



Waterjet Systems
INTERNATIONAL

UNÜBERTROFFENE VERLÄSSLICHKEIT VON HOCHDRUCKPUMPEN,
ZUBEHÖRTEILEN UND SERVICE

KATALOG DER HOCHWERTIGEN ERSATZTEILE
FÜR **KMT**-HOCHDRUCKPUMPEN



VERBESSERUNG DER LEISTUNG IHRER KMT-PUMPE

- Schutz für Ihre Investition
- Erhöhung der Zuverlässigkeit und Wirtschaftlichkeit
- Verringerung der Kosten und Ausfallzeiten

Das umfassende Angebot von WSI an hochwertigen Ersatzteilen ist mit unserer Gewähr für Zufriedenheit und einem unvergleichlichen Engagement für Qualität und Service kombiniert und wird durch unseren schnellen und kostenfreien Zugriff auf technische Erfahrung von mehr als 40 Jahren unterstützt. Alle WSI-Teile sind auf Lager und bereit für eine sofortige Lieferung.



Willkommen bei der WSI-Familie

Auch wenn Sie keine unserer branchenführenden Hochdruckpumpen besitzen, sind Sie ein Mitglied unserer zufriedenen und gut versorgten Kundenfamilie.

Wir haben uns immer schon durch unseren Ruf, die innovativsten und hoch beanspruchbaren Wasserstrahlschneideprodukte zu führen, als vertrauenswürdiger und bevorzugter Parallel-Hersteller von eigenen KMT Wasserstrahlteilen von der Konkurrenz abgehoben. WSI hat sich eine Dominanz als wichtiger Lieferant und Dienstleister für führende Betriebe, globale Unternehmen und für die weltweit wichtigste Automobilbranche geschaffen. WSI steht auf Platz eins als größter Hersteller von Hochdruck-Ersatzteilen, die noch unter der originären Inhaberschaft stehen und kann eine Geschichte von patentierter Technologie und angesammelten technischen Kenntnissen von über 40 Jahren vorweisen.

Im Gegensatz zu anderen Herstellern von Wasserstrahlprodukten werden alle Produkte von WSI direkt an unserem Hauptsitz in Joplin, Missouri in den USA per Hand gefertigt. Unsere Genauigkeit und unsere strengen Standardwerte der Qualitätskontrolle sind in der Wasserstrahlbranche unerreicht. Unsere industriebewährte Leistung ist mit einer Gewähr für Zufriedenheit und einem unvergleichlichen Engagement für Service und Unterstützung kombiniert, die lange nach dem Verkauf noch geboten werden.

WSI Waterjet Systems International ist stolz darauf, ein weltweit etablierter, empfohlener und zuverlässiger Entwickler, Hersteller und Dienstleister von hochleistungsfähigen Wasserstrahlschneidepumpen mit Ultrahochdruck und Ersatzteilen zu sein.



Wir sorgen dafür, dass Ihr KMT-System besser denn je zuvor funktioniert.



Es werden nicht nur Ihre KMT-Teile ersetzt, sondern der gesamte Betrieb wird aktualisiert. Die innovativen Produkte von WSI schützen nicht nur Ihre Investition, sondern senken auch Ihre Kosten und Ausfallzeiten, wobei die Leistung Ihres Systems verbessert wird. Unser professioneller Kundendienst verbessert Ihren Nettoprofit mit Tipps für Geldeinsparungen, die Sie vielleicht nicht vom Kundendienst Ihres Erstausstatters erhalten würden.

Ausfallzeiten stellen weit mehr als eine Unannehmlichkeit dar...

WSI ist sich über einem im Klaren: Zeit ist Geld. Unsere einzigartige Fähigkeit, sehr schnell hochwertige eigenen KMT Ersatzteile mit vollkommener Austauschbarkeit bereitzustellen hat uns jedes Jahr einen bevorzugten Lieferantenstatus bei den wichtigsten Produktionsbetrieben beschert, die pro Minute Ausfallzeit einen Verlust von Tausenden von Euro riskieren.

Alle WSI-Teile werden fertig für eine sofortige Auslieferung gelagert und Sie erhalten Unterstützung durch einen schnellen und kostenfreien Zugriff auf unübertroffene technische Erfahrung.



Wir sind einsatzbereit, wenn Sie uns brauchen!

Bestellen Sie über die E-Commercesite beim WSI-Store. Rufen Sie **uns in den USA unter +1.417.781.7778 und in Europa unter +41.91.220.4184** an. Besuchen Sie **wsewaterjet.com** für eine individuelle Unterstützung oder um eine Benutzerkennung und ein Passwort einzurichten.



Waterjet Systems
INTERNATIONAL

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Waterjet Systems
INTERNATIONAL

High-Pressure Waterjet Cutting Pumps

MODEL K50c
MODEL K60c

THE K-SERIES PUMP

Waterjet Systems International has been a premier manufacturer of replacement parts for use on KMT® waterjet pumps for over 20 years. Therefore, it's only natural that our loyal KMT waterjet customers would request a pump to complement their existing systems and spare part stock.

Introducing the K-Series High-Pressure Waterjet Pump from WSI.

WSI's K-Series Waterjet Pumps were designed at the request of our KMT-style parts customers who wanted a quality WSI waterjet system that was interchangeable with their existing KMT brand waterjet pumps. The result is a versatile, dependable WSI waterjet pump that surpasses the competition in value, construction, and performance.

K-Series pumps offer the ultimate in flexibility. Systems can be configured with an SLIV, SLIV+, SLV+, or SLV Classic style intensifier topworks, which eliminates the need for additional spare part stock.

The WSI high-pressure components used on the K-Series pumps ensure maximum reliability of the high-pressure system and lower replacement costs vs. the competition. WSI's total quality commitment means only the highest quality components throughout the system such as RexRoth hydraulic components, Allen-Bradley electrical components, and Autoclave high-pressure fittings.

Reliability, savings, and value. The K-Series by WSI...it's nice to have options.



with side
covers



For businesses both large and small, WSI Waterjet Systems International is defined by its commitment to quality, value, and service, which continues long after the sale. WSI takes pride in being the globally established, recommended, and trusted designer, manufacturer and servicer of ultra-high-pressure and high-performance waterjet cutting pumps and replacement parts. Only WSI delivers handcrafted, patented technology, reduced operation costs, a longer running life, and a truly unique approach to providing customers with the long-term relationship necessary for the successful operation and maintenance of its waterjet cutting pumps.

Features and Advantages



Allen-Bradley



Rexroth
Bosch Group



Autoclave
Engineers

- Straight-run high-pressure tubing and fittings throughout the system – greatly extends tubing life vs. bent tubing and provides ease of on-site coning/threading.
- Heavy-duty 3/16" (4.76mm) frame design.
- Open-frame design for accessibility and ease of maintenance.
- Reduced stocking costs and little to no maintenance learning curve for existing KMT-style pump owners.
- Maximum reliability with top-quality components throughout the system.
- .96 liter accumulator.
- Two-canister filtration (1 & 5 micron) for improved water quality and low replacement costs.
- Motor mount vibration isolators.
- Durable, heavy-gauge metal side and top covers with sound insulation.
- Oversized hydraulic reservoir and high-efficiency plate heat exchanger for greener, more cost-effective cooling.
- Optional dual compensator provides simple control of the cutting pressure for tasks such as piercing and drilling.
- Optional redundancy can be added at time of purchase or later as production requirements increase.
- Hydraulic throttle block helps reduce shifting intensity on pressure reversals.
- Inlet, cutting water booster pump included.
- Comprehensive set of spares, special tools, and manuals with each unit.



Waterjet Systems
INTERNATIONAL

UNRIVALED DEPENDABILITY IN CUTTING PUMPS, PARTS AND SERVICE

TECHNICAL SPECIFICATIONS

Design Pressure:

60,000 psi (4,140 bars)

Maximum Operating Pressure:

55,000 psi (3,800 bars)

High-Pressure Flow Rate:

1.00 gpm (3.78 lpm)

Intensifier Cycle Rate:

27 cycles/min. at max. flow rate

Electrical System:

Main Motor: 50 hp / 37 kW (TEFC)

208 VAC / 3 ph. / 60 Hz

230 VAC / 3 ph. / 60 Hz

460 VAC / 3 ph. / 60 Hz

190 VAC / 3 ph. / 50 Hz

380 VAC / 3 ph. / 50 Hz

Air/Oil Heat Exchanger Motor:

1/4 hp / 0.18 kW

120 VAC / 1 ph. / 60-50 Hz

208 VAC / 1 ph. / 60-50 Hz

230 VAC / 1 ph. / 60-50 Hz

Motor Speeds:

1800 rpm @ 60 Hz

1500 rpm @ 50 Hz

Controls:

120 VAC / 24 VDC

Safety Shutdown Circuits:

High Oil Temperature

Low Oil Level

Low Water Pressure

Intensifier Over-speed

Intensifier Stall

Hydraulic System:

4.33 cu. in. (71 cu. cm) Axial Piston Pump

Max. Operating Pressure: 3,000 psi (207 bars)

Cooling Water Flow Rate: 2 gpm (7.56 lpm)

Low-Pressure Cutting Water System:

Optimum Inlet Pressure: 65 psi (4.50 bars)

Booster Pump Setting: 225 psi (15.5 bars)

Orifice Capacity at 55,000 psi (3,800 bars):

Quantity / Orifice Diameter

1 – 0.014 in. (0.35 mm)

2 – 0.010 in. (0.25 mm)

4 – 0.007 in. (0.17 mm)

8 – 0.005 in. (0.12 mm)

Physical Dimensions:

Height: 52 inches (1.32 meters)

Width: 42 inches (1.06 meters)

Length: 64 inches (1.62 meters)

Weight: 2,900 pounds (1,315 kg)

K50c

Design Pressure:

60,000 psi (4,140 bars)

Maximum Operating Pressure:

55,000 psi (3,800 bars)

High-Pressure Flow Rate:

1.10 gpm (4.15 lpm)

Intensifier Cycle Rate:

31 cycles/min. at max. flow rate

Electrical System:

Main Motor: 60 hp / 45 kW (TEFC)

208 VAC / 3 ph. / 60 Hz

230 VAC / 3 ph. / 60 Hz

460 VAC / 3 ph. / 60 Hz

190 VAC / 3 ph. / 50 Hz

380 VAC / 3 ph. / 50 Hz

Air/Oil Heat Exchanger Motor:

1/4 hp / 0.18 kW

120 VAC / 1 ph. / 60-50 Hz

208 VAC / 1 ph. / 60-50 Hz

230 VAC / 1 ph. / 60-50 Hz

Motor Speeds:

1800 rpm @ 60 Hz

1500 rpm @ 50 Hz

Controls:

120 VAC / 24 VDC

Safety Shutdown Circuits:

High Oil Temperature

Low Oil Level

Low Water Pressure

Intensifier Over-speed

Intensifier Stall

Hydraulic System:

4.33 cu. in. (71 cu. cm) Axial Piston Pump

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Low-Pressure Cutting Water System:

Optimum Inlet Pressure: 65 psi (4.50 bars)

Booster Pump Setting: 225 psi (15.5 bars)

Orifice Capacity at 55,000 psi (3,800 bars):

Quantity / Orifice Diameter

1 – 0.015 in. (0.38 mm)

2 – 0.011 in. (0.28 mm)

5 – 0.007 in. (0.17 mm)

9 – 0.005 in. (0.12 mm)

Physical Dimensions:

Height: 52 inches (1.32 meters)

Width: 42 inches (1.06 meters)

Length: 64 inches (1.62 meters)

Weight: 2,900 pounds (1,315 kg)

K60c

MODEL K50c MODEL K60c

Choose from these
intensifier options:

SL-IV



SL-IV+



SL-V+



SL-V Classic



Interested in learning about
WSI's extensive line of
proprietary and industrially
proven high-pressure
waterjet cutting pumps?

Call US/International
+1.417.781.7778
Europe +41.91.2204184 or
visit wsiwaterjet.com.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

WSI produces their own waterjet parts and is in no way associated with KMT.
KMT is a registered trademark of Karolin Machine Tool AB.



Orifices

Abrasive Orifices, Autoline I & II Style



Sapphire

WSI No.	Replaces	KMT No.	Product Description
ORAL07		05109079	Orifice, Sapphire, Abrasive, .007 in./ .18 mm
ORAL08		05109087	Orifice, Sapphire, Abrasive, .008 in./ .20 mm
ORAL10		05109103	Orifice, Sapphire, Abrasive, .010 in./ .25 mm
ORAL11		05109111	Orifice, Sapphire, Abrasive, .011 in./ .28 mm
ORAL12		05109129	Orifice, Sapphire, Abrasive, .012 in./ .30 mm
ORAL13		20412569	Orifice, Sapphire, Abrasive, .013 in./ .33 mm
ORAL14		05109137	Orifice, Sapphire, Abrasive, .014 in./ .35 mm



Diamond

WSI No.	Replaces	KMT No.	Product Description
ORAL10D		05077029	Orifice, Diamond, Abrasive, .010 in./ .25 mm

Water-Only Orifices – Long Stem



Sapphire

WSI No.	Replaces	KMT No.	Product Description
ORA2260002		20459466 or A2260002 or 80121	Orifice, .002 in. (.051 mm) – special order
ORA2260003		20459469 or A2260003 or 80100	Orifice, .003 in. (.076 mm)
ORA2260004		20459472 or 49863574 or 80177	Orifice, .004 in. (.102 mm)
ORA2260005		20459475 or 49863582	Orifice, .005 in. (.127 mm)
ORA2260006		20459478 or 05133848 or 91954073	Orifice, .006 in. (.152 mm)
ORA2260007		20431118 or 49863590 or 20459481	Orifice, .007 in. (.178 mm)
ORA2260008		20459484 or 49865850 or A2260008	Orifice, .008 in. (.203 mm)
ORA2260009		49863608 or 20459487 or A2260009	Orifice, .009 in. (.229 mm)
ORA2260010		20459490 or 10014849 or 49863616	Orifice, .010 in. (.254 mm)
ORA2260011		20459493 or A2260011	Orifice, .011 in. (.279 mm)
ORA2260012		49863624 or 20459496 or A2260012	Orifice, .012 in. (.305 mm)
ORA2260013		20459499 or A2260013	Orifice, .013 in. (.330 mm)
ORA2260014		49863632 or 20459502 or A2260014	Orifice, .014 in. (.356 mm)
ORA2260015		20465872 or A2260015	Orifice, .015 in. (.381 mm)
ORA2260016		20465876 or A2260016	Orifice, .016 in. (.406 mm)
ORA2260021		A2260021	Orifice, .021 in. (.533 mm)
ORA2260028		A2260028	Orifice, .028 in. (.711 mm)

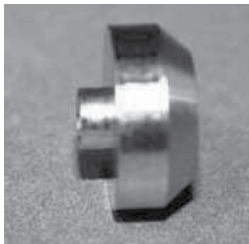


Diamond

WSI No.	Replaces	KMT No.	Product Description
ORA2260006D		49888886	Orifice, Diamond, Water, .006 in./ .15 mm

Orifices

Water-Only Orifices – Short Stem



Sapphire

WSI No.	Replaces	KMT No.	Product Description
ORC1638-4		20459907	Orifice, .004 in./0.10 mm
ORC1638-5		20459910	Orifice, .005 in./0.12 mm
ORC1638-6		20459913	Orifice, .006 in./0.15 mm
ORC1638-7		20459916	Orifice, .007 in./0.17 mm
ORC1638-8		20459919	Orifice, .008 in./0.20 mm
ORC1638-9		20459922	Orifice, .009 in./0.23 mm
ORC1638-10		20459925	Orifice, .010 in./0.25 mm
ORC1638-11		20459928	Orifice, .011 in./0.28 mm
ORC1638-12		20459931	Orifice, .012 in./0.30 mm
ORC1638-13		20459934	Orifice, .013 in./0.33 mm
ORC1638-14		20459937	Orifice, .014 in./0.35 mm

Abrasive Focusing Tubes (Mixing Tubes & Nozzles)



Roctec 100

WSI No.	Replaces	KMT No.	Product Description
AB37A		49835390	Mix Tube, RT100, .040 in./1.00 mm ID/.373 (9.47 mm) OD/3.00" (76 mm) OAL
AB37B		10126969 or 560996110	Mix Tube, RT100, .030 in. 0.76 mm ID/.373 (9.47 mm) OD/3.00" (76 mm) OAL
AB37C		10126928 or 560996111	Mix Tube, RT100, .043 in. 1.09 mm ID/.373 (9.47 mm) OD/3.00" (76 mm) OAL
AB37D		20451227	Mix Tube, RT100, .020 in. 0.51 mm ID/.373 (9.47 mm) OD/3.00" (76 mm) OAL

Roctec 500

WSI No.	Replaces	KMT No.	Product Description
AB37D500		05097928	Mix Tube, RT500, .020 (0.51 mm) ID/.373 (9.47 mm) OD/3.00" (76 mm) OAL
AB37B500		05097944	Mix Tube, RT500, .030 (0.76 mm) ID/.373 (9.47 mm) OD/3.00" (76 mm) OAL
AB37A500			Mix Tube, RT500, .040 (1.00 mm) ID/.373 (9.47 mm) OD/3.00" (76 mm) OAL
AB37C500		05097936	Mix Tube, RT500, .043 (1.09 mm) ID/.373 (9.47 mm) OD/3.00" (76 mm) OAL

Abrasive Cutting Head Assemblies

Prealigned Diamond Cutting Head Assemblies



AB20477950 – Abrasive Nozzle Assembly w/ HP Filter

WSI No.	Replaces	KMT No.	Product Description
AB20477950010		20477950010	Abrasive Nozzle Assembly, .010 in./0.25 mm, Single Port, LH, W/SSF
AB20477950013		20477950013	Abrasive Nozzle Assembly, .013 in./0.33 mm, Single Port, LH, W/SSF
AB20477950014		20477950014	Abrasive Nozzle Assembly, .014 in./0.35 mm, Single Port, LH, W/SSF
AB20477950A		20454342	Nut, Abrasive Nozzle, .373"
AB20464024		20464024	Suction Port Adaptor, Abrasive Nozzle, .373





Abrasive Cutting Head Assemblies

Prealigned Diamond Cutting Head Assembly cont'd

AB20477950 – Abrasive Nozzle Assembly w/ HP Filter



WSI No.	Replaces	KMT No.	Product Description
AB20464024A		10074870	O-Ring, Suction Port Adaptor, Abrasive Nozzle, .373



AB20454345		20454345	Retaining Collet, .373" ID, Brass
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FL20454426		20454426	Filter, SS
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FL20454360		20454360	Adaptor Insert, 1/4", SS Filter
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VL20454351		20454351	Gland Nut, Abrasive Cutting Head Assembly
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AB20477959 – Abrasive Nozzle Assembly



WSI No.	Replaces	KMT No.	Product Description
AB20477959010		20477959010	Abrasive Nozzle Assembly, .010"/0.25 mm, Single Port, LH
AB20477959013		20477959013	Abrasive Nozzle Assembly, .013"/0.33 mm, Single Port, LH
AB20477959014		20477959014	Abrasive Nozzle Assembly, .014"/0.35 mm, Single Port, LH



AB20477950A		20454352	Nut, Abrasive Nozzle, .373"
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AB20464024		20464024	Suction Port Adaptor, Abrasive Nozzle, .373
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AB20464024A		10074870	O-Ring, Suction Port Adaptor, Abrasive Nozzle, .373
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AB20454345		20454345	Retaining Collet, .373" ID, Brass
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VL20454351		20454351	Gland Nut, Abrasive Cutting Head Assembly
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Abrasive Cutting Head Assemblies

KMT (I.R.) Autoline® Style Abrasive Cutting Head Assembly

	WSI No.	Replaces	KMT No.	Product Description
	AB05078530		05078530	Abrasive Cutting Head Assembly, AL, .030
	AB05147970		05147970	Abrasive Cutting Head Assembly, AL, .043
	AB05076955		05076955	Wear Insert, .030 in./763 mm, Abrasive Nozzle (Orifices 0-.012 in./304 mm)
	AB05135827		05135827	Wear Insert, .043, Abrasive Nozzle (orifices .013+/.330 mm+)
	AB05073820		05073820 or 0560996523	Cartridge, Abrasive Nozzle
	AB05076989		05076989 or 0560996525	Adaptor, Abrasive Feed Tube
	AB05076971		05076971 or 0560996522	Body (Cap Assembly), Abrasive Nozzle
	AB05078712		05078712 or 0560996530	Retainer Knob, Focusing Tube
	AB05077292		05077292 or 0560996526	Set Screw, Wear Insert
	AB05081518		05081518 or 0560996527	O-Ring, 3/8" x 1/2"
	AB05104930		05104930 or 0560996528	O-Ring, 1/2" x 5/8"
	AB05092887		05092887 or 0560996529	O-Ring, 3/4" x 7/8"
	Autoline Style Orifices sold separately; can be found on page 8			



Pneumatic Waterjet Cutting Valves & Dump Valves

Normally Closed Pneumatic Cutting Valve Assembly

	WSI No.	Replaces	KMT No.	Product Description
	VL10138824		10138824	Normally Closed Pneumatic Cutting Valve Assembly
	VL05116025		05116025	Repair Kit, Normally Closed Valve
	VL10178978		10178978 or 20428052 or 0560996123	Seal Assembly, .25"
	VL20428052		20428052 or 10178978	Seal Assembly, 1/4", Pneumatic Valve, New Style, Gold
	VL10188233		10188233 or 0560996121	Back-Up Ring, 1/4" Seal
	VL10187250		10187250 or 0560996122	Bearing (Back-Up) Disk Stainless Steel, 1/4" Seal
	VL20435636		20435636	Valve Stem, Pneumatic Valve, Flat
	VLBV901184		BV901184	Valve Stem, Pneumatic Valve, Round
	VL49895584		49895584 or 0560996120	O-Ring, Valve Stem, NC/NO Valve
	VL10178697		10178697 or 0560996509	Valve Seat
	VL10189181		10189181 or 560996508	Valve Body, 1/4" Bore
	VL05054119		05054119	Spring Kit, Normally Closed Pneumatic Valve, Six Springs, SS
	VLBV701184		BV701184 or 49894249	Gland Nut, NC/NO Valve
	VL10176543		10176543	Cylinder, Normally Closed Valve
	VL10177772		10177772	Snap Ring, Normally Closed Valve

Pneumatic Waterjet Cutting Valves & Dump Valves

Normally Closed Pneumatic Cutting Valve Assembly cont'd

	WSI No. Replaces	KMT No.	Product Description
	VL10177780	10177780	Seal/Wiper, Normally Closed Valve
	VL10177806	10177806	O-Ring, Normally Closed Valve
	VL20411554	20411554 or 10176568	Top Cover, Normally Closed Valve Actuator
	VL20411546	20411546 or 05145990	Piston, Normally Closed Valve Actuator
	VL00080028	00080028	Cover, NC Pneumatic Valve Actuator
	VL10177855	10177855 or 0560996118	Actuator Assembly, Normally Closed Valve
	MSB2841	560996546 or 49863665	Nozzle Nut, 3/8"
	MSB3393	49865405	Nozzle Nut, 9/16"
	Nozzle Tubes Sold Separately. See pages 17-18		

Normally Open Pneumatic Cutting Valve Assembly

	WSI No. Replaces	KMT No.	Product Description
	VL10184760	10184760	Normally Open Pneumatic Cutting Valve Assembly
	VL05116017	05116017	Normally Open Valve Repair Kit
	VL10178978	10178978 or 20428052 or 0560996123	Seal Assembly, .25"
	VL10188233	10188233 or 0560996121	Back-Up Ring, 1/4" Seal
	VL10187250	10187250 or 0560996122	Bearing (Back-Up) Disk, Stainless Steel, 1/4" Seal



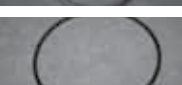
Pneumatic Waterjet Cutting Valves & Dump Valves

Normally Open Pneumatic Cutting Valve Assembly cont'd

	WSI No. Replaces	KMT No.	Product Description
	VL20435636	20435636	Valve Stem, Pneumatic Valve, Flat
	VLBV901184	BV901184	Valve Stem, Pneumatic Valve, Round
	VL49895584	49895584 or 0560996120	O-Ring, Valve Stem, NC/NO Valve
	VL10178697	10178697 or 0560996509	Valve Seat
	VL10189181	10189181 or 560996508	Valve Body, 1/4" Bore
	VL10189553	10189553	Actuator Assembly, Normally Open Valve
	VL49894199	BV401184	Actuator Cylinder, NS
	VLBV501184	BV501184 or 49894181	Piston, Pneumatic Valve
	VL10074631	10074631	O-Ring, Valve Piston, 2-1/4" x 2-3/8" x 1/16"
	VL10074714	10074714	O-Ring, Actuator Housing 2-7/16" x 2-5/8"
	VLBV701184	BV701184 or 49894249	Gland (Valve) Nut, NC/NO Valve
	VLBV601184	BV601184 or 49894173	Top Closure, Normally Open Valve Actuator
	MSB2841	560996546	Nozzle Nut, 3/8"
	MSB3393	49865405	Nozzle Nut, 9/16"
	Nozzle Tubes Sold Separately. See pages 17-18		

Pneumatic Waterjet Cutting Valves & Dump Valves

Normally Open, Dump Valve Assembly

	WSI No.	Replaces	KMT No.	Product Description
	VL05069703		05069703	Normally Open, Dump Valve Assembly
	VL05116017		05116017	Normally Open, Valve Repair Kit
	VL10178978		10178978 or 20428052 or 0560996123	Seal Assembly, .25"
	VL20428052		20428052 or 10178978	Seal Assembly, 1/4", Pneumatic Valve, New Style, Gold
	VL10188233		10188233 or 0560996121	Back-Up Ring, 1/4" Seal
	VL10187250		10187250 or 0560996122	Bearing (Back-Up) Disk Stainless Steel, 1/4" Seal
	VL20435636		20435636	Valve Stem, Pneumatic Valve, Flat
	VLBV901184		BV901184	Valve Stem, Pneumatic Valve, Round
	VL49895584		49895584 or 0560996120	O-Ring, Valve Stem, NC/NO Valve
	VL10178697		10178697 or 0560996509	Valve Seat
	VL10189181		10189181 or 560996508	Valve Body, 1/4" Bore
	VL49894199		BV401184	Actuator Cylinder, NS
	VLBV501184		BV501184 or 49894181	Piston, Pneumatic Valve
	VLBV601184		BV601184 or 49894173	Top Closure, Normally Open Valve Actuator
	VL10074714		10074714	O-Ring, Actuator Housing 2-7/16" x 2-5/8"
	VL10074565		10074565	O-Ring, 2-14" x 2-3/8" x 1/16"
	FT10079580		10079580	Adaptor Bushing, 9/16" Male x 1/4" Female

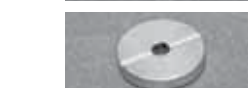


Pneumatic Waterjet Cutting Valves & Dump Valves

Normally Open, Dump Valve Assembly cont'd

	WSI No. Replaces	KMT No.	Product Description
	FT10306097	10306097 or 10079291	Adaptor Bushing, 9/16"
	FTACL40	10078426	Collar, 1/4"
	FTAGL40	10078459	Gland Nut, 1/4"
	FTACL60	49864622	Collar, 3/8"
	FTAGL60	49864564	Gland Nut, 3/8"
	WA6054	05450176	Hex Nipple, 1/8" NPT
	WM1007	–	Solenoid Valve, Pneumatic, 120 VAC
	WM1008	49888035	Solenoid Valve, Pneumatic, 24 VDC

Normally Open, Dump Valve Assembly, 3 Port, Round

	WSI No. Replaces	KMT No.	Product Description
	VL20427739	20427739	Normally Open, Dump Valve Assembly, 3 Port, Round
	VL05116017	05116017	Normally Open, Valve Repair Kit
	VL10178978	10178978 or 20428052 or 0560996123	Seal Assembly, .25"
	VL20428052	20428052 or 10178978	Seal Assembly, 1/4", Pneumatic Valve, New Style, Gold
	VL10188233	10188233 or 0560996121	Back-Up Ring, 1/4" Seal
	VL10187250	10187250 or 0560996122	Bearing (Back-Up) Disk Stainless Steel, 1/4" Seal

Pneumatic Waterjet Cutting Valves & Dump Valves

Normally Open, Dump Valve Assembly, 3 Port, Round cont'd

	WSI No. Replaces	KMT No.	Product Description
	VL20435636	20435636	Valve Stem, Pneumatic Valve, Flat
	VL49895584	49895584 or 0560996120	O-Ring, Valve Stem, NC/NO Valve
	VL10178697	10178697 or 0560996509	Seat, Pneumatic Valve
	VL20427648	20427648	Valve Body, 1/4", Dump Valve, 3 Port
	VL10189553	10189553	Actuator Assembly, Normally Open Valve
	VL49894199	BV401184	Actuator Cylinder, NS
	VLBV501184	BV501184 or 49894181	Piston, Pneumatic Valve
	VLBV601184	BV601184 or 49894173	Top Closure, Normally Open Valve Actuator
	VL10074714	10074714	O-Ring, Actuator Housing 2-7/16" x 2-5/8"
	VL10074565	10074565	O-Ring, 2-14" x 2-3/8" x 1/16"
	VL49830904	49830904	Adaptor, HP Pneumatic Dump Valve, 3 Port
	WM1008	49888035	Solenoid Valve, Pneumatic, 24 VDC

Nozzle Tubes – Abrasive and Straight Water

3/4" (19.05 mm) Abrasive Connection – For use with KMT IDE Style Cutting Head, 60,000 psi

	WSI No. Replaces	KMT No.	Product Description
	VL20489074	20489074	Nozzle Tube, .750" x 3.750", LH, HP Connection
	VL20489092	20489092	Nozzle Tube, .750" x 4.750", LH, HP Connection
	VL20455329	20455329	Nozzle Tube, .750" x 5.750", LH, HP Connection
	VL20480977	20480977	Nozzle Tube, .750" x 7.750", LH, HP Connection
	VL72101354	72101354	Nozzle Tube, .750" x 8.750", LH, HP Connection
	VL20464647	20464647	Nozzle Tube, .750" x 9.750", LH, HP Connection



Nozzle Tubes – Abrasive and Straight Water

3/8" (9.53 mm) Nozzle Nut Connection



WSI No.	Replaces	KMT No.	Product Description
VL10181113		10181113	Nozzle Tube, RS 9/16" x 2.650", 3/8" NN
VL10138402		10138402	Nozzle Tube, RS 9/16" x 3.650", 3/8" NN
VL10138410		10138410	Nozzle Tube, RS 9/16" x 4.650", 3/8" NN
VL10138428		10138428	Nozzle Tube, RS 9/16" x 5.650", 3/8" NN
VL10138436		10138436	Nozzle Tube, RS 9/16" x 6.650", 3/8" NN
VL10138444		10138444 or 0560996543	Nozzle Tube, RS 9/16" x 7.650", 3/8" NN
VL10138451		10138451	Nozzle Tube, RS 9/16" x 8.650", 3/8" NN
VL10138469		10138469	Nozzle Tube, RS 9/16" x 9.650", 3/8" NN

3/8" (9.53 mm) Nozzle Nut Connection with Wrench Flats



WSI No.	Replaces	KMT No.	Product Description
VL10138428F			Nozzle Tube, RS 9/16" x 5.650", 3/8" NN, with Flats

3/8" (9.53 mm) Tubing Connection



WSI No.	Replaces	KMT No.	Product Description
VL10138584		10138584 or 0560996539	Nozzle Tube, RS 9/16" x 3.650", 3/8" TC
VL10138592		10138592	Nozzle Tube, RS 9/16" x 4.650", 3/8" TC
VL10138600		10138600	Nozzle Tube, RS 9/16" x 5.650", 3/8" TC
VL10138618		10138618	Nozzle Tube, RS 9/16" x 6.650", 3/8" TC
VL10138634		10138634	Nozzle Tube, RS 9/16" x 7.650", 3/8" TC
VL10138642		10138642	Nozzle Tube, RS 9/16" x 8.650", 3/8" TC
VL10138659		10138659	Nozzle Tube, RS 9/16" x 9.650", 3/8" TC

9/16" (14.29 mm) Nozzle Nut Connection



WSI No.	Replaces	KMT No.	Product Description
VL10138477		10138477	Nozzle Tube, RS 9/16" x 2.650", 9/16" NN
VL10138485		10138485	Nozzle Tube, RS 9/16" x 3.650", 9/16" NN
VL10138493		10138493	Nozzle Tube, RS 9/16" x 4.650", 9/16" NN
VL10138501		10138501	Nozzle Tube, RS 9/16" x 5.650", 9/16" NN
VL10138519		10138519	Nozzle Tube, RS 9/16" x 6.650", 9/16" NN
VL10138527		10138527	Nozzle Tube, RS 9/16" x 7.650", 9/16" NN
VL10138535		10138535	Nozzle Tube, RS 9/16" x 8.650", 9/16" NN
VL10181105		10181105	Nozzle Tube, RS 9/16" x 9.650", 9/16" NN

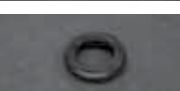
9/16" (14.29 mm) Tubing Connection



WSI No.	Replaces	KMT No.	Product Description
VL10138667		10138667	Nozzle Tube, RS 9/16" x 3.650", 9/16" TC
VL10138675		10138675	Nozzle Tube, RS 9/16" x 4.650", 9/16" TC
VL10138683		10138683	Nozzle Tube, RS 9/16" x 5.650", 9/16" TC
VL10138691		10138691	Nozzle Tube, RS 9/16" x 6.650", 9/16" TC
VL10138709		10138709	Nozzle Tube, RS 9/16" x 7.650", 9/16" TC
VL10138717		10138717	Nozzle Tube, RS 9/16" x 8.650", 9/16" TC
VL10138725		10138725	Nozzle Tube, RS 9/16" x 9.650", 9/16" TC

Filters (High-Pressure Water)

Large High-Pressure Filter Assembly, 9/16"

	WSI No.	Replaces	KMT No.	Product Description
	FLBF103473		BF103473 or 49893555	Large High-Pressure Filter Assembly
	FLAF913972		AF913972 or 49894306	Inlet Retaining Nut, Large HP Filter
	FLAF403473		AF403473 or 49894314	Sealing Head, Inlet, Lrg HP Filter
	FLBF803473		BF803473 or 49894298	Seat Washer, Large HP Filter
	FL10074227		10074227	O-Ring, Sealing Head, 3/8" x 5/8" x 1/8"
	FLBF203473		BF203473 or 49894280	Body, Large HP Filter
	FL10074391		10074391 or 10074599	O-Ring, Filter Element, 3/8" x 1/2" x 1/16"
	FLAF503473		AF503473 or 49894272	Filter Element, Large HP Filter, 40 Micron
	FLAF503473C		AF503473C	Filter Element, Large HP Filter, 20 Micron
	FLAF303473		AF303473 or 49894264	Sealing Head, Outlet, Large HP Filter
	FLAF413972		AF413972 or 49894256	Outlet Retaining Nut, Large HP Filter

Inline Filter Assembly, 3/8"

	WSI No.	Replaces	KMT No.	Product Description
	FLCJ200988		CJ200988 or 49863715	Inline Filter Assembly, 3/8"
	FLSKJA286		SKJA286	Filter Adaptor, 3/8" Inline Filter
	FLA252		A252	Retaining Nut, 3/8" Inline Filter



Filters (High-Pressure Water)

Inline Filter Assembly, 3/8" cont'd



WSI No.	Replaces	KMT No.	Product Description
FLSKJA266		SKJA266 or 49862261	Filter Element, 3/8" Inline Filter



FLCJ200988A		CJ200988A	Filter Body, 3/8" Inline Filter
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FLSKJA287		SKJA287	Bayonet Nipple, 3/8" Inline Filter
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Inline Filter Assembly, 1/4"



WSI No.	Replaces	KMT No.	Product Description
FL05114137		05114137	Inline Filter Assembly, 1/4"



FL05114129		05114129	Body, 1/4" Inline Filter
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FL05110531		05110531	Element, 1/4" Inline Filter
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FL05114152		05114152	Seat, 1/4" Inline Filter
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FL05114145		05114145	Retaining Nut, 1/4" Inline Filter
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Short Stop Filter Assembly, 1/4" (for use with SS Adaptor body, 1/4", FL05212424)



WSI No.	Replaces	KMT No.	Product Description
FL20454615		20454615	Short Stop Filter Assembly, 1/4"



FL20454360		20454360	Adaptor, Short Stop Filter, 1/4"
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FL20454426		20454426	Filter, Short Stop, .006"
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Short Stop Adaptor Body w/ Insert 1/4"



WSI No.	Replaces	KMT No.	Product Description
FL05212424		05212424	Short Stop Adaptor Body with Insert, 1/4"



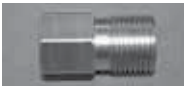
FL20454360		20454360	Adaptor, Short Stop Filter, 1/4"
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FL20439155		20439155	Adaptor Body, 1/4" Short Stop Filter
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Filters (High-Pressure Water)

Short Stop Filter Assembly with Adaptor Body, 1/4"

	WSI No.	Replaces	KMT No.	Product Description
	FL20454363		20454363	Short Stop Filter Assembly with Adaptor Body, 1/4"
		FL20454360	20454360	Adaptor, Short Stop Filter, 1/4"
		FL20454426	20454426	Filter, Short Stop, .006"
		FL05212424B	05212424B	Adaptor Body, 1/4" Short Stop Filter
		FTACL40	10078426	Collar, 1/4"
	FTAGL40		10078459	Gland Nut, 1/4"

Short Stop Filter Assembly, 3/8"

	WSI No.	Replaces	KMT No.	Product Description
	FL20454366		20454366	Short Stop Filter Assembly, 3/8"
		FL20454288	20454288	Adaptor Body, 3/8" Short Stop Filter
	FL20454426		20454426	Filter, Short Stop

Swivels

Swivel Joint Assembly, 1/4" Straight

	WSI No.	Replaces	KMT No.	Product Description
	SWCJ101383		CJ101383 or 49865256	Swivel Joint Assembly, 1/4" Straight
		SWCJ101KIT	—	Repair Kit, Swivel, 1/4"
		SW10114213	10114213	Repair Kit, Swivel, 1/4"
		SWBJ1301483	49865363 or BJ1301483	Seal Assembly
		SWNTA411	NTA411 or 49865801	Bearing, Thrust



Swivels

Swivel Joint Assembly, 1/4" Straight cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SWTRA411		TRA411 or 49865777	Washer, Thrust
	SWTRC411		TRC411	Washer, Thrust, HS
	SW10081727		10081727 or 91955153	Back-Up Ring
	SW10074789		10074789	O-Ring, 1/8" x 1/4" x 1/16"
	SWCJ1001483		CJ1001483 or 49865322	Spindle, 1/4" Male
	SWCJ301483		CJ301483 or 49865314	Swivel Body, 1/4"
	SWCJ401383		CJ401383 or 49865264	Adaptor, Swivel, 1/4"
	SWBJ601483		BJ601483 or	Retaining Nut Assembly, 1/4"

Swivel Joint Assembly, 1/4" – 90 Degree

	WSI No.	Replaces	KMT No.	Product Description
	SWCJ101483		CJ101483 or 49865744	Swivel Joint Assembly, 1/4" - 90 Degree
	SWCJ101KIT		–	Repair Kit, Swivel, 1/4"
	SW10114213		10114213	Repair Kit, Swivel, 1/4"
	SWBJ1301483		49865363 or BJ1301483	Seal Assembly
	SW10081727		10081727 or 91955153	Back-Up Ring
	SWTRA411		TRA411 or 49865777	Washer, Thrust
	SWNTA411		NTA411 or 49865801	Bearing, Thrust

Swivels

Swivel Joint Assembly, 1/4" – 90 Degree cont'd

	WSI No. Replaces	KMT No.	Product Description
	SWTRC411	TRC411	Washer, Thrust
	SWCJ1001483	CJ1001483 or 49865322	Spindle, 1/4" Male
	SW10074789	10074789	O-Ring, 1/8" x 1/4" x 1/16"
	SWCJ301483	CJ301483 or 49865314	Swivel Body, 1/4"
	SWCJ401483	49865280	Adaptor, Swivel, 1/4" x 90°
	SWBJ601483	BJ601483	Retaining Nut Assembly, 1/4"

Swivel Assembly, 1/4" – 90 Degree F/F

	WSI No. Replaces	KMT No.	Product Description
	SW05082656	05082656	Swivel Assembly, 1/4" x 90°, Female x Female
	SW05116009	05116009	Rebuild Kit, Swivel Assembly, 1/4" x 90°, Female x Female
	SWBJ201388	91959650 or BJ201388	Seal Assembly
	SWNTA613	91960005 or 10084713	Bearing, Thrust
	SWTRC613	91959684 or 10094647	Washer, Thrust, HS
	SWCJ318088	91959668 or CJ318088 or 91960021 or 80126	Spindle, 1/4" Female
	SW00080125	80125 or 00080125	Cap Assembly, 1/4"
	SW10154680	10154680	Clamp, Spindle Collar
	SWCJ401288	91959627 or CJ401288	Bushing, Swivel, 1/4"



Swivels

Swivel Assembly, 1/4" – 90 Degree F/F cont'd



WSI No.	Replaces	KMT No.	Product Description
SWDJ301288		91959635 or DJ301288	Body, Swivel Joint, 1/4"



CY1095K41		95335311 or 1095K41	Grease Fitting
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SW10103505		10103505	Set Screw, Swivel Cap
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Swivel Joint Assembly, 1/4" Straight, M/F



WSI No.	Replaces	KMT No.	Product Description
SWCJ211388		CJ211388 or 80130	Swivel Joint Assembly, 1/4" Straight, F/F



SWNTA613		91960005 or 10084713	Bearing, Thrust
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SWTRC613		91959684 or 10094647	Washer, Thrust, HS
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SW10103505		10103505	Set Screw, Swivel Cap
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SWCJ311388		CJ311388	Swivel Body, Straight, 9/16"
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SWCJ401288		91959627 or CJ401288	Bushing, Swivel, 1/4"
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SWCJ501288		CJ501288 or 91959668	Spindle, 1/4" Male
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SWBJ701288		BJ701288 or 91959643	Cap Assembly, 1/4"
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SWBJ201388		91959650 or BJ201388	Seal Assembly
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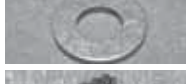
Swivel Joint Assembly, 1/4" Straight, F/F



WSI No.	Replaces	KMT No.	Product Description
SWCJ218088		CJ218088 or 91959122	Swivel Joint Assembly, 1/4" Straight, Female x Female



SWNTA613		91960005 or 10084713	Bearing, Thrust
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SWTRC613		91959684 or 10094647	Washer, Thrust, HS
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SW10103505		10103505	Set Screw, Swivel Cap
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Swivels

Swivel Joint Assembly, 1/4" Straight, F/F cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SW10154680		10154680	Clamp, Spindle Collar
	SWCJ318088		91959668 or CJ318088 or 91960021 or 80126	Spindle, 1/4" Female
	SWCJ418088		CJ418088	Cap, 1/4"
	SWCJ311388		CJ311388	Swivel Body, Straight, 9/16"
	SWCJ401288		91959627 or CJ401288	Bushing, Swivel, 1/4"
	SWBJ201388		91959650 or BJ201388	Seal Assembly

Swivel Joint Assembly, 3/8" Straight, M/F

	WSI No.	Replaces	KMT No.	Product Description
	SW10134708		10134708	Swivel Joint Assembly, 3/8"
	SWNTA613		91960005 or 10084713	Bearing, Thrust
	SWTRC613		91959684 or 10094647	Washer, Thrust, HS
	SW10103505		10103505	Set Screw, Swivel Cap
	SW10134716		10134716	Body, Swivel, Straight, 3/8"
	SWCJ401288		91959627 or CJ401288	Bushing, Swivel, 1/4"
	SW49899602		49899602	Spindle, 3/8" Male
	SWBJ701288		BJ701288 or 91959643	Cap Assembly, 1/4"
	SWBJ201388		91959650 or BJ201388	Seal Assembly
	FTAGL60		49864564	Gland Nut, 3/8"
	FTACL60		49864622	Collar, 3/8"



Swivels

Swivel Joint Assembly, 1/4" – 90 Degree, F/F

	WSI No.	Replaces	KMT No.	Product Description
	SWCJ218188		CJ218188	Swivel Joint Assembly, 1/4" x 90°, F/F
	SWNTA613		91960005 or 10084713	Bearing, Thrust
	SWTRC613		91959684 or 10094647	Washer, Thrust – HS
	SW10103505		10103505	Set Screw, Swivel Cap
	SW10154680		10154680	Clamp, Spindle Collar
	SWCJ318088		91959668 or CJ318088 or 91960021 or 80126	Spindle, 1/4" Female
	SWCJ418088		CJ418088	Cap, 1/4"
	SWDJ301288		91959635 or DJ301288	Body, Swivel Joint, 1/4"
	SWCJ401288		91959627 or CJ401288	Bushing, Swivel, 1/4"
	SWBJ201388		91959650 or BJ201388	Seal Assembly

Swivel Joint Assembly, 1/4" – 90 Degree, M/F

	WSI No.	Replaces	KMT No.	Product Description
	SWCJ201288		CJ201288	Swivel Joint Assembly, 1/4" x 90°, M/F
	SWNTA613		91960005 or 10084713	Bearing, Thrust
	SWTRC613		91959684 or 10094647	Washer, Thrust – HS
	SW10103505		10103505	Set Screw, Swivel Cap

Swivels

Swivel Joint Assembly, 1/4" – 90 Degree, M/F cont'd

	SWDJ301288	91959635 or DJ301288	Body, Swivel Joint, 1/4"
	SWCJ401288	91959627 or CJ401288	Bushing, Swivel, 1/4"
	SWCJ501288	CJ501288 or 91959668	Spindle, 1/4" Male
	SWBJ701288	BJ701288 or 91959643	Cap Assembly, 1/4"
	SWBJ201388	91959650 or BJ201388	Seal Assembly

Swivel Joint Assembly, 3/8" – 90 Degree, M/F

	WSI No.	Replaces	KMT No.	Product Description
	SW10134682		10134682	Swivel Joint Assembly, 3/8" - 90 Degree, M/F
	SWNTA613		91960005 or 10084713	Bearing, Thrust
	SWTRC613		91959684 or 10094647	Washer, Thrust – HS
	SW10103505		10103505	Set Screw, Swivel Cap
	SW10134690		10134690	Swivel Body, 90°, 3/4"
	SWCJ401288		91959627 or CJ401288	Bushing, Swivel, 1/4"
	SW49899602		49899602	Spindle, 3/8" Male
	SWBJ701288		BJ701288 or 91959643	Cap Assembly, 1/4"
	SWBJ201388		91959650 or BJ201388	Seal Assembly
	SW10078913		10078913	HP Gland, Anti-Vibration, 3/8"
	FTACL60		10078715	HP Collar, 0.38



SL-I & SL-II Waterjet Pumps

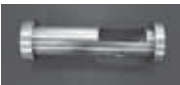
Cylinder Assembly (IOC – New Style)

	WSI No. Replaces	KMT No.	Product Description
	CY10098366	10098366	Cylinder Assembly (IOC – New Style)
	CY05115993	05115993	Complete Cylinder Rebuild Kit
	CY10144590	10144590 or A2688	Seal Assembly, Dynamic
	CY10178614	10119915 or 10178614	Seal Assembly, Outlet End
	CYA3069	49894041 or A3069	Cylinder Spacer
	CY10097822	10097822	Cylinder Body
	CY10119907	10119907	Back-Up Ring, Outlet End
	CYAP1412671	AP1412671 or 49894058	Packing Follower
	CY10097871	10097871	Sealing Head, Port
	CY10074367	10074367	O-Ring, Plunger Retaining Flange, 7/8" x 1-1/8" x 1/8"
	CY5000162	5000162	Snap Ring
	CY10097863	10097863	Plunger Retaining Flange
	CY10097855	10097855	Outlet Retaining Flange
	CYBP1211969	BP1211969 or 49894033	Plunger, Carbide
	CYAP1000263	AP1000263 or 49894066	Plunger Retainer
	CY10070076	10070076 or 05035258	Jam Nut, 7/8-14



SL-I & SL-II Waterjet Pumps

Cylinder Assembly (IOC – New Style) cont'd

	WSI No.	Replaces	KMT No.	Product Description
	CY10097897		10097897	Gland Nut
	CY10099752		10099752	SHCS, 3/4-16 x 1-3/4", Grade 8
	CYCP703680		CP703680	Cylinder Housing

Cylinder Assembly (CP3 – Old Style)

	WSI No.	Replaces	KMT No.	Product Description
	CYCP104880		CP104880	Cylinder Assembly (CP3 – Old Style)
	CY10144590		10144590 or A2688	Seal Assembly, Dynamic
	CYA3069		49894041 or A3069	Cylinder Spacer
	CYCP303778		CP303778	Cylinder Body
	CYBP1211969		BP1211969 or 49894033	Plunger, Carbide
	CYAP1000263		AP1000263 or 49894066	Plunger Retainer
	CY10074367		10074367	O-Ring, Plunger Retaining Flange, 7/8" x 1-1/8" x 1/8"
	CYAP1412671		AP1412671 or 49894058	Packing Follower
	CY10070076		10070076 or 05035258	Jam Nut, 7/8-14
	CYBP1119973		BP1119973	Sealing Head, Port
	CYAP1019973		AP1019973	Seal Ring
	CYAP502978		AP502978	Retaining Nut
	CYB5254		B5254	SHCS, 5/8-18 x 1-1/2"

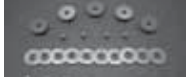


SL-I & SL-II Waterjet Pumps

Cylinder Assembly (CP3 – Old Style) cont'd

	WSI No.	Replaces	KMT No.	Product Description
	CYB3276		B3276	Retaining Flange, Plunger Seal
	CY10074953		10074953	O-Ring, Seal Retaining Flange, 1-1/2" x 1-3/4" x 1/8"
	CY10074516		10074516	O-Ring, Cylinder Body, 3-3/4" x 4" x .130"
	CYBP304880		BP304880	Outlet End Retaining Plate
	CY001		–	SHCS, 5/16"-18 x 1-1/4"
	CYCP703680		CP703680	Cylinder Housing

Sealing Head Assembly

	WSI No.	Replaces	KMT No.	Product Description
	CKBV118874		BV118874 or 49893993	Sealing Head Assembly
	CKB5170		B5170	Repair Kit, Sealing Head
	CK10086288		10086288	Ball, Sealing Head
	CKAV617274		AV617274 or 49894082	Seat, Sealing Head
	CKAV517274		AV517274 or 49894108	Flat Sleeve, Sealing Head
	CKAV701660		AV701660 or 49894165	Coned Sleeve, Sealing Head
	CKAV500260		AV500260 or 49894116	Spring, Sealing Head
	CKAV300260		AV300260 or 49894124	Ball Retainer, Sealing Head
	CKAS6300960		AS6300960 or 49894074	Gasket, Sealing Head
	CKAV317274		AV317274 or 49894090	Intermediate Gland Nut



SL-I & SL-II Waterjet Pumps

Sealing Head Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	CKBV610174		BV610174 or 49894140	Body, Sealing Head
	CKAV417274		AV417274 or 49894157	Exhaust Gland Nut
	CKAV217274		AV217274 or 49894132	Intake Pipe Adaptor, Sealing Head

Hydraulic Drive Assembly, 6.0"

	WSI No.	Replaces	KMT No.	Product Description
	HY08		—	Hydraulic Drive Assembly, 6.0"
	HY10065829		10065829	Seal, Hydraulic Ram
	HYA3876		A3876 or 49893951	Bushing, Ram Piston
	HYC2103-6.0		C2103-6.0	Ram Piston
	HY10081909		10081909	Piston Ring
	HY10075026		10075026	O-Ring, 6" x 6-3/16" x .103
	CY5000162		05000162	Snap Ring
	HYBP611078-6.0		BP611078-6.0	Hydraulic Cylinder
	HY05		—	Heavy Hex Nut, 7/8-9
	HY06		—	Jam Nut, 7/8-9
	HYC1813		C1813	End Closure Block
	HYA2745		A2745	Bottom Stud
	HYA2752		—	Top Stud, Hydraulic Drive Assembly



SL-I & SL-II Waterjet Pumps

Hydraulic Drive Assembly, 5.5" (Europe)

	WSI No.	Replaces	KMT No.	Product Description
	HY12		–	(Items not listed here are interchangeable with the 6.0" drive listed on page 31)
		HYBP611078-5	BP611078-5	Hydraulic Cylinder, 5.5"
		HYC2103-5.5	C2103-5.5	Ram Piston, 5.5"
		HY10081875	10081875	Piston Ring, 5.5"

Hydraulic Components

	WSI No.	Replaces	KMT No.	Product Description
	HY10082725		10082725	Filter Element, Hydraulic Oil
	HY10084317		10084317	Filter Element, Hydraulic Oil
	HYKF32K10F		KF32K10F	Filter Assembly, Hydraulic Oil
	HYLF3160		LF3160	O-Ring, Oil Filter Canister
	HYRDDA/LAN		–	Pressure Relief Valve
	MSA2734		A2734 or 49862386	Ball Reversing Valve
	HYSV80-401261		–	O-Ring, Sound Tuning Adjustment, SV80
	HYSV80		SV80	Hydraulic Pump, SV80, 1500 psi
	HYSS-2-100		–	Hydraulic Strainer
	HYA2748		A2748 or 91954644	Actuator Collar



SL-I & SL-II Waterjet Pumps

Hydraulic Components cont'd



HY15 – 4-Way Valve Assembly, Air Pilot, Rexroth



HY16 – Air Pilot, 4-Way Valve, Rexroth

HY10081198 10081198 Oil Cooler, Large

HY10081313 10081313 Oil Cooler, Case Drain

HY161 – O-Ring

HY10 – 4-Way Valve, w/ Air Pilot

HY13 – Air Pilot, Racine 4-Way Valve

HYSV80-2 SV80-2 Hydraulic Pump, SV80, 2 Comp., 1500 psi, 24VDC

HY10088425 HY10088425 Hose, Hydraulic

Dump Valve Assembly, Normally Open



WSI No.	Replaces	KMT No.	Product Description
VL05069703		05069703	(This assembly and individual parts can be found in the valve section on pages 15-16)

Accumulator Assembly, .50 Liter



WSI No.	Replaces	KMT No.	Product Description
MSCA116075		CA116075	(Additional accumulators and individual parts can be found on pages 72-73)



SL-IV Waterjet Pumps

WSI No.	Replaces	KMT No.	Product Description
SL05035027		05035027	SL-IV – Complete Intensifier Assembly

Cylinder Assembly



WSI No.	Replaces	KMT No.	Product Description
–		–	Cylinder Assembly
	SL05133145	05133145	Seal Kit, Complete, Dynamic & Static
	SL05115977	05115977	Repair Kit, Complete Cylinder
	SL05027172	05027172	Seal Assembly, Dynamic
	SL10110393	10110393	Seal Assembly, Static
	SL05112487	05112487 or 05123385	Seal Assembly, Dynamic, w/ BU Ring
	SL10118073	10118073	Back-Up Ring, Plunger Seal
	SL05121777	05121777	Cylinder Spacer, Stainless Steel
	SL05059712	05059712	Cylinder Body
	SL05039771	05039771	Plunger, Carbide
	SP05119151	05108113 or 05119151	Plunger, Ceramic

Sealing Head Assembly

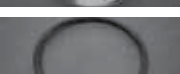


WSI No.	Replaces	KMT No.	Product Description
SL05116769		05116769	Sealing Head Assembly
	SL0511CRKL	–	Repair Kit, Sealing Head Assembly, Outlet/Inlet
	SL05133335	05133335	Repair Kit, Sealing Head Assembly, Outlet



SL-IV Waterjet Pumps

Sealing Head Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SL05022017		05022017	Spring, Outlet Ball Retainer
	SL05116777		05116777 or 10107910	Adaptor, Sealing Head
	SL05116561		05116561 or 05112776	Poppet, Flat Outlet
	SL05116751		05116751	Spring Guide, Flat Outlet Poppet
	SL49894116		49894116	Spring, Flat Outlet Poppet
	SL05112768		05112768 or 10107902	Seat, Flat Outlet Poppet
	SL10107894		10107894	Poppet, Flat Inlet
	SL49884562		49884562	Spring, Inlet Poppet
	SL10106417		10106417	Body, Sealing Head
	SL10110401		10110401	Seal Ring, LP
	SL10074904		10074904	O-Ring, LP Seal Ring
	SL05049853		05049853	O-Ring, Inlet Poppet Retainer
	SL10118552		10118552	Retainer, Inlet Poppet
	SL05059688		05059688	Sealing Head Housing

Hydraulic Drive Assembly

	WSI No.	Replaces	KMT No.	Product Description
	—		—	Hydraulic Drive Assembly
	SP80084759		80084759	Repair Kit, Hydraulic Cartridge



SL-IV Waterjet Pumps

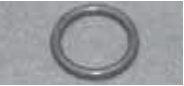
Hydraulic Drive Assembly cont'd

	WSI No. Replaces	KMT No.	Product Description
	SL05009030	05009030 or 05130091	Seal Cartridge Assembly, Hydraulic
	SF20453934	10180081 or 05127584	Proximity Switch Kit
	SP05144183	05065172 or 05144183	Proximity Switch Spacer
	SL05081872	05081872	Gasket, Mounting Stem
	SL95383790	95383790	SHCS, Mounting Stem 1/2 - 13 x 1" SS
	SL95413696	95413696	High Collar Lock Washer, 1/2" SS
	SL05007786	05007786	Flange, Hydraulic Seal Cartridge
	SL05007778	05007778	Bushing, Hydraulic Seal Cartridge
	SL05034764	05034764	Cylinder, Hydraulic
	SL05034772	05034772 or 05147913	Cylinder Head, Hydraulic
	SL05034780	05034780	Bolt, SHCS, Cylinder Head
	SL10075000	10075000	O-Ring, Cylinder Head
	SL05034855	05034855	Back-Up Ring, Cylinder Head
	SL05049812	05049812	Mounting Stem
	SL05079652	05079652	Bolt, SHCS, Mounting Stem
	SL05061486	05061486	Lock Washer, High Collar
	SL10074409	10074409	O-Ring, Mounting Stem

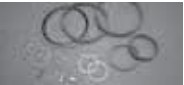


SL-IV Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05034798		05034798	Retaining Ring, Cartridge Flange
	SF05144191		05144191	O-Ring, Proximity Switch Spacer
	SP10183572		10064707 or 10183572	Bolt, SHCS, Proximity Switch Spacer
	SL05045505		05045505	Hydraulic Pump, RR71

Hydraulic Piston Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SP05118716		05033196 or 05118716	Hydraulic Piston Assembly
	SL05115951		05115951	Rebuild Kit, Hydraulic Piston Assembly
	SL05117965		05117965 or 49886302	Seal Assembly, Piston
	SL05117940		05117940 or 49886310	Glide Ring, Piston
	SL05074380		05074380	Retaining Pin, Plunger
	SL05049887		05049887	Large Hex Plug, Piston
	SL10148757		10148757	Check Valve, Piston
	SL05088364		05088364	Retaining Spring, Plunger Pins
	SL05049994		05049994	Back-Up Ring, Plunger Head
	SL05087713		05087713	O-Ring, Plunger Head



SL-IV Waterjet Pumps

Hydraulic Piston Assembly cont'd



WSI No.	Replaces	KMT No.	Product Description
SL10142610		10142610	Check Valve O-Ring, Piston



SL10074094		10074094	Small Hex Plug, Piston
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SP05132261		05117957 or 05132261	Piston, Hydraulic
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Dump Valve Assembly, Normally Open



WSI No.	Replaces	KMT No.	Product Description
VL05069703		05069703	(This assembly and individual parts can be found in the valve section on pages 15-16)

Accumulator Assembly, .96 Liter



WSI No.	Replaces	KMT No.	Product Description
SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification - See pages 72-73 for additional assemblies and individual parts)



SL-IV Plus Waterjet Pumps

WSI No.	Replaces	KMT No.	Product Description
SP05144217		05144217	Complete Intensifier Assembly

Cylinder Assembly



WSI No.	Replaces	KMT No.	Product Description
—		—	Cylinder Assembly



SP05149703		05149703	Seal Assembly, Dynamic (Energized)
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SP20422243		20422243	Seal Assembly, Dynamic, .875, J5/Hyper
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SP05144696		05144696	Spacer Ring, Seal Head
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SP80080021		80080021	Cylinder Spacer, Plastic
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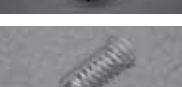


SL-IV Plus Waterjet Pumps

Cylinder Assembly cont'd

	WSI No. Replaces	KMT No.	Product Description
	SP80080021S	—	Cylinder Spacer, Stainless Steel
	SP05119151	05108113 or 05119151	Plunger, Ceramic
	SP05144647	05144647 or 20479503	Cylinder Body

Sealing Head Assembly

	WSI No. Replaces	KMT No.	Product Description
	SP05144688	05144688	Sealing Head Assembly
	SP0514CRKL	—	Repair Kit, Sealing Head Assembly (Operating Range 50 kpsi and below)
	SP0514CRKH	—	Repair Kit, Sealing Head Assembly (Operating Range 50-60 kpsi)
	SL05116777	05116777 or 10107910	Adaptor, Sealing Head
	SL05116751	05116751	Spring Guide, Flat Outlet Poppet
	SL05112768	05112768 or 10107902	Seat, Flat Outlet Poppet
	SL49884562	49884562	Spring, Inlet Poppet
	SP05147863	05147863	Spring, Flat Outlet Poppet
	SP05144662	05144662	Poppet, Inlet Flat
	SP05144670	05144670	Retainer, Inlet Poppet
	SL05116561	05116561 or 05112776	Poppet, Flat Outlet
	SP05144357	05144357	Body, Seal Head

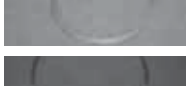
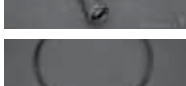


SL-IV Plus Waterjet Pumps

Sealing Head Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05049853		05049853	O-Ring, Inlet Poppet Retainer
	SL10074904		10074904	O-Ring, LP Seal Ring
	SP05144209		05144209	End Flange
	SP05144225		05144225	Flange Ring
	SP05144753		05144753	Pin Bolt Stud, 7/8-9
	SP10069904		10069904	Heavy Hex Nut, 7/8-9

Hydraulic Drive Assembly

	WSI No.	Replaces	KMT No.	Product Description
	—		—	Hydraulic Drive Assembly
	SP80084759		80084759	Repair Kit, Hydraulic Cartridge
	SP05130091		05009030 or 05130091	Seal Cartridge Assembly, Hydraulic
	SL05007786		05007786	Flange, Hydraulic Seal Cartridge
	SL05007778		05007778	Bushing, Hydraulic Seal Cartridge
	SL05034764		05034764	Cylinder, Hydraulic
	SL05034798		05034798	Retaining Ring, Cartridge Flange
	SL05034855		05034855	Back-Up Ring, Cylinder Head
	SL05034780		05034780	Bolt, SHCS, Cylinder Head
	SL10075000		10075000	O-Ring, Cylinder Head



SL-IV Plus Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05079652		05079652	Bolt, SHCS, Mounting Stem
	SL05061486		05061486	Lock Washer, High Collar
	SL10074409		10074409	O-Ring, Mounting Stem
	SF20453934		10180081 or 05127584	Proximity Switch Kit
	SP05144183		05065172 or 05144183	Proximity Switch Spacer
	SF05144191		05144191	O-Ring, Proximity Switch Spacer
	SL05034772		05034772 or 05147913	Cylinder Head, Hydraulic
	SP10183572		10064707 or 10183572	Bolt, SHCS, Proximity Switch Spacer
	SL05081872		05081872	Gasket, Mounting Stem
	SL95383790		95383790	SHCS, Mounting Stem 1/2 - 13 x 1" SS
	SL95413696		95413696	High Collar Lock Washer, 1/2 " SS
	SP05141106		05141106	SHCS, Cylinder Head
	SL05049812		05049812	Mounting Stem

Hydraulic Piston Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SP05118716		05033196 or 05118716	Hydraulic Piston Assembly
	SL05115951		05115951	Rebuild Kit, Hydraulic Piston Assembly



SL-IV Plus Waterjet Pumps

Hydraulic Piston Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05117965		05117965 or 49886302	Seal Assembly, Piston
	SL05117940		05117940 or 49886310	Glide Ring, Piston
	SL05074380		05074380	Retaining Pin, Plunger
	SL05049887		05049887	Large Hex Plug, Piston
	SL10148757		10148757	Check Valve, Piston
	SL05088364		05088364	Spring, Retaining, Plunger Pins
	SL05049994		05049994	Back-Up Ring, Plunger Head
	SL05087713		05087713	O-Ring, Plunger Head
	SL10142610		10142610	Check Valve O-Ring, Piston
	SL10074094		10074094	Small Hex Plug, Piston
	SP05132261		05117957 or 05132261	Piston, Hydraulic

Dump Valve Assembly, Normally Open

	WSI No.	Replaces	KMT No.	Product Description
	VL05069703		05069703	(This assembly and individual parts can be found in the valve section on pages 15-16)

Accumulator Assembly, .96 Liter

	WSI No.	Replaces	KMT No.	Product Description
	SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification – See pages 72-73 for additional assemblies and individual parts)



SL-V Plus Waterjet Pumps

WSI No.	Replaces	KMT No.	Product Description
SF80072333		80072333	Complete Intensifier Assembly

Cylinder Assembly



WSI No.	Replaces	KMT No.	Product Description
–		–	Cylinder Assembly



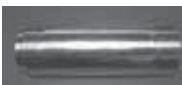
SP05149703		05149703	Seal Assembly, Dynamic (Energized)
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SP20422243		20422243	Seal Assembly, Dynamic, .875, J5/Hyper
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SP05144696		05144696	Spacer Ring, Seal Head
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SP05144647		05144647 or 20479503	Cylinder Body
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SP05119151		05108113 or 05119151	Plunger, Ceramic
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Sealing Head Assembly, Single Inlet



WSI No.	Replaces	KMT No.	Product Description
SF20481005		20481005	Sealing Head Assembly, Single Inlet



SF20489867		20489867	Conversion, Single Inlet (Converts to Single Inlet Sealing Head)
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SF20489495		20489495	Repair Kit, Sealing Head, Single Inlet
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SF20497767		20497767	Cylinder Spacer, HP Cylinder, Plastic
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SF20491603		20491603	Cylinder Spacer, HP Cylinder, Brass
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SF20481574		20481575 or 20481574	Cylinder Spacer, Plastic, Single Inlet
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SF20481574B		–	Cylinder Spacer, Brass, Single Inlet
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SL-V Plus Waterjet Pumps

Sealing Head Assembly, Single Inlet cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SF20453619		20453619	Poppet, Flat Inlet, Single Inlet
	SF20474391		20474391	Guide, Inlet Poppet, Single Inlet
	SF20474395		20474395	Screw, Inlet Poppet Retainer
	SF20481009		20481009	Body, Sealing Head, Single Inlet
	SL05116561		05116561 or 05112776	Poppet, Flat Outlet
	SP05147863		05147863	Spring, Flat Outlet Poppet
	SL05112768		05112768 or 10107902	Seat, Flat Outlet Poppet
	SL05116751		05116751	Spring Guide, Flat Outlet Poppet
	SL05116777		05116777 or 10107910	Adaptor, Sealing Head
	SF80073646		80073646	Nut, High-Pressure Cylinder
	SF80070352		80070352	Bolt, Jack, 7/16-20
	SF10074920		10074920	O-ring, HP Cylinder Nut

Sealing Head Assembly (Original Style)

	WSI No.	Replaces	KMT No.	Product Description
	SF80072349		80072349	Sealing Head Assembly
	SF80074057		80074057	Repair Kit, Sealing Head Assembly (Operating Range 50-60 kpsi)

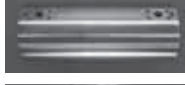


SL-V Plus Waterjet Pumps

Sealing Head Assembly (original style) cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SF8007CRKL	–		Repair Kit, Sealing Head Assembly (Operating Range 50 kpsi and below)
	SF20418805		20418805	Cylinder Spacer, Plastic
	SF20418805S	–		Cylinder Spacer, Stainless Steel
	SL49884562		49884562	Spring, Inlet Poppet
	SL05049853		05049853	O-Ring, Inlet Poppet Retainer
	SP05144662		05144662	Poppet, Inlet Flat
	SP05144670		05144670	Retainer, Inlet Poppet
	SF49834039		49834039	Body, Seal Head

Hydraulic Drive Assembly

	WSI No.	Replaces	KMT No.	Product Description
	–		–	Hydraulic Drive Assembly
	SL05007786		05007786	Flange, Hydraulic Seal Cartridge
	SL05009030		05009030 or 05130091	Seal Cartridge Assembly, Hydraulic
	SL05007778		05007778	Bushing, Hydraulic Seal Cartridge
	SL05034764		05034764	Cylinder, Hydraulic
	SL05034772		05034772 or 05147913	Cylinder Head, Hydraulic
	SL05034780		05034780	Bolt, SHCS, Cylinder Head
	SL10075000		10075000	O-Ring, Cylinder Head



SL-V Plus Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05034855		05034855	Back-Up Ring, Cylinder Head
	SL05049812		05049812	Mounting Stem
	SL05079652		05079652	Bolt, SHCS, Mounting Stem
	SL05061486		05061486	Lock Washer, High Collar
	SL10074409		10074409	O-Ring, Mounting Stem
	SL05034798		05034798	Retaining Ring, Cartridge Flange
	SF20453934		10180081 or 05127584	Proximity Switch Kit
	SP05144183		05065172 or 05144183	Proximity Switch Spacer
	SF05144191		05144191	O-Ring, Proximity Switch Spacer
	SP10183572		10064707 or 10183572	Bolt, SHCS, Proximity Switch Spacer
	SL05081872		05081872	Gasket, Mounting Stem

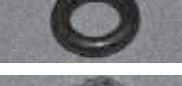
Hydraulic Piston Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SP05118716		05033196 or 05118716	Hydraulic Piston Assembly
	SL05115951		05115951	Rebuild Kit, Hydraulic Piston Assembly
	SP05132261		05117957 or 05132261	Piston, Hydraulic



SL-V Plus Waterjet Pumps

Hydraulic Piston Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05074380		05074380	Retaining Pin, Plunger
	SL05049887		05049887	Large Hex Plug, Piston
	SL10148757		10148757	Check Valve, Piston
	SL05088364		05088364	Spring, Retaining, Plunger Pins
	SL05049994		05049994	Back-Up Ring, Plunger Head
	SL05087713		05087713	O-Ring, Plunger Head
	SL05117965		05117965 or 49886302	Seal Assembly, Piston
	SL05117940		05117940 or 49886310	Glide Ring, Piston
	SL10142610		10142610	Check Valve O-Ring, Piston
	SL10074094		10074094	Small Hex Plug, Piston

Dump Valve Assembly, Normally Open



WSI No.	Replaces	KMT No.	Product Description
VL05069703		05069703	(This assembly and individual parts can be found in the valve section on pages 15-16)

Accumulator Assembly, .96 Liter



WSI No.	Replaces	KMT No.	Product Description
SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification – See pages 72-73 for additional assemblies and individual parts)



SL-V 75S, 100S, & 200S Waterjet Pumps

WSI No.	Replaces	KMT No.	Product Description
SF80075658		80075658	SL-V 75S

Cylinder Assembly



WSI No.	Replaces	KMT No.	Product Description
—		—	Cylinder Assembly



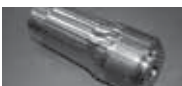
SF05149711		05149711	Seal Assembly, Dynamic
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SF20467135		20467135	Seal Assembly, Hybrid
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SF0144597		05144597	Spacer, Seal Head
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SF20473479		20473479 or 80076797 or 20431076 or 72119536	Cylinder Body
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SF05144506		05144506	Plunger, Ceramic
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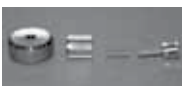
Sealing Head Assembly, Single Inlet



WSI No.	Replaces	KMT No.	Product Description
SF72110979		72110979	Sealing Head Assembly, Single Inlet



SF72125203		72125203	Repair Kit, Inlet and Discharge
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SF80084403		80084403	Repair Kit, Outlet Only
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SF72110961		72110961	Body, Sealing Head
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SF72112002		72112002	Poppet, Inlet
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SF72106104		72106104	Screw, Inlet Poppet Retainer
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SF72110953		72110953	Retainer, Inlet Poppet
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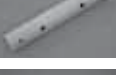
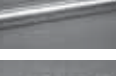
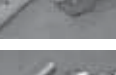
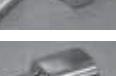


SF05116579		05116579	Outlet Seat, Sealing Head
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SL-V 75S, 100S, & 200S Waterjet Pumps

Sealing Head Assembly, Single Inlet cont'd

	WSI No. Replaces	KMT No.	Product Description
	SF05116603	05116603	Poppet, Outlet
	SP05147863	05147863	Spring, Compression, Outlet Poppet
	SF05119839	05119839	Spring Guide, Flat Outlet Poppet
	SF72110945	72110945	Liner, High-Pressure Cylinder, Plastic
	SF72125236	72125236	Liner, High-Pressure Cylinder, Brass
	SF72125046	72125046	Conversion Kit, Sealing Head, Plastic Liner
	SF72125244	72125244	Conversion Kit, Sealing Head, Brass Liner
	SF05116595	05116595	Gland Nut, Sealing Head
	SF80070352	80070352	Bolt, Jack, 7/16-20
	SF49838220	49838220	Nut, High-Pressure Cylinder
	SF10074920	10074920	O-Ring, HP Cylinder Nut

Sealing Head Assembly (Original Style)

	WSI No. Replaces	KMT No.	Product Description
	SF80072341	80072341	Sealing Head Assembly
	SF80084403	80084403	Repair Kit, Sealing Head Assembly
	SF05119680	05119680	Poppet, Flat Inlet
	SF05119698	05119698	Retainer, Inlet Poppet



SL-V 75S, 100S, & 200S Waterjet Pumps

Sealing Head Assembly (Original Style) cont'd



WSI No.	Replaces	KMT No.	Product Description
SF80071293		80071293	Body, Sealing Head



SF05144555		05144555	Liner, High-Pressure Cylinder
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SF20499147		20499147	Liner, High-Pressure Cylinder, Brass
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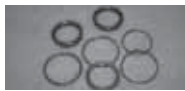
Hydraulic Drive Assembly



WSI No.	Replaces	KMT No.	Product Description
—		—	Hydraulic Drive Assembly



SF05146584		05146584	Seal Cartridge Assembly, Hydraulic
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SF80085061		80085061	Repair Kit, Hydraulic Cartridge
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SF05041058		05041058	SHCS, 3/8-16 x 2 1/2"
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SF10074771		10074771	O-Ring, Hydraulic Cylinder Head
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SF10118206		10118206	O-Ring, Mounting Stem
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SF05120092		05120092	Back-Up Ring, Hydraulic Cylinder Head
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SF05130216		05130216	Spring, Retaining, Plunger Pins
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SF05146592		05146592	Gasket, Mounting Stem
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SF20453925		20453925	Proximity Switch Kit
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SF05144183		05144183	Spacer, Proximity Switch
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SF05144191		05144191	O-Ring, Proximity Switch Spacer
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SL-V 75S, 100S, & 200S Waterjet Pumps

Hydraulic Drive Assembly cont'd



WSI No.	Replaces	KMT No.	Product Description
SF05144597		05144597	Spacer, Seal Head



SF20413955		20413955	SHCS, 3/4-16 x 3 1/2"
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SF05145099		05145099	Flange, Hydraulic Seal Cartridge
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SF05144522		05144522	Mounting Stem
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Hydraulic Piston Assembly



WSI No.	Replaces	KMT No.	Product Description
SF05146576		05146576	Piston Assembly, Hydraulic



SF05120100		05120100	Glide Ring, Hydraulic Piston
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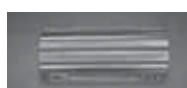
SF05120118		05120118	Seal Assembly, Hydraulic Piston
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SF05146568		05146568	Back-Up Ring, Hydraulic Piston Assembly
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SF10074821		10074821	O-Ring, Hydraulic Piston Assembly
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SF05144514		05144514	Hydraulic Cylinder
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SF20416445		20416445	Hydraulic Cylinder Head
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Dump Valve Assembly, Normally Open



WSI No.	Replaces	KMT No.	Product Description
VL05069703		05069703	(This assembly and individual parts can be found in the valve section on pages 15-16)

Accumulator Assembly, .96 Liter



WSI No.	Replaces	KMT No.	Product Description
SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification – See pages 72-73 for additional assemblies and individual parts)



SL-V Classic Waterjet Pumps

WSI No.	Replaces	KMT No.	Product Description
SF80086572		80086572	Complete Intensifier Assembly

Cylinder Assembly



WSI No.	Replaces	KMT No.	Product Description
—		—	Cylinder Assembly



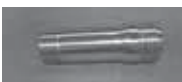
SP05149703		05149703	Seal Assembly, Dynamic (Energized)
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SP05144696		05144696	Spacer Ring, Seal Head
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SP80080021		80080021	Cylinder Spacer, Plastic
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SF20414862		20414862 or 72120023	Cylinder Body
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CYBP1211969		BP1211969 or 49894033	Plunger, Carbide
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Sealing Head Assembly



WSI No.	Replaces	KMT No.	Product Description
SF80086564		80086564	Sealing Head Assembly



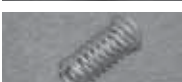
SL05116751		05116751	Spring Guide, Flat Outlet Poppet
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SL05112768		05112768 or 10107902	Seat, Flat Outlet Poppet
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SL49884562		49884562	Spring, Inlet Poppet
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SP05147863		05147863	Spring, Flat Outlet Poppet
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SP05144662		05144662	Poppet, Inlet Flat
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SP05144670		05144670	Retainer, Inlet Poppet
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SL05116561		05116561 or 05112776	Poppet, Flat Outlet
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SF80086598		80086598	Body, Sealing Head
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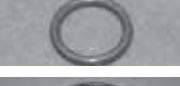


SL-V Classic Waterjet Pumps

Sealing Head Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05116777		05116777 or 10107910	Adaptor, Sealing Head
	SF10074920		10074920	O-Ring, HP Cylinder Nut
	SF80070352		80070352	Bolt, Jack, 7/16-20
	SF80086606		80086606	Ring, Sealing Head Body
	SF80086655		80086655	Nut, Cylinder

Hydraulic Drive Assembly

	WSI No.	Replaces	KMT No.	Product Description
	—		—	Hydraulic Drive Assembly
	SF80086622		80086622	Seal Cartridge Assembly, Hydraulic
	SL05034855		05034855	Back-Up Ring, Cylinder Head
	SL05034798		05034798	Retaining Ring, Cartridge Flange
	SF20453934		10180081 or 05127584	Proximity Switch Kit
	SP05144183		05065172 or 05144183	Proximity Switch Spacer
	SF05144191		05144191	O-Ring, Proximity Switch Spacer
	SF10074920		10074920	O-Ring, HP Cylinder Nut
	SL05081872		05081872	Gasket, Mounting Stem
	SF80070352		80070352	Bolt, Jack, 7/16-20
	SP10183572		10064707 or 10183572	Bolt, SHCS, Proximity Switch Spacer



SL-V Classic Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL10074409		10074409	O-Ring, Mounting Stem
	SL10075000		10075000	O-Ring, Cylinder Head
	SL05007786		05007786	Flange, Hydraulic Seal Cartridge
	SF20414880		20414880	Cylinder Head, Hydraulic
	SL05034764		05034764	Cylinder, Hydraulic
	SL05061486		05061486	Lock Washer, High Collar
	SL05079652		05079652	Bolt, SHCS, Mounting Stem
	SL05049812		05049812	Mounting Stem

Hydraulic Piston Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SP05118716		05033196 or 05118716 or 80086614	Hydraulic Piston Assembly
	SL05115951		05115951	Rebuild Kit, Hydraulic Piston Assembly
	SP05132261		05117957 or 05132261	Piston, Hydraulic
	SL05074380		05074380	Retaining Pin, Plunger
	SL05049887		05049887	Large Hex Plug, Piston
	SL10148757		10148757	Check Valve, Piston
	SL05088364		05088364	Spring, Retaining, Plunger Pins



SL-V Classic Waterjet Pumps

Hydraulic Piston Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05049994		05049994	Back-Up Ring, Plunger Head
		SL05087713	05087713	O-Ring, Plunger Head
		SL05117965	05117965 or 49886302	Seal Assembly, Piston
		SL05117940	05117940 or 49886310	Glide Ring, Piston
		SL10142610	10142610	Check Valve O-Ring, Piston
	SL10074094		10074094	Small Hex Plug, Piston

Dump Valve Assembly, Normally Open

	WSI No.	Replaces	KMT No.	Product Description
	VL05069703		05069703	(This assembly and individual parts can be found in the valve section on pages 15-16)

Accumulator Assembly, .96 Liter

	WSI No.	Replaces	KMT No.	Product Description
	SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification – See pages 72-73 for additional assemblies and individual parts)



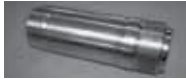
SL-V E30 & E50 Waterjet Pumps

WSI No.	Replaces	KMT No.	Product Description
SF20434793		20434793	SL-V E30V2 / E50V2 Intensifier Assembly

Cylinder Assembly



WSI No.	Replaces	KMT No.	Product Description
–		–	Cylinder Assembly
SP20422243		20422243	Seal Assembly, Dynamic, .875, J5/Hyper
SP05144696		05144696	Spacer Ring, Seal Head
SF20418805		20418805	Cylinder Spacer, HP Cylinder, Plastic
SF20418805S			Cylinder Spacer, HP Cylinder, Stainless Steel
SF72119529		72119529 or 20434777	Cylinder Body
SL05039771		05039771	Carbide Plunger



Sealing Head Assembly



WSI No.	Replaces	KMT No.	Product Description
SF20417833		20417833	Sealing Head Assembly
SL05116751		05116751	Spring Guide, Flat Outlet Poppet
SL05112768		05112768 or 10107902	Seat, Flat Outlet Poppet
SL49884562		49884562	Spring, Inlet Poppet
SP05144670		05144670	Retainer, Inlet Poppet
SL05116561		05116561 or 05112776	Poppet, Flat Outlet
SL10107894		10107894	Poppet, Flat Inlet





SL-V E30 & E50 Waterjet Pumps

Sealing Head Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SP05147863		05147863	Spring, Flat Outlet Poppet
	SL05116777		05116777 or 10107910	Adaptor, Sealing Head
	SF49834039		49834039	Body, Sealing Head
	SF10074920		10074920	O-Ring, HP Cylinder Nut
	SF80070352		80070352	Bolt, Jack, 7/16-20

Hydraulic Drive Assembly

	WSI No.	Replaces	KMT No.	Product Description
	—		—	Hydraulic Drive Assembly
	SF80086622		80086622	Seal Cartridge Assembly, Hydraulic
	SF20453934		10180081 or 05127584	Proximity Switch Kit
	SP05144183		05065172 or 05144183	Proximity Switch Spacer
	SF05144191		05144191	O-Ring, Proximity Switch Spacer
	SL05007786		05007786	Flange, Hydraulic Seal Cartridge
	SL05034798		05034798	Retaining Ring, Cartridge Flange
	SF20414880		20414880	Cylinder Head, Hydraulic
	SL05034764		05034764	Cylinder, Hydraulic
	SL10075000		10075000	O-Ring, Cylinder Head



SL-V E30 & E50 Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05034855		05034855	Back-Up Ring, Cylinder Head
	SP05141106		05141106	SHCS, Cylinder Head
	SP10183572		10064707 or 10183572	Bolt, SHCS, Proximity Switch Spacer
	SL05061486		05061486	Lock Washer, High Collar
	SL10074409		10074409	O-Ring, Mounting Stem
	SL05081872		05081872	Gasket, Mounting Stem

Hydraulic Piston Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SP05118716		05033196 or 05118716 or 05132253	Hydraulic Piston Assembly
	SL05115951		05115951	Rebuild Kit, Hydraulic Piston Assembly
	SP05132261		05117957 or 05132261	Piston, Hydraulic
	SL05074380		05074380	Retaining Pin, Plunger
	SL05049887		05049887	Large Hex Plug, Piston
	SL10148757		10148757	Check Valve, Piston



SL-V E30 & E50 Waterjet Pumps

Hydraulic Piston Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05088364		05088364	Spring, Retaining, Plunger Pins
		SL05049994	05049994	Back-Up Ring, Plunger Head
		SL05087713	05087713	O-Ring, Plunger Head
		SL05117965	05117965 or 49886302	Seal Assembly, Piston
		SL05117940	05117940 or 49886310	Glide Ring, Piston
		SL10142610	10142610	Check Valve O-Ring, Piston
	SL10074094		10074094	Small Hex Plug, Piston

Normally Open, Dump Valve Assembly, 3 Port, Round

	WSI No.	Replaces	KMT No.	Product Description
	VL20427739		20427739	(This assembly and individual parts can be found in the valve section on pages 16-17)

Accumulator Assembly, .96 Liter

	WSI No.	Replaces	KMT No.	Product Description
	SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification – See pages 72-73 for additional assemblies and individual parts)



SLV S-30, S-50 & S-60 Waterjet Pumps

WSI No.	Replaces	KMT No.	Product Description
SF80072333		80072333	SLV S-30, S-50 & S-60 - SF80072333

Cylinder Assembly



WSI No.	Replaces	KMT No.	Product Description
—		—	Cylinder Assembly



SP05149703		05149703	Seal Assembly, Dynamic (Energized)
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SP20422243		20422243	Seal Assembly, Dynamic, .875, J5/Hyper
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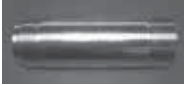
SF20418805		20418805	Cylinder Spacer, Plastic
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SF20418805S		—	Cylinder Spacer, Stainless Steel
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SP05144696		05144696	Spacer Ring, Seal Head
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SP05144647		05144647 or 20479503 or 72119544	Cylinder Body
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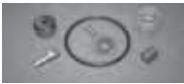


SL05108113		05108113 or 05119151	Plunger, Ceramic
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Sealing Head Assembly



WSI No.	Replaces	KMT No.	Product Description
SF80072349		80072349	Sealing Head Assembly



SF80074057		80074057	Repair Kit, Sealing Head Assembly (Operating Range 50-60 kpsi)
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SF8007CRKL		—	Repair Kit, Sealing Head Assembly (Operating Range 50 kpsi and below)
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SL05116751		05116751	Spring Guide, Flat Outlet Poppet
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SL05112768		05112768 or 10107902	Seat, Flat Outlet Poppet
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SP05147863		05147863	Spring, Flat Outlet Poppet
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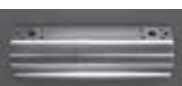


SLV S-30, S-50 & S-60 Waterjet Pumps

Sealing Head Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SP05144662		05144662	Poppet, Inlet Flat
	SL49884562		49884562	Spring, Inlet Poppet
	SL05116561		05116561 or 05112776	Poppet, Flat Outlet
	SF49834039		49834039	Body, Seal Head
	SL05116777		05116777 or 10107910	Adaptor, Sealing Head
	SL05049853		05049853	O-Ring, Inlet Poppet Retainer
	SP05144670		05144670	Retainer, Inlet Poppet
	SF10074920		10074920	O-Ring, HP Cylinder Nut
	SF80073646		80073646	Nut, High-Pressure Cylinder
	SF80070352		80070352	Bolt, Jack, 7/16-20

Hydraulic Drive Assembly

	WSI No.	Replaces	KMT No.	Product Description
	—		—	Hydraulic Drive Assembly
	SL05009030		05009030 or 05130091	Seal Cartridge Assembly, Hydraulic
	SL05007786		05007786	Flange, Hydraulic Seal Cartridge
	SL05007778		05007778	Bushing, Hydraulic Seal Cartridge
	SL05034855		05034855	Back-Up Ring, Cylinder Head
	SL05034764		05034764	Cylinder, Hydraulic



SLV S-30, S-50 & S-60 Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL10075000		10075000	O-Ring, Cylinder Head
	SL05034772		05034772 or 05147913	Cylinder Head, Hydraulic
	SL05034798		05034798	Retaining Ring, Cartridge Flange
	SF20453934		10180081 or 05127584	Proximity Switch Kit
	SP05144183		05065172 or 05144183	Proximity Switch Spacer
	SF05144191		05144191	O-Ring, Proximity Switch Spacer
	SP10183572		10064707 or 10183572	Bolt, SHCS, Proximity Switch Spacer
	SL05034780		05034780	Bolt, SHCS, Cylinder Head
	SL05049812		05049812	Mounting Stem
	SL05079652		05079652	Bolt, SHCS, Mounting Stem
	SL05061486		05061486	Lock Washer, High Collar
	SL10074409		10074409	O-Ring, Mounting Stem
	SL05081872		05081872	Gasket, Mounting Stem

Hydraulic Piston Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SP05118716		05033196 or 05118716	Hydraulic Piston Assembly
	SL05115951		05115951	Rebuild Kit, Hydraulic Piston Assembly



SLV S-30, S-50 & S-60 Waterjet Pumps

Hydraulic Piston Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05117965		05117965 or 49886302	Seal Assembly, Piston
	SL05117940		05117940 or 49886310	Glide Ring, Piston
	SL05074380		05074380	Retaining Pin, Plunger
	SL05088364		05088364	Spring, Retaining, Plunger Pins
	SL05049994		05049994	Back-Up Ring, Plunger Head
	SL05087713		05087713	O-Ring, Plunger Head
	SP05132261		05117957 or 05132261	Piston, Hydraulic
	SL05049887		05049887	Large Hex Plug, Piston
	SL10148757		10148757	Check Valve, Piston
	SL10142610		10142610	Check Valve O-Ring, Piston
	SL10074094		10074094	Small Hex Plug, Piston

Normally Open, Dump Valve Assembly, 3 Port, Round

	WSI No.	Replaces	KMT No.	Product Description
	VL20427739		20427739	(This assembly and individual parts can be found in the valve section on pages 16-17)

Accumulator Assembly, .96 Liter

	WSI No.	Replaces	KMT No.	Product Description
	SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification – See pages 72-73 for additional assemblies and individual parts)



NEOLine 40i Waterjet Pumps

WSI No.	Replaces	KMT No.	Product Description
SF72109524		72109524	Complete Intensifier Assembly

Cylinder Assembly



WSI No.	Replaces	KMT No.	Product Description
–		–	Cylinder Assembly



SP20422243		20422243	Seal Assembly, Dynamic, .875, J5/Hyper
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SL05059712		05059712	Cylinder Body
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SL05039771		05039771	Plunger, Carbide
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SP05119151		05108113 or 05119151	Plunger, Ceramic
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SL10110393		10110393	Seal Assembly, Static
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SF20481574		20481575 or 20481574 or 20497767	Cylinder Spacer, Plastic, Single Inlet
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SF20481574B		–	Cylinder Spacer, Brass, Single Inlet
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Sealing Head Assembly



WSI No.	Replaces	KMT No.	Product Description
SF20417081		20417081	Do not have this complete item



SF20417000		20417000	Sealing Head Body
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SL10107894		10107894	Poppet, Flat Inlet
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SL05112768		05112768 or 10107902	Seat, Flat Outlet Poppet
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SL05116561		05116561 or 05112776	Poppet, Flat Outlet
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SL10118552		10118552	Retainer, Inlet Poppet
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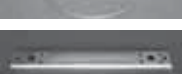
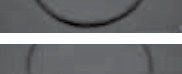


NEOLine 40i Waterjet Pumps

Sealing Head Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SP05147863		05147863	Spring, Flat Outlet Poppet
	SL49884562		49884562	Spring, Inlet Poppet
	SL05116751		05116751	Spring Guide, Flat Outlet Poppet
	SL05116777		05116777 or 10107910	Adaptor, Sealing Head
	SF10074920		10074920	O-Ring, HP Cylinder Nut
	SF80070352		80070352	Bolt, Jack, 7/16-20
	SF20417138		20417138	HP Cylinder Nut

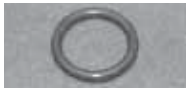
Hydraulic Drive Assembly

	WSI No.	Replaces	KMT No.	Product Description
	—		—	Hydraulic Drive Assembly
	SF80086622		80086622	Seal Cartridge Assembly, Hydraulic
	SL05034772		05034772 or 05147913	Cylinder Head, Hydraulic
	SL05007786		05007786	Flange, Hydraulic Seal Cartridge
	SL05034798		05034798	Retaining Ring, Cartridge Flange
	SL05034764		05034764	Cylinder, Hydraulic
	SL10075000		10075000	O-Ring, Cylinder Head
	SL05034855		05034855	Back-Up Ring, Cylinder Head
	SP05141106		05141106	SHCS, Cylinder Head



NEOLine 40i Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SF20453934		10180081 or 05127584	Proximity Switch Kit
	SP10183572		10064707 or 10183572	Bolt, SHCS, Proximity Switch Spacer
	SP05144183		05065172 or 05144183	Proximity Switch Spacer
	SL05061486		05061486	Lock Washer, High Collar
	SL05081872		05081872	Gasket, Mounting Stem
	SL10074409		10074409	O-Ring, Mounting Stem
	SF05144191		05144191	O-Ring, Proximity Switch Spacer

Hydraulic Piston Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SP05118716		05033196 or 05118716 or 72112358	Hydraulic Piston Assembly
	SL05115951		05115951	Rebuild Kit, Hydraulic Piston Assembly
	SL05117965		05117965 or 49886302	Seal Assembly, Piston
	SL05117940		05117940 or 49886310	Glide Ring, Piston
	SL05074380		05074380	Retaining Pin, Plunger
	SL05088364		05088364	Spring, Retaining, Plunger Pins



NEOLine 40i Waterjet Pumps

Hydraulic Piston Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05049994		05049994	Back-Up Ring, Plunger Head
	SL05087713		05087713	O-Ring, Plunger Head
	SP05132261		05117957 or 05132261	Piston, Hydraulic
	SL05049887		05049887	Large Hex Plug, Piston
	SL10148757		10148757	Check Valve, Piston
	SL10142610		10142610	Check Valve O-Ring, Piston
	SL10074094		10074094	Small Hex Plug, Piston

Normally Open, Dump Valve Assembly, 3 Port, Round



WSI No.	Replaces	KMT No.	Product Description
VL20427739		20427739	(This assembly and individual parts can be found in the valve section on pages 16-17)

Accumulator Assembly, .96 Liter



WSI No.	Replaces	KMT No.	Product Description
SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification – See pages 72-73 for additional assemblies and individual parts)



Cylinder Assembly

	WSI No.	Replaces	KMT No.	Product Description
	–	–	–	Cylinder Assembly
	SL05133145		05133145	Seal Kit, Complete, Dynamic & Static
	SL05115977		05115977	Repair Kit, Complete Cylinder
	SL05027172		05027172	Seal Assembly, Dynamic
	SL10110393		10110393	Seal Assembly, Static
	SL05112487		05112487 or 05123385	Seal Assembly, Dynamic, w/ BU Ring
	SL10118073		10118073	Back-Up Ring, Plunger Seal
	SL05121777		05121777	Cylinder Spacer, Stainless Steel
	SL05059712		05059712	Cylinder Body
	SL05039771		05039771	Plunger, Carbide
	SP05119151		05108113 or 05119151	Plunger, Ceramic

	WSI No.	Replaces	KMT No.	Product Description
	SL05116769		05116769	Sealing Head Assembly
	SL0511CRKL	–		Repair Kit, Sealing Head Assembly, Outlet/Inlet
	SL05133335		05133335	Repair Kit, Sealing Head Assembly, Outlet
	SL49894116		49894116	Spring, Flat Outlet Poppet



Jetline JL-1 30 & JL-1 50 Waterjet Pumps

Sealing Head Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL05112768		05112768 or 10107902	Seat, Flat Outlet Poppet
	SL05116561		05116561 or 05112776	Poppet, Flat Outlet
	SL10106417		10106417	Body, Sealing Head
	SL05022017		05022017	Spring, Outlet Ball Retainer
	SL05116777		05116777 or 10107910	Adaptor, Sealing Head
	SL05116751		05116751	Spring Guide, Flat Outlet Poppet
	SL10107894		10107894	Poppet, Flat Inlet
	SL49884562		49884562	Spring, Inlet Poppet
	SL10110401		10110401	Seal Ring, LP
	SL10074904		10074904	O-Ring, LP Seal Ring
	SL05049853		05049853	O-Ring, Inlet Poppet Retainer
	SL10118552		10118552	Retainer, Inlet Poppet
	SL05059688		05059688	Sealing Head Housing

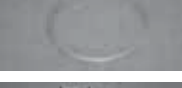
Hydraulic Drive Assembly

	WSI No.	Replaces	KMT No.	Product Description
	—		—	Hydraulic Drive Assembly
	SL05081872		05081872	Gasket, Mounting Stem
	SL95383790		95383790	SHCS, Mounting Stem 1/2 – 13 x 1" SS



Jetline JL-1 30 & JL-1 50 Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SL95413696		95413696	High Collar Lock Washer, 1/2" SS
	SP80084759		80084759	Repair Kit, Hydraulic Cartridge
	SL05007786		05007786	Flange, Hydraulic Seal Cartridge
	SL05009030		05009030 or 05130091	Seal Cartridge Assembly, Hydraulic
	SL05007778		05007778	Bushing, Hydraulic Seal Cartridge
	SL05034764		05034764	Cylinder, Hydraulic
	SL05034772		05034772 or 05147913	Cylinder Head, Hydraulic
	SL05034780		05034780	Bolt, SHCS, Cylinder Head
	SL10075000		10075000	O-Ring, Cylinder Head
	SL05034855		05034855	Back-Up Ring, Cylinder Head
	SL05049812		05049812	Mounting Stem
	SL05079652		05079652	Bolt, SHCS, Mounting Stem
	SL05061486		05061486	Lock Washer, High Collar
	SL10074409		10074409	O-Ring, Mounting Stem
	SL05034798		05034798	Retaining Ring, Cartridge Flange
	SF20453934		10180081 or 05127584	Proximity Switch Kit

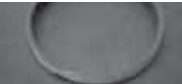


Jetline JL-1 30 & JL-1 50 Waterjet Pumps

Hydraulic Drive Assembly cont'd

	WSI No.	Replaces	KMT No.	Product Description
	SP05144183		05065172 or 05144183	Proximity Switch Spacer
	SF05144191		05144191	O-Ring, Proximity Switch Spacer
	SP10183572		10064707 or 10183572	Bolt, SHCS, Proximity Switch Spacer

Hydraulic Piston Assembly

	WSI No.	Replaces	KMT No.	Product Description
	SP05118716		05033196 or 05118716	Hydraulic Piston Assembly
	SL05115951		05115951	Rebuild Kit, Hydraulic Piston Assembly
	SL05117965		05117965 or 49886302	Seal Assembly, Piston
	SL05117940		05117940 or 49886310	Glide Ring, Piston
	SL05074380		05074380	Retaining Pin, Plunger
	SL05049887		05049887	Large Hex Plug, Piston
	SL10148757		10148757	Check Valve, Piston
	SL05088364		05088364	Spring, Retaining, Plunger Pins
	SL05049994		05049994	Back-Up Ring, Plunger Head
	SL05087713		05087713	O-Ring, Plunger Head
	SL10142610		10142610	Check Valve O-Ring, Piston



Jetline JL-1 30 & JL-1 50 Waterjet Pumps/Acculators (Attenuators)

Hydraulic Piston Assembly cont'd



WSI No.	Replaces	KMT No.	Product Description
SL10074094		10074094	Small Hex Plug, Piston



SP05132261		05117957 or 05132261	Piston, Hydraulic
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Normally Open, Dump Valve Assembly, 3 Port, Round



WSI No.	Replaces	KMT No.	Product Description
VL20427739		20427739	(This assembly and individual parts can be found in the valve section on pages 16-17)

Accumulator (Attenuator) Assembly, .96 Liter



WSI No.	Replaces	KMT No.	Product Description
SL05040738		05040738 or 05040696 or 20498314	(Also available with TUV Certification – See pages 72-73 for additional assemblies and individual parts)

Accumulators (Attenuators)

Accumulator Assembly, .96 Liter



WSI No.	Replaces	KMT No.	Product Description
SL05040738		05040738 or 05040696 or 20498314	Accumulator Assembly, .96 Liter



SL05857740		05857740	Port Seal Head, Accumulator, .96 Liter
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SL05801292		05801292	Retaining Nut, Accumulator, .96 Liter
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SL05035258		05035258	Jam Nut, 7/8-14, GRD 8 Accumulator, .96 Liter
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SL05040738A		–	Seal Ring, Accumulator, .96 Liter
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Accumulators (Attenuators)

Accumulator Assembly, .96 Liter, TUV Certification



WSI No.	Replaces	KMT No.	Product Description
SL05040738TUV		05040696	(Attention: Disassembly of this accumulator voids the TUV Certification)

Accumulator Assembly, .50 Liter



WSI No.	Replaces	KMT No.	Product Description
MSCA116075		CA116075	Accumulator Assembly, .50 Liter



CYB5253		B5253	Heavy Hex Nut, 7/8-14
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MSBA316075		BA316075	Port Seal Head, Small Accum., 9/16"
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MSAA516075		AA516075	Seal Ring, Small Accumulator
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MSAA416075		AA416075	Retaining Nut, Small Accumulator
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Fittings (High-Pressure Water)

Collars



WSI No.	Replaces	KMT No.	Product Description
FTACL40		10078426	Collar, 1/4"
FTACL60		49864622 or 10078715	Collar, 3/8"
FTACL90		10079119 or 10015135 or 10078640 or 10014666	Collar, 9/16"

Gland Nuts



WSI No.	Replaces	KMT No.	Product Description
FTAGL40		10078459	Gland Nut, 1/4"
FTAGL60		49864564 or 10078129	Gland Nut, 3/8"
FTAGL90		49864606 or 10078608	Gland Nut, 9/16"



Fittings (High-Pressure Water)

Elbows



WSI No.	Replaces	KMT No.	Product Description
FTCL4400		10079051 or 10014284	Elbow, 1/4"
FTCL6600		49864473 or 10078780	Elbow, 3/8"
FTCL9900		10078525 or 10014143	Elbow, 9/16"

Tees



WSI No.	Replaces	KMT No.	Product Description
FTCT4440		49864499 or 10079481	Tee, 1/4"
FTCT6660		49864507 or 10078590	Tee, 3/8"
FTCT9990		10079465 or 10013792	Tee, 9/16"

Crosses



WSI No.	Replaces	KMT No.	Product Description
FTCX4444		49864523 or 10097228	Cross, 1/4"
FTCX6666		49864531 or 10078038	Cross, 3/8"
FTCX9999		49864549 or 10079168	Cross, 9/16"

Adaptors



WSI No.	Replaces	KMT No.	Product Description
FT60M46B3		49864262 or 10079473	Adaptor, 1/4" Male x 3/8" Female
FT60M49B3		49864275 or 10079424	Adaptor, 1/4" Male x 9/16" Female
FT60M64B3		49864283 or 10079432	Adaptor, 3/8" Male x 1/4" Female
FT60M69B3		49864291 or 10079655	Adaptor, 3/8" Male x 9/16" Female
FT60M94B3		49864309 or 10079580	Adaptor, 9/16" Male x 1/4" Female
FT60M96B3		49864317 or 10079457 or 10079374 or 10013793	Adaptor, 9/16" Male x 3/8" Female

Adaptor Bushings



WSI No.	Replaces	KMT No.	Product Description
FT10304877		10304877 or 10116333	Adaptor Bushing, 1/4"
FT10306096		10306096 or 10078509 or 10078709	Adaptor Bushing, 3/8"
FT10306097		10306097 or 10079291	Adaptor Bushing, 9/16"

Fittings (High-Pressure Water)

Couplings



WSI No.	Replaces	KMT No.	Product Description
FT60F4433		49864200 or 10014293 or 10079028	Coupling, 1/4"
FT60F4633		49864234 or 10079614	Coupling, 1/4" x 3/8"
FT60F4933		49864242 or 10078145	Coupling, 1/4" x 9/16"
FT60F6633		49864218 or 10078905	Coupling, 3/8"
FT60F6933		49864259 or 10079531	Coupling, 3/8" x 9/16"
FT60F9933		49864226 or 10078640	Coupling, 9/16"

Straight Valves



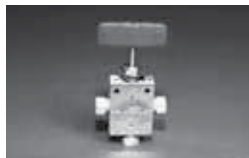
WSI No.	Replaces	KMT No.	Product Description
FT60VM4071		49864374 or 10079259	Valve, 1/4" Straight
FT60VM6071		49864382 or 10078863	Valve, 3/8" Straight
FT60VM9071		10078889	Valve, 9/16" Straight

90 Valves



WSI No.	Replaces	KMT No.	Product Description
FT60VM4072		49864408 or 10079002	Valve, 1/4" x 90°
FT60VM6072		49864440 or 10078749	Valve, 3/8" x 90°
FT60VM9072		49864424 or 10079275	Valve, 9/16" x 90°

3-Way Valves



WSI No.	Replaces	KMT No.	Product Description
FT60VM6074		10097533 or 10097541 or 10014222	Valve, 3/8" 3-Way
FT60VM9074		–	Valve, 9/16" 3-Way (1 Pressure)

Plugs



WSI No.	Replaces	KMT No.	Product Description
FTAP40		49864648 or 10078244	Plug, 1/4"
FTAP60		49864655 or 10079523	Plug, 3/8"
FTAP90		10078772 or 10014681	Plug, 9/16"

Bulkhead Couplings



WSI No.	Replaces	KMT No.	Product Description
FT60BF6633		60BF6633 or 49864333	Bulkhead Coupling, 3/8"
FT60BF9933		60BF9933 or 49864341	Bulkhead Fitting, 9/16"



Fittings (High-Pressure Water)

Safety Heads



WSI No.	Replaces	KMT No.	Product Description
FTCS6600		10078186	Safety Head, 3/8"
FTCS9600		10102812	Safety Head, 9/16"

Miscellaneous Fittings



WSI No.	Replaces	KMT No.	Product Description
FT102A0439		10078632	Hold-Down Ring, Rupture Disk Assembly



FTKCG40		49864556 or 10078699 or 10014684	Gland Nut, 1/4" Anti-Vibration
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FTKCL40		—	Collet, 1/4" Anti-Vibration
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FTP9526		49864358 or 10137497 or 10079358 or 10013655	Rupture Disc, 60K
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FTR60VM7		—	Valve Repair Kit, 1/4" / 3/8" / 9/16"
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FT201B8899		—	Manifold Valve, 60,000 psi, Qty: 4-F-375-C Connections
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FTP0864		—	Seal Kit, Hand Valve, 9/16", 3/8"
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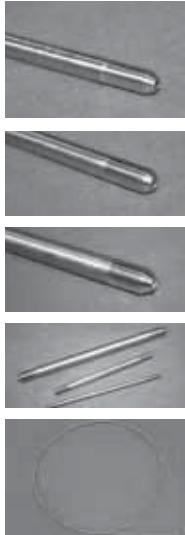
FT10079580		10079580	Adaptor Bushing, 9/16" Male x 1/4" Female
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FT60VM9872-0		—	Valve, 9/16" x 90° (Vee)
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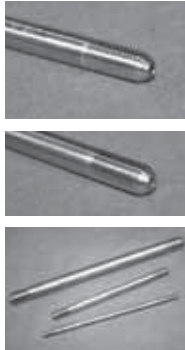
Tubing (High-Pressure Water)

Straight Tubing

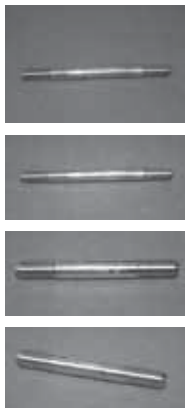
60,000 psi tubing

	WSI No.	Replaces	KMT No.	Product Description
	MSTUBE 1/4		91956078	Tubing, 1/4" HP (Coning and threading is sold separately)
	MSTUBE 3/8		91956094	Tubing, 3/8" HP (Coning and threading is sold separately)
	MSTUBE 9/16		91956102	Tubing, 9/16" HP (Coning and threading is sold separately)
	MSNIPPLES		–	Nipples (Coned and threaded up to 12" (.3 m))
	MSWHIP		10094191	Whip, 20 ft., 1/4" HP Tubing, C&T

100,000 psi tubing

	WSI No.	Replaces	KMT No.	Product Description
	MSTUBE HC 1/4		20455338	Tubing, 1/4" HP/HC (Note: Coning and threading is sold separately)
	MSTUBE HC 3/8		05210265	Tubing, 3/8" HP/HC (Note: Coning and threading is sold separately)
	MSNIPPLESHC		–	Nipples HC (Cone and threaded up to 12" (0.3m))

Miscellaneous Tubing Nipples

	WSI No.	Replaces	KMT No.	Product Description
	FTCN4403		–	Nipple, 1/4" x 3.0", 60K, Coned and Threaded
	FTCN4404		10105880	Nipple, 1/4" x 4.0", 60K, Coned and Threaded
	FTCN6603		10094704	Nipple, 3/8" x 3.0" (76mm), 60K, Coned and Threaded
	FTCN66035		–	Nipple, 3/8" x 3.50", 60K, Coned and Threaded



Tubing (High-Pressure Water)

Miscellaneous Tubing Nipples cont'd

	WSI No.	Replaces	KMT No.	Product Description
	FTCN6604		10105443	Nipple, 3/8" x 4.0", 60K, Coned and Threaded
	FTCN9904		10069326	Nipple, 9/16" x 4.0", 60K, Coned and Threaded
	FTCN9906		10090272	Nipple, 9/16" x 6.0", 60K, Coned and Threaded

Bent and Pre-Sized Tubing

	WSI No.	Replaces	KMT No.	Product Description
	MS05127519		05127519	Bent Nipple, 3/8" x 3.250" x 4.500" x 49.500", Hook
	MS80070311		80070311	Bent Nipple, 3/8" x 3.125" x 6.375" x 3.875", U-Shape
	MS80087745		80087745	Bent Nipple, 3/8" x 3.500" x 4.875" x 3.875", U-Shape
	MS05148846		05148846	Bent Nipple, 3/8" x 4.625" x 5.625", 90-degree Bend
	MS80070303		80070303	Bent Nipple, 3/8" x 3.750" x 6.750" x 50.625", Hook
	MS80087380		80087380	Bent Nipple, 3/8" x 6-7/8", 90-degree Bend
	MS20454297		20454297	Bent Nipple, 1/4" Multibend, Dump Valve
	MS20436396		20436396	Bent Nipple, 3/8" x 3.500" x 7.625", 90-degree Bend
	MS05141882		05141882	Bent Nipple, 3/8" x 7.375" x 25.500", 90-degree Bend

Robotic Coils, High-Pressure

ABB 2400-10

	WSI No.	Replaces	KMT No.	Product Description
	RB10410		80063 or P24602488	1/4" Coil, Axis 4, 5, 6, Down IRB 2400, UP20
	RB10415		–	1/4" Coil Wrist Upper 4,5,6 SK16-6, UP20
	RB10411		80064 or P24602489	1/4" Coil, Axis 4, 5, 6, Upper IRB 2400
	RBP24602490		–	1/4" Coil, Axis 3, M92-2400
	RB301097		301097	1/4" Coil, Axis 3, M98-2400/10
	RB301039		301039	1/4" Coil, Axis 4, 5, 6, Down, M98-2400
	RB303743		303743	1/4" Coil, Axis 1, IRB 2400
	RB303748		303748	1/4" Coil, Axis 3, IRB 2400
	RB303747		303747	1/4" Coil, 1-2 Axis, IRB 2400
	RB301312		301312	1/4" Coil, Axis 2, M98-2400/10
	RB303721		303721	1/4" Coil, Axis 1, IRB 2400
	RB300037		300037	1/4" Nipple, 516mm, IRB 2400

ABB 4400-10

	WSI No.	Replaces	KMT No.	Product Description
	RB302374		302374	1/4" Coil, Axis 3, ABB4400-10
	RB104434		104434	1/4" Coil, Open System, IRB 4400



Robotic Coils, High-Pressure

ABB 4400-10 cont'd

	WSI No.	Replaces	KMT No.	Product Description
	RB302376		302376	1/4" Coil, Axis 6, Open System IRB 4400
	RB301001		301001	1/4" Coil, Axis 2, IRB 4400
	RB302562		302562	1/4" Coil, Open System IRB 4400
	RB302813		302813	1/4" Coil, ABB4400, Root, Long Arm
	RB104362		104362	1/4" Coil, ABB4400, Root, Long Arm
	RB302806		302806	1/4" Coil, Axis 1, Open System, IRB 4400-10

Miscellaneous Robotic Coils

	WSI No.	Replaces	KMT No.	Product Description
	RB103305		—	1/4" Coil, Axis 1, UP20
	RB103306		—	1/4" Coil, Axis 2, UP20
	RB103307		—	1/4" Coil, Axis 3, UP20
	RBZJ022		—	1/4" Coil
	RBZJ024		—	1/4" Coil, Fanuc M20i Axis 1
	RBZJ025		—	1/4" Coil, Fanuc M20i Axis 2
	RBZJ026		—	1/4" Coil, Fanuc M20i Axis 3
	RBZJ029		—	1/4" Coil, Fanuc M20i Axis 4, Piece B
	RBZJ028		—	1/4" Coil, Fanuc M20i Axis 4, Piece A

Robotic Coils, High-Pressure

Miscellaneous Robotic Coils cont'd

	WSI No.	Replaces	KMT No.	Product Description
	RB302144	—		1/4" Coil, Bent Tube
	RBFR441B	—		1/4" Coil, Motoman, Axis B
	RBFR12217	—		1/4" Coil, Motoman, Axis T
	RBFR442R	—		1/4" Coil, Motoman, Axis R
	RBCAR06	—		1/4" Coil, 1201BLEAN6CT
	RBCAR04	—		1/4" Coil, 1201BJ4CT
	RBZJ017	—		1/4" Coil, Fanuc 1
	RBZJ018	—		1/4" Coil, Fanuc 2
	RB301038	—		1/4" Coil, 2400F/10/M98, Axis 4 and 5
	RB300172	—		Washer, Coil Guide, 1/4" High-Pressure Tubing

Coning & Threading Tools

	WSI No.	Replaces	KMT No.	Product Description
	MSKMCTHT		20468798	Complete HP Coning/Threading Tool Kit
	MSMCTH4	—		1/4" Coning Tool, Autoclave
	MSMCTH6	—		3/8" Coning Tool, Autoclave
	MSMCTH9	—		9/16" Coning Tool, Autoclave
	MS101F3939	—		1/4" Blade, Autoclave, 60K Tubing
	MS101F1578	—		3/8" Blade, Autoclave, 60K Tubing
	MS10100883	—		9/16" Blade, Autoclave, 60K Tubing



Coning & Threading Tools



WSI No.	Replaces	KMT No.	Product Description
MS402A	–		1/4" Threading Tool, Autoclave
MS402C	–		3/8" Threading Tool, Autoclave
MS402E	–		9/16" Threading Tool, Autoclave



MSP0214	–		1/4" Die, 1/4-28 LH
MSP0215	–		3/8" Die, 3/8-24 LH
MSP0216	–		9/16" Die, 9/16-18 LH



MS10100343	–		1/4" Die Bushing, Autoclave
MS10100344	–		3/8" Die Bushing, Autoclave
MS10100345	–		9/16" Die Bushing, Autoclave



MS90248	–		1/4" Collet, Autoclave
MS90250	–		3/8" Collet, Autoclave
MS90251	–		9/16" Collet, Autoclave



MSP1995	–		Bolt Kit, SHCS SS 10-24 X 3/8"
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MS-MCTRES	–		Reservoir Assembly, Coning & Threading Tool, Autoclave
MS101F1350	–		Vise Support Arm, Autoclave

Water and Oil Filter Elements and Booster Pumps



WSI No.	Replaces	KMT No.	Product Description
FL10085702		10085702 or 10106722	Filter Element, 10 Micron, LPW



FL10100782		10100782	Filter Element, 40 Micron, LPW
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LP49834716		49834716	Filter Element, 10 Micron, 20" Long
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LP72118339		72118339	Water Filter Housing Assembly, Stainless Steel
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LP19194321		05038690	Water Filter Housing, Blue, 125 PSI, 20" Long Sump
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Water and Oil Filter Elements and Booster Pumps

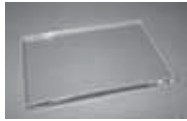
	WSI No.	Replaces	KMT No.	Product Description
	WA6035B		49887094	Booster Pump, Standard 1.6 GPM, Stainless
	SF49836778		49836778	Booster Pump, 75 to 200hp units
	SL05049689		05049689	Element, Hydraulic Oil Filter, 6 Micron, 4" Long, Spin on
	SF05104187		05104187	Element, Hydraulic Oil Filter, 9.4" Long, Spin on

Lubricants and Intensifier Tools

	WSI No.	Replaces	KMT No.	Product Description
	MS100844440		10084440	Pure Goop, Thread Lube, 1 Ounce
	MS-106		05026281	Pure Goop, Thread Lube, 1 Pound
	MS10087385		10087385	FML2
	SL05004924		05004924	Hydraulic Seal Tool
	SL05009048		05009048	Tool, Hydraulic Seal Cartridge Replacement
	SL05066139		05066139	Cylinder Wrench, High Pressure
	SL10148674		10148674	Seal Removal Tool
	WM1113		—	Spanner Wrench, Cylinder Nut



Lubricants & Intensifier Tools



WSI No.	Replaces	KMT No.	Product Description
WM1065		10149052	Plate Glass, Lap



WM1066		10149045	Emery Cloth, 600 grit, 4" x 6"
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