3P	T114D-80-3P
O-Ring, Seal	BUNA	60C-3-34A-U	T60C-3-34A-U
O-Ring, Seal	EPR	60C-3-34A-E	T60C-3-34A-E
O-Ring, Seal	Viton®	60C-3-34A-SFY	T60C-3-34A-SFY
Spring - D Spring	SS	114D-80-4	T114D-80-4
Drive Collar - D	SS	SP114D-23P-316L	T114D-23P-316L
Set Screw	SS	SC905A-SS	FSHSS0832X025-SS
Casing Gasket	BUNA	S114-90A-U	T114-90A-U
Back-Plate	316L	114D-11-316	T114D-11-316

**SEAL LIST - TRI-CLOVER® 216 C-Series Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
The Standby Kit - Buna	SS/CBN/Buna	C216-1	T216-1
The Seal Standby Kit - Buna	SS/CBN/Buna	C216-3	T216-3
Seal Standby Kit with Case Gasket & Set Screws	SS/CBN/Buna	--	T216-4
The Standby Kit - EPR	SS/CBN/EPR	C216-1E	T216-1E
The Seal Standby Kit - EPR	SS/CBN/EPR	C216-3E	T216-3E
Seal Standby Kit with Case Gasket & Set Screws - EPR	SS/CBN/EPR	--	T216-4E
The Standby Kit - Viton (SFY)	SS/CBN/Viton®	C216-1V	T216-1V
The Seal Standby Kit - Viton (SFY)	SS/CBN/Viton®	C216-3V	T216-3V
Seal Standby Kit with Case Gasket & Set Screws - Viton (SFY)	SS/CBN/Viton®	--	T216-4V
Carbon Seal	CBN	216E-80-1A	T216E-80-1A
Cup - D	SS	216D-80-3P	T216D-80-3P
O-Ring, Seal	BUNA	01-1165-19-U	T01-1165-19-U
O-Ring, Seal	EPR	01-1165-19-E	T01-1165-19-E
O-Ring, Seal	Viton®	01-1165-19-SFY	T01-1165-19-SFY
Spring - D	SS	216D-80-4	T216D-80-4
Drive Collar - D	SS	SP216D-23P-S	T216D-23P-S
Set Screw	SS	SC1105A-SS	FSHSS25020X025-SS
Casing Gasket - Buna	BUNA	S216-90A-U	T216-90A-U
Back-Plate	316L	216D-11-316	T216D-11-316

**SEAL LIST - ZMT Engineered TRI-CLOVER® 216 C-Series Centrifugal Pump**

ZMt™ Complete Cartridge Seal	SiC/CBN/E	--	T216Z-00-2500E
ZMt™ Complete Cartridge Seal	SiC/CBN/Viton®	--	T216Z-00-2500V
ZMt™ Complete Cartridge Seal	SiC/SiC/E	--	T216Z-00-2200E
ZMt™ Complete Cartridge Seal	SiC/SiC/Viton®	--	T216Z-00-2200V
ZMt™ Cartridge Seal Repair Kit	SiC/CBN/E	--	T216Z-RK-2500E
ZMt™ Cartridge Seal Repair Kit	SiC/CBN/Viton®	--	T216Z-RK-2500V
ZMt™ Cartridge Seal Kit	SiC/CBN/E	--	T216Z-SK-2500E
ZMt™ Cartridge Seal Kit	SiC/CBN/Viton®	--	T216Z-SK-2500V
ZMt™ Cartridge Seal Repair Kit	SiC/SiC/E	--	T216Z-RK-2200E
ZMt™ Cartridge Seal Repair Kit	SiC/SiC/Viton®	--	T216Z-RK-2200V
ZMt™ Cartridge Seal Kit	SiC/SiC/E	--	T216Z-SK-2200E



ZMt™ Cartridge Seal Kit	SiC/SiC/Viton®	--	T216Z-SK-2200V
ZMt™ Engineered Back-Plate - Exchange	316L	--	T216Z-BPE
ZMt™ Engineered Back-Plate	316L	--	T216Z-BP

### SEAL LIST - TRI-CLOVER® 218/328 C-Series Centrifugal Pump

Description	Material	Reference Part No.	ZMT Part No.
The Standby Kit - Buna	SS/CBN/Buna	C328-1	T328-1
The Seal Standby Kit - Buna	SS/CBN/Buna	C328-3	T328-3
Seal Standby Kit with Case Gasket & Set Screws	SS/CBN/Buna	--	T328-4
The Standby Kit - EPR	SS/CBN/EPR	C328-1E	T328-1E
The Seal Standby Kit - EPR	SS/CBN/EPR	C328-3E	T328-3E
Seal Standby Kit with Case Gasket & Set Screws - EPR	SS/CBN/EPR	--	T328-4E
The Standby Kit - Viton (SFY)	SS/CBN/Viton®	C328-1V	T328-1V
The Seal Standby Kit - Viton (SFY)	SS/CBN/Viton®	C328-3V	T328-3V
Seal Standby Kit with Case Gasket & Set Screws - Viton (SFY)	SS/CBN/Viton®	--	T328-4V
Carbon Seal	CBN	328E-80-1A	T328E-80-1A
Cup - D	SS	328D-80-3P	T328D-80-3P
O-Ring, Seal	BUNA	S328-80-2-U	TS328-80-2-U
O-Ring, Seal	EPR	S328-80-2-E	TS328-80-2-E
O-Ring, Seal	Viton®	S328-80-2-SFY	TS328-80-2-SFY
Spring - D	SS	328D-80-4	T328D-80-4
Drive Collar - D	SS	SP328D-23P-S	T328D-23P-S
Set Screw	SS	SC1105A-SS	FSHSS25020X025-SS
Casing Gasket - Buna	BUNA	S328-90A-U	T328-90A-U
Back-Plate	316L	328D-11-316	T328D-11-316

### SEAL LIST - ZMT Engineered TRI-CLOVER® 218/328 C-Series Centrifugal Pump

ZMt™ Complete Cartridge Seal	SiC/CBN/E	--	T218Z-00-2500E
ZMt™ Complete Cartridge Seal	SiC/CBN/Viton®	--	T218Z-00-2500V
ZMt™ Complete Cartridge Seal	SiC/SiC/E	--	T218Z-00-2200E
ZMt™ Complete Cartridge Seal	SiC/SiC/Viton®	--	T218Z-00-2200V
ZMt™ Cartridge Seal Repair Kit	SiC/CBN/E	--	T218Z-RK-2500E
ZMt™ Cartridge Seal Repair Kit	SiC/CBN/Viton®	--	T218Z-RK-2500V
ZMt™ Cartridge Seal Kit	SiC/CBN/E	--	T218Z-SK-2500E
ZMt™ Cartridge Seal Kit	SiC/CBN/Viton®	--	T218Z-SK-2500V
ZMt™ Cartridge Seal Repair Kit	SiC/SiC/E	--	T218Z-RK-2200E
ZMt™ Cartridge Seal Repair Kit	SiC/SiC/Viton®	--	T218Z-RK-2200V
ZMt™ Cartridge Seal Kit	SiC/SiC/E	--	T218Z-SK-2200E
ZMt™ Cartridge Seal Kit	SiC/SiC/Viton®	--	T218Z-SK-2200V
ZMt™ Engineered Back-Plate - Exchange	316L	--	T218Z-BPE
ZMt™ Engineered Back-Plate	316L	--	T218Z-BP

### SEAL LIST - TRI-CLOVER® 3EH-Series Centrifugal Pump

Description	Material	Reference Part No.	ZMT Part No.
Carbon Seal	CBN	3EH-141D-26	T3EH-141D-26
Spring	SS	3EH-141D-27	T3EH-141D-27
Cup - D	SS	216D-80-3P	T216D-80-3P
O-Ring	EPDM	10CPLO-1-73-2-E	T10CPLO-1-73-2-E
Inner Ceramic Seat	Ceramic	--	T3EH-040655-7E
Outer Ceramic Seat	Ceramic	--	T3EH-040754-7E
O-Ring - Inner Ceramic Seat	EPDM	--	T3EH-OR139E
Gasket - Outer Ceramic Seat	C.N.A	--	GTT3EH-SEAT

### SEAL LIST - ZMT Engineered TRI-CLOVER® 3EH-Series Centrifugal Pump

ZMt™ Complete Cartridge Seal (SiC/SiC)	SiC/SiC/E	--	T3EHZ-00-2200E
ZMt™ Complete Cartridge Seal (SiC/SiC)	SiC/SiC/Viton®	--	T3EHZ-00-2200V

### SEAL LIST - TRI-CLOVER® 4EH-Series Centrifugal Pump

Description	Material	Reference Part No.	ZMT Part No.
Carbon Seal	CBN	4EH-143A-26	T4EH-143A-26
Single Seal Spring	SS	4EH-143A-27A	T4EH-143A-27A
Seal Cup	SS	4EH-143-23P-S	T4EH-143-23P-S
Seal Collar	SS	4EH-148A-23-S	T4EH-148A-23-S
Double Seal Spring	SS	4EH-148A-27A	T4EH-148A-27A

O-Ring	EPDM	4EH-143A-29E	T4EH-143A-29E
Inner Ceramic Seat	Ceramic	--	T4EH-040655-7E
Outer Ceramic Seat	Ceramic	--	T4EH-040754-7E
O-Ring - Inner Ceramic Seat	EPDM	--	T4EH-OR230E
Gasket - Outer Ceramic Seat	C.N.A	--	GTT4EH-SEAT
<b>SEAL LIST - ZMT Engineered TRI-CLOVER® 4EH-Series Centrifugal Pump</b>			
<b>ZMt™ Complete Cartridge Seal (SiC/SiC)</b>	<b>SiC/SiC/E</b>	--	<b>T4EHZ-00-2200E</b>
<b>ZMt™ Complete Cartridge Seal (SiC/SiC)</b>	<b>SiC/SiC/Viton®</b>	--	<b>T4EHZ-00-2200V</b>

Seals listed with ZMt™, and shown in BOLD, are engineered cartridge seals by ZM Technologies and provide improved performance over the OEM

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Subject to Change without notice. F.O.B. Stockton, CA Part numbers provided by ZMT, Inc. are for standard seals.

PUMP PARTS LIST - TRI-CLOVER® 3EH-Series Centrifugal Pump			
DESCRIPTION	Material	Reference Part No.	ZMT PART NUMBER
Complete 3EH Pump w/Flanges	C.I./316SS		T3EH-P-21E1-1-1125SS
Complete 3EH Pump w/Tri-Clamp	C.I./316SS		T3EH-P-21E4-1-1125SS
Impeller	316SS	3EH-100-05-316	T3EH-100-05-316
Casing	316SS	3EHM-141A-01-316	T3EH-141A-01-316
Shaft	17-4 PH	2-1/2EH-105-07B-316	T3EH-105-07B-316
Stuffing Box	316SS	2-1/2EH-141-51-316	T3EH-141-51-316
Bearing Seal Complete	Buna/316SS	2-1/2EH-105-72A	T3EH-105-72A
Bearing Oil Seal Only	Buna		T3EH-105-72OS
Locknut-Impeller	316SS	2-1/2EH-153A-24-316	T3EH-153A-24-316
Locknut-Stuffing Box	316SS	2-1/2EH-141-48-S	T3EH-141-48-S
Cap Seal	316SS	2-1/2EH-141-103-S	T3EH-141-103-S
Locknut-Casing	316SS	2-1/2EH-106-46-S	T3EH-106-46-S
Retainer	316SS	2-1/2EH-106-30	T3EH-106-30
Case Gasket	EPDM	3EH-100-20	T3EH-100-20
Stuffing Box Gasket	C.N.A.	2-1/2EH-141-79	T3EH-141-79
Packing – EPR	EPDM	2-1/2EH-141-78	T3EH-141-78
Bearing Shim - .005	316SS	2-1/2EH-143A-139-005	T3EH-143A-139-005
Bearing Shim - .010	316SS	2-1/2EH-143A-139-010	T3EH-143A-139-010
Impeller Shim - .005	316SS	SP328-133-005	T3EH-133-005-S
Impeller Shim - .010	316SS	SP328-133-010	T3EH-133-010-S
Pin	304SS	2EJ105-52-S	T3EH-2EJ105-52-S
Eye Bolt	304SS	2-1/2EH-143-A21-S	T3EH-143-A21-S
Nut-Casing	316SS	R60-2-86B-S	T3EH-R60-2-86B-S
Key - Impeller	304SS	2BEH-100-06-316	T3EH-100-06-316

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<b>PUMP PARTS LIST - TRI-CLOVER® 4EH-Series Centrifugal Pump</b>			
<b>DESCRIPTION</b>	<b>Material</b>	<b>Reference Part No.</b>	<b>ZMT PART NUMBER</b>
Complete 4EH Pump w/Flanges	C.I./316SS		T4EH-P-21E1-1-1356SS
Complete 4EH Pump w/Tri-Clamp	C.I./316SS		T4EH-P-21E4-1-1356SS
Impeller	316SS	4EH-100-05A-316	T4EH-100-05A-316
Casing	316SS	4EH-141A-01-316SS	T4EH-141A-01-316
Shaft	17-4 PH	4EH-105-07B-316L	T4EH-105-07B-316L
Stuffing Box	316SS	4EH-141-51A-316L	T4EH-141A-51-316
Bearing Seal Complete	Buna/316SS	4EH-105-72A	T4EH-105-72A
Bearing Oil Seal Only	Buna		T4EH-105-72OS
Locknut-Impeller	316SS	4EH-100-56A-316	T4EH-100-56A-316
Locknut-Stuffing Box	316SS	4EH-141-48-S	T4EH-141-48-S
Cap Seal	316SS	4EH-141-103-S	T4EH-141-103-S
Locknut-Casing	316SS	4EH-106-46-S	T4EH-106-46-S
Retainer	316SS	4EH-105-30	T4EH-105-30
Case Gasket	EPDM	4EH-100-20	T4EH-100-20
Stuffing Box Gasket	C.N.A.	4EH-106-79	T4EH-106-79
Packing – EPR	EPDM	4EH-141-78	T4EH-141-78
Bearing Shim - .005	316SS	4EH-143A-139-005	T4EH-143A-139-005
Bearing Shim - .010	316SS	4EH-143A-139-010	T4EH-143A-139-010
Impeller Shim - .005	316SS	4EH-133-005	T4EH-133-005-S
Impeller Shim - .010	316SS	4EH-133-010	T4EH-133-010-S

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 Part numbers provided by ZMT, Inc. are for standard seals.

ZMT Effective Date

1/31/2014

**SEAL LIST - Waukesha® 2045, 2065LV, 2065, 2065HV, 2075, 2085LV, 2085, 2105 Centrifugal Pump**

Description	Material	Reference Part No.	ZMT Part No.
Waukesha 200 Rotary Nose/Washer	SiC	9-225C	W200-09-2000
Waukesha 200 Rotary Nose/Washer	CBN	9-225A	W200-09-5000
Waukesha 200 Rotary Nose/Washer	TC	9-225F	W200-09-9000
Waukesha 200 Rotary Nose/Washer	TC/Viton®	9-225F w/o-ring	W200-09-9000V
Waukesha 200 Seal Retainer	316L	23-79	W200-10-0100
Waukesha 200 Spring	SS	24-65	W200-12-1000
Waukesha 200 Wave Spring	17-7SS	24-65	W200Z-12-1000
Waukesha 200 Spring Retainer/Collar	316L	23-77	W200-18-1000
Waukesha 200 Tabbed Washer	316L	43-87	W200-23-1000
Waukesha 2040 Type 1 'BASIC' Sgl Seal Kit	CBN/Viton®	309-241	W200-309-241
Waukesha 2065 Type 1 'BASIC' Sgl Seal Kit	CBN/Viton®	309-242	W200-309-242
Waukesha 2075/2085 Type 1 'BASIC' Sgl Seal Kit	CBN/Viton®	309-243	W200-309-243
Waukesha 2105 Type 1 'BASIC' Sgl Seal Kit	CBN/Viton®	309-244	W200-309-244
Waukesha 2040 Type 1 'COMPLETE' Sgl Seal Kit w/ SiC Stat.	CBN/SiC/Viton®	309-245	W200-309-245
Waukesha 2065 Type 1 'COMPLETE' Sgl Seal Kit w/ SiC Stat.	CBN/SiC/Viton®	309-246	W200-309-246
Waukesha 2075/2085 Type 1 'COMPLETE' Sgl Seal Kit w/ SiC Stat. -	CBN/SiC/Viton®	309-247	W200-309-247
Waukesha 2105 Type 1 'COMPLETE' Sgl Seal Kit w/ SiC Stat.	CBN/SiC/Viton®	309-248	W200-309-248
Waukesha 2040 Type 4 'BASIC' Dbl Seal Kit	CBN/Viton®	309-249	W200-309-249
Waukesha 2065 Type 4 'BASIC' Dbl Seal Kit	CBN/Viton®	309-250	W200-309-250
Waukesha 2075/2085 Type 4 'BASIC' Dbl Seal Kit	CBN/Viton®	309-251	W200-309-251
Waukesha 2105 Type 4 'BASIC' Dbl Seal Kit	CBN/Viton®	309-252	W200-309-252
Waukesha 2040 Type 4 'COMPLETE' Dbl Seal Kit w/ SiC Stat.	CBN/SiC/CBN/SiC/Viton®	309-253	W200-309-253
Waukesha 2065 Type 4 'COMPLETE' Dbl Seal Kit w/ SiC Stat.	CBN/SiC/CBN/SiC/Viton®	309-254	W200-309-254
Waukesha 2075/2085 Type 4 'COMPLETE' Dbl Seal Kit w/ SiC Stat.	CBN/SiC/CBN/SiC/Viton®	309-255	W200-309-255
Waukesha 2105 Type 4 'COMPLETE' Dbl Seal Kit w/ SiC Stat.	CBN/SiC/CBN/SiC/Viton®	309-256	W200-309-256
Waukesha 200 Stationary, Over-Sized Seat	SiC	23-17 (23-17G)	W200-61-0200
Waukesha 200 Stationary, Over-Sized Cup Seat	SiC/Viton®	23-17 (23-17G)	W200-61-0200V
Waukesha 200 Over-Sized Cup	Viton®	9-37	W200-61-0V00
Waukesha 200 'SEAL' Kit - Rotary Carbon w/Over-Sized Cup Seat Only	CBN/SiC/Viton®	--	W200-SK61-2500V
Waukesha 200 'SEAL' Kit - Rotary Tungsten-Carbide w/Over-Sized Cup Seat Only	TC/SiC/Viton®	--	W200-SK61-9200V

**SEAL LIST - Waukesha® U1 006, 015, 018, 024 PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
Sleeve	SS	015-098-000	W006-11-1000
Sleeve	Zirconia	015-098-004	W006-11-7000
Sleeve	CrO2 Coated	015-098-002	W006-11-6000
006 - 024 Inner Seal	CBN	015-306-007	W006-00-0500
006 - 024 Inner Seal	Cer	015-306-002	W006-00-0700
006 - 024 Inner Seal	SiC	015-306-009	W006-00-0200
006 - 024 Seal Seat	Cer	015-014-002	W006-00-7000
006 - 024 Seal Seat	SiC	015-014-009	W006-00-2000
006 - 024 Outer Seal	CBN	015-206-007	W006-00-0005
Body O-ring	Buna	AD0079000	WAD0079000
Body O-ring	EPDM	AD0079002	WAD0079002
Body O-ring	Viton®	AD0079V00	WAD0079V00
Body O-ring	Silicone	AD0079SC0	WAD0079SC0
Shaft O-Ring	Buna	N70022	WN70022
Shaft O-Ring	EPDM	E70022	WE70022
Shaft O-Ring	Viton®	V70022	WV70022
Shaft O-Ring	Silicone	S75022	WS75022
Outer Seal O-Ring	Buna	N50228	WN50228
Wave Spring	SS	015-304-000	W015-304-000
006 - 024 Single Sleeve, Seal & O-Ring Kit	SS/Buna	105247	W006KT-11-1000B
006 - 024 Single Sleeve, Seal & O-Ring Kit	SS/EPDM	--	W006KT-11-1000E
006 - 024 Single Sleeve, Seal & O-Ring Kit	SS/Viton®	105251	W006KT-11-1000V
006 - 024 Double Sleeve, Seal & O-Ring Kit	SS/Buna	105249	W006KT-11-1010B
006 - 024 Double Sleeve, Seal & O-Ring Kit	SS/EPDM	--	W006KT-11-1010E
006 - 024 Double Sleeve, Seal & O-Ring Kit	SS/Viton®	105253	W006KT-11-1010V
006 - 024 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/Buna	105295	W006KT-00-7500B
006 - 024 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/EPDM	--	W006KT-00-7500E
006 - 024 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/Viton®	105296	W006KT-00-7500V
006 - 024 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/Buna	105297	W006KT-00-2500B
006 - 024 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/EPDM	--	W006KT-00-2500E
006 - 024 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/Viton®	105298	W006KT-00-2500V

006 - 024 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/Buna	--	W006KT-00-2200B
006 - 024 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/EPDM	--	W006KT-00-2200E
006 - 024 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/Viton®	--	W006KT-00-2200V
006 - 024 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/Buna	105299	W006KT-00-7575B
006 - 024 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/EPDM	--	W006KT-00-7575E
006 - 024 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/Viton®	105300	W006KT-00-7575V
006 - 024 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/Buna	105301	W006KT-00-2225B
006 - 024 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/EPDM	--	W006KT-00-2225E
006 - 024 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/Viton®	105302	W006KT-00-2225V

**SEAL LIST - ZMT Engineered WAUKESHA® U1 006, 015, 018, 024 PD Pump**

<b>006 - 024 ZMT Engineered Inner Seal w/Retainer</b>	<b>SiC/SS</b>	<b>--</b>	<b>W006Z-00-0200</b>
<b>006 - 024 ZMT Engineered Seal Seat w/Retainer</b>	<b>SiC/SS</b>	<b>--</b>	<b>W006Z-00-2000</b>
<b>006 - 024 ZMT Engineered Complete Seal</b>	<b>SiC/SiC/EPDM</b>	<b>--</b>	<b>W006Z-00-2200E</b>
<b>006 - 024 ZMT Engineered Complete Seal</b>	<b>SiC/SiC/Viton®</b>	<b>--</b>	<b>W006Z-00-2200V</b>

**SEAL LIST - Waukesha® U1 030, 034 PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
030 - 034 Sleeve	SS	030-098-000	W030-11-1000
030 - 034 Sleeve	Zirconia	030-098-004	W030-11-7000
030 - 034 Sleeve	CrO2 Coated	030-098-002	W030-11-6000
030 - 034 Inner Seal	CBN	030-306-007	W030-00-0500
030 - 034 Inner Seal	Cer	030-306-002	W030-00-0700
030 - 034 Inner Seal	SiC	030-306-009	W030-00-0200
030 - 034 Seal Seat	Cer	030-014-002	W030-00-7000
030 - 034 Seal Seat	SiC	030-014-009	W030-00-2000
030 - 034 Outer Seal	CBN	030-206-007	W030-00-0005
Body Oring	Buna	N70327	WN70327
Body Oring	EPDM	E70327	WE70327
Body Oring	Viton®	V70327	WV70327
Body Oring	Silicone	S75327	WS75327
Shaft O-Ring	Buna	N70028	WN70028
Shaft O-Ring	EPDM	E70028	WE70028
Shaft O-Ring	Viton®	V70028	WV70028
Shaft O-Ring	Silicone	S75028	WS75028
Outer Seal O-Ring	Buna	N50335	WN50335
Wave Spring	SS	030-304-000	W030-304-000
030 - 034 Single Sleeve, Seal & O-Ring Kit	SS/Buna	105259	W030KT-11-1000B
030 - 034 Single Sleeve, Seal & O-Ring Kit	SS/EPDM	--	W030KT-11-1000E
030 - 034 Single Sleeve, Seal & O-Ring Kit	SS/Viton®	105263	W030KT-11-1000V
030 - 034 Double Sleeve, Seal & O-Ring Kit	SS/Buna	105261	W030KT-11-1010B
030 - 034 Double Sleeve, Seal & O-Ring Kit	SS/EPDM	--	W030KT-11-1010E
030 - 034 Double Sleeve, Seal & O-Ring Kit	SS/Viton®	105265	W030KT-11-1010V
030 - 034 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/Buna	105305	W030KT-00-7500B
030 - 034 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/EPDM	--	W030KT-00-7500E
030 - 034 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/Viton®	105306	W030KT-00-7500V
030 - 034 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/Buna	105307	W030KT-00-2500B
030 - 034 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/EPDM	--	W030KT-00-2500E
030 - 034 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/Viton®	105308	W030KT-00-2500V
030 - 034 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/Buna	--	W030KT-00-2200B
030 - 034 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/EPDM	--	W030KT-00-2200E
030 - 034 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/Viton®	--	W030KT-00-2200V
030 - 034 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/Buna	105309	W030KT-00-7575B
030 - 034 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/EPDM	--	W030KT-00-7575E
030 - 034 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/Viton®	105310	W030KT-00-7575V
030 - 034 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/Buna	105311	W030KT-00-2225B
030 - 034 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/EPDM	--	W030KT-00-2225E
030 - 034 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/Viton®	105312	W030KT-00-2225V

**SEAL LIST - ZMT Engineered WAUKESHA® U1 030, 034 PD Pump**

<b>030 - 034 ZMT Engineered Inner Seal w/Retainer</b>	<b>SiC/SS</b>	<b>--</b>	<b>W030Z-00-0200</b>
<b>030 - 034 ZMT Engineered Seal Seat w/Retainer</b>	<b>SiC/SS</b>	<b>--</b>	<b>W030Z-00-2000</b>
<b>030 - 034 ZMT Engineered Complete Seal</b>	<b>SiC/SiC/EPDM</b>	<b>--</b>	<b>W030Z-00-2200E</b>
<b>030 - 034 ZMT Engineered Complete Seal</b>	<b>SiC/SiC/Viton®</b>	<b>--</b>	<b>W030Z-00-2200V</b>

**SEAL LIST - Waukesha® U1 040, 060, 064, 130, 134 PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
040 - 134 Sleeve	SS	060-098-000	W130-11-1000
040 - 134 Sleeve	Zirconia	060-098-004	W130-11-7000
040 - 134 Sleeve	CrO2 Coated	060-098-002	W130-11-6000
040 - 134 Inner Seal - 2 Piece	CBN	060-306-007	W130Z-00-0500
040 - 134 Inner Seal - 2 Piece	Cer	060-306-002	W130Z-00-0700
040 - 134 Inner Seal - 2 Piece	SiC	060-306-009	W130-00-0200
040 - 134 Seal Seat	Cer	060-014-002	W130-00-7000
040 - 134 Seal Seat	SiC	060-014-009	W130-00-2000
040 - 134 Outer Seal	CBN	060-206-007	W130-00-0005
Body Oring	Buna	N70331	WN70331

Body Oring	EPDM	E70331	WE70331
Body Oring	Viton®	V70331	WV70331
Body Oring	Silicone	S75331	WS75331
Shaft O-Ring	Buna	N70131	WN70131
Shaft O-Ring	EPDM	E70131	WE70131
Shaft O-Ring	Viton®	V70131	WV70131
Shaft O-Ring	Silicone	S75131	WS75131
Outer Seal O-Ring	Buna	N50338	WN50338
Wave Spring	SS	060-304-000	W060-304-000
040 - 134 Single Sleeve, Seal & O-Ring Kit	SS/Buna	105271	W130KT-11-1000B
040 - 134 Single Sleeve, Seal & O-Ring Kit	SS/EPDM	--	W130KT-11-1000E
040 - 134 Single Sleeve, Seal & O-Ring Kit	SS/Viton®	105275	W130KT-11-1000V
040 - 134 Double Sleeve, Seal & O-Ring Kit	SS/Buna	105273	W130KT-11-1010B
040 - 134 Double Sleeve, Seal & O-Ring Kit	SS/EPDM	--	W130KT-11-1010E
040 - 134 Double Sleeve, Seal & O-Ring Kit	SS/Viton®	105277	W130KT-11-1010V
040 - 134 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/Buna	105315	W130KT-00-7500B
040 - 134 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/EPDM	--	W130KT-00-7500E
040 - 134 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/Viton®	105316	W130KT-00-7500V
040 - 134 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/Buna	105317	W130KT-00-2500B
040 - 134 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/EPDM	--	W130KT-00-2500E
040 - 134 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/Viton®	105318	W130KT-00-2500V
040 - 134 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/Buna	--	W130KT-00-2200B
040 - 134 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/EPDM	--	W130KT-00-2200E
040 - 134 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/Viton®	--	W130KT-00-2200V
040 - 134 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/Buna	105319	W130KT-00-7575B
040 - 134 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/EPDM	--	W130KT-00-7575E
040 - 134 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/Viton®	105320	W130KT-00-7575V
040 - 134 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/Buna	105321	W130KT-00-2225B
040 - 134 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/EPDM	--	W130KT-00-2225E
040 - 134 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/Viton®	105322	W130KT-00-2225V

**SEAL LIST - ZMT Engineered WAUKESHA® U1 040, 060, 064, 130, 134 PD Pump**

040 - 134 ZMT Engineered Inner Seal w/Retainer	SiC/SS	--	W130Z-00-0200
040 - 134 ZMT Engineered Seal Seat w/Retainer	SiC/SS	--	W130Z-00-2000
040 - 134 ZMT Engineered Complete Seal	SiC/SiC/EPDM	--	W130Z-00-2200E
040 - 134 ZMT Engineered Complete Seal	SiC/SiC/Viton®	--	W130Z-00-2200V

**SEAL LIST - Waukesha® U1 220, 224 PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
220 - 224 Sleeve	SS	220-098-000	W220-11-1000
220 - 224 Sleeve	Zirconia	220-098-004	W220-11-7000
220 - 224 Sleeve	CrO2 Coated	220-098-002	W220-11-6000
220 - 224 Inner Seal	CBN	220-306-007	W220Z-00-0500
220 - 224 Inner Seal	Cer	220-306-002	W220Z-00-0700
220 - 224 Inner Seal	SiC	220-306-009	W220-00-0200
220 - 224 Seal Seat	Cer	220-014-002	W220-00-7000
220 - 224 Seal Seat	SiC	220-014-009	W220-00-2000
220 - 224 Outer Seal	CBN	220-206-007	W220-00-0005
Body Oring	Buna	N70338	WN70338
Body Oring	EPDM	E70338	WE70338
Body Oring	Viton®	V70338	WV70338
Body Oring	Silicone	S75338	WS75338
Shaft O-Ring	Buna	N70144	WN70144
Shaft O-Ring	EPDM	E70144	WE70144
Shaft O-Ring	Viton®	V70144	WV70144
Shaft O-Ring	Silicone	S75144	WS75144
Outer Seal O-Ring	Buna	N50344	WN50344
Wave Spring	SS	220-304-000	W220-304-000
220 - 224 Single Sleeve, Seal & O-Ring Kit	SS/Buna	105283	W220KT-11-1000B
220 - 224 Single Sleeve, Seal & O-Ring Kit	SS/EPDM	--	W220KT-11-1000E
220 - 224 Single Sleeve, Seal & O-Ring Kit	SS/Viton®	105287	W220KT-11-1000V
220 - 224 Double Sleeve, Seal & O-Ring Kit	SS/Buna	105285	W220KT-11-1010B
220 - 224 Double Sleeve, Seal & O-Ring Kit	SS/EPDM	--	W220KT-11-1010E
220 - 224 Double Sleeve, Seal & O-Ring Kit	SS/Viton®	105289	W220KT-11-1010V
220 - 224 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/Buna	105325	W220KT-00-7500B
220 - 224 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/EPDM	--	W220KT-00-7500E
220 - 224 Single Mechanical, Seal & O-Ring Kit	CBN/Cer/Viton®	105326	W220KT-00-7500V
220 - 224 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/Buna	105327	W220KT-00-2500B
220 - 224 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/EPDM	--	W220KT-00-2500E
220 - 224 Single Mechanical, Seal & O-Ring Kit	CBN/SiC/Viton®	105328	W220KT-00-2500V
220 - 224 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/Buna	--	W220KT-00-2200B
220 - 224 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/EPDM	--	W220KT-00-2200E
220 - 224 Single Mechanical, Seal & O-Ring Kit	SiC/SiC/Viton®	--	W220KT-00-2200V
220 - 224 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/Buna	105329	W220KT-00-7575B
220 - 224 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/EPDM	0	W220KT-00-7575E
220 - 224 Double Mechanical, Seal & O-Ring Kit	CBN/Cer/CBN/Cer/Viton®	105330	W220KT-00-7575V
220 - 224 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/Buna	105331	W220KT-00-2225B



220 - 224 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/EPDM	--	W220KT-00-2225E
220 - 224 Double Mechanical, Seal & O-Ring Kit	SiC/SiC/CBN/SiC/Viton®	105332	W220KT-00-2225V
<b>SEAL LIST - ZMT Engineered WAUKESHA® U1 220, 224 PD Pump</b>			
<b>220 - 224 ZMT Engineered Inner Seal w/Retainer</b>	<b>SiC/SS</b>	<b>--</b>	<b>W220Z-00-0200</b>
<b>220 - 224 ZMT Engineered Seal Seat w/Retainer</b>	<b>SiC/SS</b>	<b>--</b>	<b>W220Z-00-2000</b>
<b>220 - 224 ZMT Engineered Complete Seal</b>	<b>SiC/SiC/EPDM</b>	<b>--</b>	<b>W220Z-00-2200E</b>
<b>220 - 224 ZMT Engineered Complete Seal</b>	<b>SiC/SiC/Viton®</b>	<b>--</b>	<b>W220Z-00-2200V</b>

<b>SEAL LIST - Waukesha® U1 320, 323, 324 PD Pump</b>			
<b>Description</b>	<b>Material</b>	<b>Reference Part No.</b>	<b>ZMT Part No.</b>
320 - 324 Inner Seal Face (Nose)	SiC	40754	W323-09-2000
320 - 324 Inner Seal Face (Nose)	Ceramic	40755	W323-09-7000
320 - 324 Inner Seal Face (Nose)	CBN	36027	W323-09-5000
320 - 324 Stationary Seat, Flushed	Ceramic	300014027	W323-52-0700
320 - 324 Stationary Seat, Flushed	SiC	300042031	W323-52-0200
320 - 324 Stationary Seat, Plain - NonFlushed	Ceramic	300014012	W320-52X-0700
320 - 324 Stationary Seat, Plain - NonFlushed	SiC	300014016	W320-52X-0200
320 - 324 Outer Seal Face (Nose)	CBN	--	W323-09-0050
320 - 324 Outer Seal Face (Nose)	SiC	--	W323-09-0020
Shaft O-Ring	EPDM	E70234	WE70234
Shaft O-Ring	Viton®	V70234	WV70234
Shaft O-Ring	Silicone	S75234	WS75234
Seal Face O-Ring (Nose to Retainer)	EPDM	E70238	WE70238
Seal Face O-Ring (Nose to Retainer)	Viton®	V70238	WV70238
Seal Face O-Ring (Nose to Retainer)	Silicone	S75238	WS75238
Inner Spring	SS	40875	W323-12-1000
Outer Spring	SS	--	W323-12-0010
Inner Set Screw	SS	110038	FSHSS25020-375-SS
Gasket, Inner Stationary Seat, Flushed	EPDM	300042003	W300-042-003
Gasket, Outer Stationary Seat, Flushed	EPDM	300042004	W300-042-004
Gasket, Inner Stationary Seat, Flushed	Silicone	--	W300-042-005
Gasket, Outer Stationary Seat, Flushed	Silicone	--	W300-042-006
320 - 324 Complete Inner Seal	CBN/EPDM	--	W323-00-5000E
320 - 324 Complete Inner Seal	CBN/Viton®	--	W323-00-5000V
320 - 324 Complete Inner Seal	CBN/Silicone	--	W323-00-5000S
320 - 324 Complete Inner Seal	SiC/EPDM	40572	W323-00-2000E
320 - 324 Complete Inner Seal	SiC/Viton®	--	W323-00-2000V
320 - 324 Complete Inner Seal	SiC/Silicone	--	W323-00-2000S
320 - 324 Complete Outer Seal	CBN/EPDM	323114003	W323-00-0050E
320 - 324 OEM Style Complete Double Seal - (Per Shaft)	SiC/SiC/CBN/SiC/EPDM	--	W323-52-2252E
320 - 324 OEM Style Complete Double Seal - (Per Shaft)	SiC/SiC/CBN/SiC/Viton®	--	W323-52-2252V
320 - 324 OEM Style Complete Double Seal - (Per Shaft)	SiC/SiC/CBN/SiC/Silicone	--	W323-52-2252S
320 - 324 OEM Style Complete Double Seal - (Per Pump)	SiC/SiC/CBN/SiC/EPDM	--	W323KT-52-2252E
320 - 324 OEM Style Complete Double Seal - (Per Pump)	SiC/SiC/CBN/SiC/Viton®	--	W323KT-52-2252V
320 - 324 OEM Style Complete Double Seal - (Per Pump)	SiC/SiC/CBN/SiC/Silicone	--	W323KT-52-2252S

<b>SEAL LIST - ZMT Engineered WAUKESHA® U1 320, 323, 324 PD Pump</b>			
<b>320 - 324 ZM Engineered Complete Single Cartridge Seal - (Per Shaft)</b>	<b>SiC/SiC/EPDM</b>	<b>--</b>	<b>W320Z-00-2200E</b>
<b>320 - 324 ZM Engineered Complete Single Cartridge Seal - (Per Shaft)</b>	<b>SiC/SiC/Viton®</b>	<b>--</b>	<b>W320Z-00-2200V</b>
<b>320 - 324 ZM Engineered Complete Double Cartridge Seal - (Per Shaft)</b>	<b>SiC/SiC/SiC/CBN/EPDM</b>	<b>--</b>	<b>W323Z-00-2225E</b>
<b>320 - 324 ZM Engineered Complete Double Cartridge Seal - (Per Shaft)</b>	<b>SiC/SiC/SiC/CBN/Viton®</b>	<b>--</b>	<b>W323Z-00-2225V</b>
<b>320 - 324 ZM Engineered Complete Double Cartridge Seal - (Per Shaft)</b>	<b>SiC/SiC/SiC/CBN/Silicone</b>	<b>--</b>	<b>W323Z-00-2225S</b>

Seals listed with ZMt™, and shown in BOLD, are engineered cartridge seals by ZM Technologies and provide improved performance over the OEM design. These seals will lower your maintenance cost, reduce costly downtime, and address environmental concerns. The combined savings will pay for the seal in 6 months. O-rings and a wave spring are included when ordering a complete ZMT seal.

Viton® - Registered Trademark of DuPont Performance Elastomers.

Waukesha® - Registered Trademark of SPX Process Equipment



Subject to Change without notice. F.O.B. Stockton, CA  
 Part numbers provided by ZMT, Inc. are for standard seals.

ZMT Effective Date

1/31/2014

<b>SEAL LIST - Waukesha® U2 006, 015, 018 PD Pump</b>			
<b>Description</b>	<b>Material</b>	<b>Reference Part No.</b>	<b>ZMT Part No.</b>
006 - 018 U2 Inner Seal	SiC	101653	W006U2-00-0200
006 - 018 U2 Inner Seal	Cer	101652	W006U2-00-0700
006 - 018 U2 Inner Seal	CBN	101651	W006U2-00-0500
006 - 018 U2 Seal Seat	SiC	101668	W006U2-00-2000
006 - 018 U2 Seal Seat	Cer	101667	W006U2-00-7000
006 - 018 U2 Outer Seal	CBN	101679	W006U2-00-0005
Shaft O-Ring	Buna	N70028	WN70028
Shaft O-Ring	EPDM	E70028	WE70028
Shaft O-Ring	Viton®	V70028	WV70028
Seal Seat O Ring	Buna	N70024	WN70024
Seal Seat O Ring	EPDM	E70024	WE70024
Seal Seat O Ring	Viton®	V70024	WV70024
Outer Seal O Ring	Buna	N70035	WN70035
Outer Seal O Ring	EPDM	E70035	WE70035
Outer Seal O Ring	Viton®	V70035	WV70035
Wave spring, Inner Seal	17-7 SS	101683	W006U2-12-0300
Wave Spring, Outer Seal	17-7 SS	101684	W006U2-12-0003
006 - 018 U2 Complete Single Seal	CBN/SiC/EPDM	--	W006U2-00-2500E
006 - 018 U2 Complete Single Seal	CBN/SiC/Viton®	--	W006U2-00-2500V
006 - 018 U2 Complete Single Seal	SiC/SiC/EPDM	--	W006U2-00-2200E
006 - 018 U2 Complete Single Seal	SiC/SiC/Viton®	--	W006U2-00-2200V
006 - 018 U2 Complete Double Seal	SiC/CBN/SiC/CBN/EPDM	--	W006U2-00-2525E
006 - 018 U2 Complete Double Seal	SiC/CBN/SiC/CBN/Viton®	--	W006U2-00-2525V
006 - 018 U2 Complete Double Seal	Cer/CBN/Cer/CBN/EPDM	--	W006U2-00-7575E
006 - 018 U2 Complete Double Seal	Cer/CBN/Cer/CBN/Viton®	--	W006U2-00-7575V
006 - 018 U2 Complete Double Seal	Cer/Cer/Cer/CBN/EPDM	--	W006U2-00-7775E
006 - 018 U2 Complete Double Seal	Cer/Cer/Cer/CBN/Viton®	--	W006U2-00-7775V
006 - 018 U2 Complete Double Seal	SiC/SiC/EPDM	--	W006U2-00-2225E
006 - 018 U2 Complete Double Seal	SiC/SiC/Viton®	--	W006U2-00-2225V

<b>SEAL LIST - Waukesha® U2 030, 034 PD Pump</b>			
<b>Description</b>	<b>Material</b>	<b>Reference Part No.</b>	<b>ZMT Part No.</b>
030 - 034 U2 Inner Seal	SiC	101657	W030U2-00-0200
030 - 034 U2 Inner Seal	Cer	101656	W030U2-00-0700
030 - 034 U2 Inner Seal	CBN	101655	W030U2-00-0500
030 - 034 U2 Seal Seat	SiC	101671	W030U2-00-2000
030 - 034 U2 Seal Seat	Cer	101670	W030U2-00-7000
030 - 034 U2 Outer Seal	CBN	101680	W030U2-00-0005
Inner Seal O Ring	Buna	N70031	WN70031
Inner Seal O Ring	EPDM	E70031	WE70031
Inner Seal O Ring	Viton®	V70031	WV70031
Seal Seat O Ring	Buna	N70029	WN70029
Seal Seat O Ring	EPDM	E70029	WE70029
Seal Seat O Ring	Viton®	V70029	WV70029
Outer Seal O Ring	Buna	N70041	WN70041
Outer Seal O Ring	EPDM	E70041	WE70041
Outer Seal O Ring	Viton®	V70041	WV70041
Wave spring, Inner Seal	17-7 SS	101685	W030U2-12-0300
Wave Spring, Outer Seal	17-7 SS	101686	W030U2-12-0003
030 - 034 U2 Complete Single Seal	CBN/SiC/EPDM	--	W030U2-00-2500E
030 - 034 U2 Complete Single Seal	CBN/SiC/Viton®	--	W030U2-00-2500V
030 - 034 U2 Complete Single Seal	SiC/SiC/EPDM	--	W030U2-00-2200E
030 - 034 U2 Complete Single Seal	SiC/SiC/Viton®	--	W030U2-00-2200V
030 - 034 U2 Complete Double Seal	SiC/CBN/SiC/CBN/EPDM	--	W030U2-00-2525E
030 - 034 U2 Complete Double Seal	SiC/CBN/SiC/CBN/Viton®	--	W030U2-00-2525V
030 - 034 U2 Complete Double Seal	Cer/CBN/Cer/CBN/EPDM	--	W030U2-00-7575E
030 - 034 U2 Complete Double Seal	Cer/CBN/Cer/CBN/Viton®	--	W030U2-00-7575V
030 - 034 U2 Complete Double Seal	Cer/Cer/Cer/CBN/EPDM	--	W030U2-00-7775E
030 - 034 U2 Complete Double Seal	Cer/Cer/Cer/CBN/Viton®	--	W030U2-00-7775V

030 - 034 U2 Complete Double Seal	SiC/SiC/EPDM	--	W030U2-00-2225E
030 - 034 U2 Complete Double Seal	SiC/SiC/Viton®	--	W030U2-00-2225V

**SEAL LIST - ZMT Engineered WAUKESHA® U2 030, 034 PD Pump**

<b>030 - 034 U2 ZMT Engineered Seal Seat w/Retainer</b>	<b>SiC/SS</b>	<b>101671</b>	<b>W030U2Z-00-2000</b>
<b>030 - 034 U2 ZMT Engineered Inner Seal w/Retainer</b>	<b>SiC/SS</b>	<b>101657</b>	<b>W030U2Z-00-0200</b>
<b>030 - 034 U2 ZMT Engineered Complete Single Seal</b>	<b>SiC/SiC/EPDM</b>	<b>--</b>	<b>W030U2Z-00-2200E</b>
<b>030 - 034 U2 ZMT Engineered Complete Single Seal</b>	<b>SiC/SiC/Viton®</b>	<b>--</b>	<b>W030U2Z-00-2200V</b>

**SEAL LIST - Waukesha® U2 040, 045, 060, 064, 130, 134 PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
040 - 134 U2 Inner Seal	SiC	101661	W130U2-00-0200
040 - 134 U2 Inner Seal	Cer	101660	W130U2-00-0700
040 - 134 U2 Inner Seal	CBN	101659	W130U2-00-0500
040 - 134 U2 Seal Seat	SiC	101674	W130U2-00-2000
040 - 134 U2 Seal Seat	Cer	101673	W130U2-00-7000
040 - 134 U2 Outer Seal	CBN	101681	W130U2-00-0005
Outer Seal O Ring	Buna	N70035	WN70035
Outer Seal O Ring	EPDM	E70035	WE70035
Outer Seal O Ring	Viton®	V70035	WV70035
Seal Seat O Ring	Buna	N70133	WN70133
Seal Seat O Ring	EPDM	E70133	WE70133
Seal Seat O Ring	Viton®	V70133	WV70133
Outer Seal O Ring	Buna	N70043	WN70043
Outer Seal O Ring	EPDM	E70043	WE70043
Outer Seal O Ring	Viton®	V70043	WV70043
Wave spring, Inner Seal	17-7 SS	101687	W130U2-12-0300
Wave Spring, Outer Seal	17-7 SS	101688	W130U2-12-0003
040 - 134 U2 Complete Single Seal	CBN/SiC/EPDM	--	W130U2-00-2500E
040 - 134 U2 Complete Single Seal	CBN/SiC/Viton®	--	W130U2-00-2500V
040 - 134 U2 Complete Single Seal	SiC/SiC/EPDM	--	W130U2-00-2200E
040 - 134 U2 Complete Single Seal	SiC/SiC/Viton®	--	W130U2-00-2200V
040 - 134 U2 Complete Double Seal	SiC/CBN/SiC/CBN/EPDM	--	W130U2-00-2525E
040 - 134 U2 Complete Double Seal	SiC/CBN/SiC/CBN/Viton®	--	W130U2-00-2525V
040 - 134 U2 Complete Double Seal	Cer/CBN/Cer/CBN/EPDM	--	W130U2-00-7575E
040 - 134 U2 Complete Double Seal	Cer/CBN/Cer/CBN/Viton®	--	W130U2-00-7575V
040 - 134 U2 Complete Double Seal	Cer/Cer/Cer/CBN/EPDM	--	W130U2-00-7775E
040 - 134 U2 Complete Double Seal	Cer/Cer/Cer/CBN/Viton®	--	W130U2-00-7775V
040 - 134 U2 Complete Double Seal	SiC/SiC/EPDM	--	W130U2-00-2225E
040 - 134 U2 Complete Double Seal	SiC/SiC/Viton®	--	W130U2-00-2225V

**SEAL LIST - ZMT Engineered WAUKESHA® U2 040, 045, 060, 064, 130, 134 PD Pump**

<b>040 - 134 U2 ZMT Engineered Seal Seat w/Retainer</b>	<b>SiC/SS</b>	<b>101674</b>	<b>W130U2Z-00-2000</b>
<b>040 - 134 U2 ZMT Engineered Inner Seal w/Retainer</b>	<b>SiC/SS</b>	<b>101661</b>	<b>W130U2Z-00-0200</b>
<b>040 - 134 U2 ZMT Engineered Complete Single Seal</b>	<b>SiC/SiC/EPDM</b>	<b>--</b>	<b>W130U2Z-00-2200E</b>
<b>040 - 134 U2 ZMT Engineered Complete Single Seal</b>	<b>SiC/SiC/Viton®</b>	<b>--</b>	<b>W130U2Z-00-2200V</b>

**SEAL LIST - Waukesha® U2 180, 220, 224 PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
180 - 224 U2 Inner Seal	SiC	101665	W220U2-00-0200
180 - 224 U2 Inner Seal	Cer	101664	W220U2-00-0700
180 - 224 U2 Inner Seal	CBN	101663	W220U2-00-0500
180 - 224 U2 Seal Seat	SiC	101677	W220U2-00-2000
180 - 224 U2 Seal Seat	Cer	101676	W220U2-00-7000
180 - 224 U2 Outer Seal	CBN	101682	W220U2-00-0005
Outer Seal O Ring	Buna	N70041	WN70041
Outer Seal O Ring	EPDM	E70041	WE70041
Outer Seal O Ring	Viton®	V70041	WV70041
Seal Seat O Ring	Buna	N70145	WN70145
Seal Seat O Ring	EPDM	E70145	WE70145
Seal Seat O Ring	Viton®	V70145	WV70145
Outer Seal O Ring	Buna	N70046	WN70046
Outer Seal O Ring	EPDM	E70046	WE70046
Outer Seal O Ring	Viton®	V70046	WV70046
Wave spring, Inner Seal	17-7 SS	101689	W220U2-12-0300
Wave Spring, Outer Seal	17-7 SS	101690	W220U2-12-0003
180 - 224 U2 Complete Single Seal	CBN/SiC/EPDM	--	W220U2-00-2500E
180 - 224 U2 Complete Single Seal	CBN/SiC/Viton®	--	W220U2-00-2500V
180 - 224 U2 Complete Single Seal	SiC/SiC/EPDM	--	W220U2-00-2200E
180 - 224 U2 Complete Single Seal	SiC/SiC/Viton®	--	W220U2-00-2200V
180 - 224 U2 Complete Double Seal	SiC/CBN/SiC/CBN/EPDM	--	W220U2-00-2525E
180 - 224 U2 Complete Double Seal	SiC/CBN/SiC/CBN/Viton®	--	W220U2-00-2525V

180 - 224 U2 Complete Double Seal	Cer/CBN/Cer/CBN/EPDM	--	W220U2-00-7575E
180 - 224 U2 Complete Double Seal	Cer/CBN/Cer/CBN/Viton®	--	W220U2-00-7575V
180 - 224 U2 Complete Double Seal	Cer/Cer/Cer/CBN/EPDM	--	W220U2-00-7775E
180 - 224 U2 Complete Double Seal	Cer/Cer/Cer/CBN/Viton®	--	W220U2-00-7775V
180 - 224 U2 Complete Double Seal	SiC/SiC/EPDM	--	W220U2-00-2225E
180 - 224 U2 Complete Double Seal	SiC/SiC/Viton®	--	W220U2-00-2225V

**SEAL LIST - ZMT Engineered WAUKESHA® U2 180, 220, 224 PD Pump**

<b>180 - 224 U2 ZMT Engineered Seal Seat w/Retainer</b>	<b>SiC/SS</b>	<b>101677</b>	<b>W220U2Z-00-2000</b>
<b>180 - 224 U2 ZMT Engineered Inner Seal w/Retainer</b>	<b>SiC/SS</b>	<b>101665</b>	<b>W220U2Z-00-0200</b>
<b>180 - 224 U2 ZMT Engineered Complete Single Seal</b>	<b>SiC/SiC/EPDM</b>	<b>--</b>	<b>W220U2Z-00-2200E</b>
<b>180 - 224 U2 ZMT Engineered Complete Single Seal</b>	<b>SiC/SiC/Viton®</b>	<b>--</b>	<b>W220U2Z-00-2200V</b>

**SEAL LIST - Waukesha® U2 210, 320, 324 PD Pump**

Description	Material	Reference Part No.	ZMT Part No.
210 - 324 U2 Inner Seal	SiC	105414	W320U2-00-0200
210 - 324 U2 Inner Seal	Cer	105413	W320U2-00-0700
210 - 324 U2 Inner Seal	CBN	105412	W320U2-00-0500
210 - 324 U2 Seal Seat	SiC	105417	W320U2-00-2000
210 - 324 U2 Seal Seat	Cer	105416	W320U2-00-7000
210 - 324 U2 Outer Seal	CBN	105418	W320U2-00-0005
Inner Seal O Ring	Buna	N70154	WN70154
Inner Seal O Ring	EPDM	E70154	WE70154
Inner Seal O Ring	Viton®	V70154	WV70154
Seal Seat O Ring	Buna	N70149	WN70149
Seal Seat O Ring	EPDM	E70149	WE70149
Seal Seat O Ring	Viton®	V70149	WV70149
Outer Seal O Ring	Buna	N70160	WN70160
Outer Seal O Ring	EPDM	E70160	WE70160
Outer Seal O Ring	Viton®	V70160	WV70160
Wave spring, Inner Seal	17-7 SS	105419	W320U2-12-0300
Wave Spring, Outer Seal	17-7 SS	105420	W320U2-12-0003
210 - 324 U2 Complete Single Seal	CBN/SiC/EPDM	--	W320U2-00-2500E
210 - 324 U2 Complete Single Seal	CBN/SiC/Viton®	--	W320U2-00-2500V
210 - 324 U2 Complete Single Seal	SiC/SiC/EPDM	--	W320U2-00-2200E
210 - 324 U2 Complete Single Seal	SiC/SiC/Viton®	--	W320U2-00-2200V
210 - 324 U2 Complete Double Seal	SiC/CBN/SiC/CBN/EPDM	--	W320U2-00-2525E
210 - 324 U2 Complete Double Seal	SiC/CBN/SiC/CBN/Viton®	--	W320U2-00-2525V
210 - 324 U2 Complete Double Seal	Cer/CBN/Cer/CBN/EPDM	--	W320U2-00-7575E
210 - 324 U2 Complete Double Seal	Cer/CBN/Cer/CBN/Viton®	--	W320U2-00-7575V
210 - 324 U2 Complete Double Seal	Cer/Cer/Cer/CBN/EPDM	--	W320U2-00-7775E
210 - 324 U2 Complete Double Seal	Cer/Cer/Cer/CBN/Viton®	--	W320U2-00-7775V
210 - 324 U2 Complete Double Seal	SiC/SiC/EPDM	--	W320U2-00-2225E
210 - 324 U2 Complete Double Seal	SiC/SiC/Viton®	--	W320U2-00-2225V

**SEAL LIST - ZMT Engineered WAUKESHA® U2 210, 320, 324 PD Pump**

<b>210 - 324 U2 ZMT Engineered Seal Seat w/Retainer</b>	<b>SiC/SS</b>	<b>101677</b>	<b>W320U2Z-00-2000</b>
<b>210 - 324 U2 ZMT Engineered Inner Seal w/Retainer</b>	<b>SiC/SS</b>	<b>101665</b>	<b>W320U2Z-00-0200</b>
<b>210 - 324 U2 ZMT Engineered Complete Single Seal</b>	<b>SiC/SiC/EPDM</b>	<b>--</b>	<b>W320U2Z-00-2200E</b>
<b>210 - 324 U2 ZMT Engineered Complete Single Seal</b>	<b>SiC/SiC/Viton®</b>	<b>--</b>	<b>W320U2Z-00-2200V</b>

Seals listed with ZMt™, and shown in BOLD, are engineered cartridge seals by ZM Technologies and provide improved performance over the OEM design. These seals will lower your maintenance cost, reduce costly downtime, and address environmental concerns. The combined savings will pay for the seal in 6 months. O-rings and a wave spring are included when ordering a complete ZMT seal.

Viton® - Registered Trademark of DuPont Performance Elastomers.

Waukesha® - Registered Trademark of SPX Process Equipment