

### KITS

KIT BILL OF MATERIALS CAN BE FOUND LISTED ON THE 'KIT COMPONENTS' PAGES IMMEDIATELY FOLLOWING CORRESPONDING PUMP PAGES.

#### VANE KITS

VANE KITS INCLUDE 1ST & 2ND STAGE VANES ONLY. DESIGNED TO WORK IN EITHER BELT OR DIRECT DRIVE PUMP MODEL.

MODEL(S)	PART NUMBER
D 330 K/DK	330VK
D 650 K/DK	650VK
D 950 K/DK	950VK
VD 301	301VK
VD 401	401VK
VS 1501	1501VK
VS 2401 (VERSIONS 1 & 2)	2401VK

#### LIGHT MAINTENANCE KITS

LIGHT MAINTENANCE KITS INCLUDE SHAFT SEALS, O-RINGS, VALVES, SPRINGS & OTHER COMPONENTS (AS APPLICABLE) FOR GENERAL SERVICE OF THE PUMP MODULE. K/DK PUMP KITS AVAILABLE WITH EITHER BUNA OR VITON SEALS & O-RINGS.

MODEL(S)		PART NUMBER
D 330 K/DK	(BUNA)	330LMKB
D 330 K/DK	(VITON)	330LMKV
D 650 K/DK	(BUNA)	650LMKB
D 650 K/DK	(VITON)	650LMKV
D 950 K/DK	(BUNA)	950LMKB
D 950 K/DK	(VITON)	950LMKV
VD 301	(VITON)	301LMK
VD 401	(VITON)	401LMK
VS 1501		1501LMK
VS 2401 (VER 1)		2401LMKV1
VS 2401 (VER 2)		2401LMKV2

#### MAJOR OVERHAUL KITS w/VANES

MAJOR OVERHAUL KITS INCLUDE THE COMPONENTS OF VANE KITS PLUS SHAFT SEALS, BEARINGS, O-RINGS, VALVES, SPRINGS & OTHER COMPONENTS (AS APPLICABLE) FOR GENERAL SERVICE OF THE PUMP MODULE. K/DK PUMP KITS AVAILABLE WITH EITHER BUNA OR VITON SEALS & O-RINGS.

MODEL(S)		PART NUMBER
D 330 K/DK	(BUNA)	1001802
D 330 K/DK	(VITON)	1011474
D 650 K/DK	(BUNA)	1001804
D 650 K/DK	(VITON)	1028029
D 950 K/DK	(BUNA)	1001803
D 950 K/DK	(VITON)	1005862
VD 301	(VITON)	301MOK
VD 401	(VITON)	401MOK
VS 1501		1501MOK
VS 2401 (VER 1)		2401MOKV1
VS 2401 (VER 2)		2401MOKV2



### FEATURED SPARES

ALL AVAILABLE SPARES FOR THIS SERIES CAN BE FOUND LISTED ON THE 'INDIVIDUAL SPARES' PAGES AT THE END OF THIS SECTION.

#### VANES

MODEL(S)		PART NUMBER
D 330 K/DK	(1ST STAGE/2 REQ.)	1010278
D 330 K/DK	(2ND STAGE/2 REQ.)	1010282
D 650 K/DK	(1ST STAGE/4 REQ.)	1010278
D 650 K/DK	(2ND STAGE/2 REQ.)	1010278
D 950 K/DK	(1ST STAGE/6 REQ.)	1010278
D 950 K/DK	(2ND STAGE/2 REQ.)	1010282
VD 301	(1ST STAGE/2 REQ.)	1027512
VD 301	(2ND STAGE/2 REQ.)	1027513
VD 401	(1ST STAGE/2 REQ.)	1029270
VD 401	(2ND STAGE/2 REQ.)	1027513
VS 1501	(1ST STAGE/2 REQ.)	1030830
VS 2401 (ALL)	(1ST STAGE/2 REQ.)	1030888



#### RECOMMENDED OILS

TYPE	PART NUMBER
PLUS 19 (1L/1.06QT) GENERAL PURPOSE OIL	PP19001
PLUS GOLD (1L/1.06QT) FULLY SYNTHETIC OIL	PPGOLD001
PLUS FF (1L/1.06QT) FLUSHING FLUID	PPFF001



### KIT COMPONENTS

PART NUMBER	ITEM DESCRIPTION	D330K/DK	D330K/DK	D330K/DK	D330K/DK	D330K/DK
		VANE 330VK	MAINT (B) 330LMKB	MAINT (V) 330LMKV	MAJOR (B) 1001802	MAJOR (V) 1011474
1002008	BEARING,BALL,6205,25 X 52 X 15 SUS		1	1	1	1
1000243	BEARING,ROLLER,NU205C3, 25 X 52 X 15 SUS		1	1	1	1
1011249	GASKET,OIL LEVEL GAUGE 49 X 29 X 1 MM		1	1	1	1
300143B	GASKET,SUCTION PORT,BUNA,52 X 37 X 3 MM		1		1	
300143V	GASKET,SUCTION PORT,VITON,52 X 37 X 3 MM			1		1
1006094	HOSE,TEFLON TUBE,6 X 4 X 240 MM		1	1	1	1
410011	NUT SYNDFLEX,SN 1/4B BRASS (1260 x 4)		2	2	2	2
1006067B	O'RING,BUNA,AS568-262 177.39 X 3.53mm		1		1	
1002011B	O'RING,BUNA,JIS G-35, 34.4 X 3.1 MM		1		1	
1006065B	O'RING,BUNA,JIS G-40, 39.4 X 3.1 MM		1		1	
1006064B	O'RING,BUNA,JIS G-85, 84.4 X 3.1 MM		1		1	
1005048B	O'RING,BUNA,JIS P-18, 17.8 X 2.4 MM		2		2	
1006066B	O'RING,BUNA,JIS P-38, 37.7 X 3.5 MM		1		1	
1006067V	O'RING,VITON,AS568-262 177.39 X 3.53mm			1		1
1002011V	O'RING,VITON,JIS G-35, 34.4 X 3.1 MM			1		1
1006065V	O'RING,VITON,JIS G-40, 39.4 X 3.1 MM			1		1
1006064V	O'RING,VITON,JIS G-85, 84.4 X 3.1 MM			1		1
1005048V	O'RING,VITON,JIS P-18, 17.8 X 2.4 MM			2		2
1006066V	O'RING,VITON,JIS P-38, 37.7 X 3.5 MM			1		1
550047	OIL LEVEL GAUGE SIGHT GLASS,49 X 5 MM		1	1	1	1
1002009	PCKNG/GAS BALLAST, 14 X 2.5 X 1 MM		1	1	1	1
1003205B	SEAL,SHAFT,TC255212,BUNA,25 X 52 X 12 MM		1		1	
1002004B	SEAL,SHAFT,TCB325211,32 X 52 X 11 MM		1		1	
1002007B	SEAL,SHAFT,VC30425,BUNA,30 X 42 X 5 MM		1		1	
1002004V	SEAL,SHAFT,VITON			1		1
1002007V	SEAL,SHAFT,VITON			1		1
1003205V	SEAL,SHAFT,VITON			1		1
1003889	SEAL,WASHER,8D,TEFLON		4	4	4	4
410012	SLEEVE SYNDFLEX,SN 1/4B BRASS (1260 x 4B)		2	2	2	2
1003881	VALVE,PLATE		2	2	2	2
1010278	VANE,GX,1ST STAGE,ULVAC	2			2	2
1010282	VANE,GX,2ND STAGE,ULVAC	2			2	2

### KIT COMPONENTS

PART NUMBER	ITEM DESCRIPTION	D650K/DK VANE 650VK	D650K/DK MAINT (B) 650LMKB	D650K/DK MAINT (V) 650LMKV	D650K/DK MAJOR (B) 1001804	D650K/DK MAJOR (V) 1028029
1002008	BEARING,BALL,6205,25 X 52 X 15 SUS		1	1	1	1
1000243	BEARING,ROLLER,NU205C3, 25 X 52 X 15 SUS		1	1	1	1
1011249	GASKET,OIL LEVEL GAUGE 49 X 29 X 1 MM		1	1	1	1
300144B	GASKET,SUCTION MANIFOLD,BUNA		1		1	
300144V	GASKET,SUCTION MANIFOLD,VITON			1		1
590024	HOSE,TEFLON TUBE,6 X 4 X 300 MM		1	1	1	1
410011	NUT SYNDFLEX,SN 1/4B BRASS (1260 x 4)		2	2	2	2
1006067B	O'RING,BUNA,AS568-262 177.39 X 3.53mm		1		1	
1002011B	O'RING,BUNA,JIS G-35, 34.4 X 3.1 MM		1		1	
1006064B	O'RING,BUNA,JIS G-85, 84.4 X 3.1 MM		1		1	
1005048B	O'RING,BUNA,JIS P-18, 17.8 X 2.4 MM		2		2	
1006066B	O'RING,BUNA,JIS P-38, 37.7 X 3.5 MM		1		1	
320289B	O'RING,BUNA,JIS P-44, 43.7 X 3.5 MM		1		1	
1006068B	O'RING,BUNA,JIS V-55, 54.5 X 4 MM		2		2	
1006067V	O'RING,VITON,AS568-262 177.39 X 3.53mm			1		1
1002011V	O'RING,VITON,JIS G-35, 34.4 X 3.1 MM			1		1
1006064V	O'RING,VITON,JIS G-85, 84.4 X 3.1 MM			1		1
1005048V	O'RING,VITON,JIS P-18, 17.8 X 2.4 MM			2		2
1006066V	O'RING,VITON,JIS P-38, 37.7 X 3.5 MM			1		1
320289	O'RING,VITON,JIS P-44, 43.7 X 3.5 MM			1		1
1006068V	O'RING,VITON,JIS V-55, 54.5 X 4 MM			2		2
550047	OIL LEVEL GAUGE SIGHT GLASS,49 X 5 MM		1	1	1	1
1002009	PCKNG/GAS BALLAST, 14 X 2.5 X 1 MM		1	1	1	1
1003205B	SEAL,SHAFT,TC255212,BUNA,25 X 52 X 12 MM		1		1	
1002004B	SEAL,SHAFT,TCB325211,32 X 52 X 11 MM		1		1	
1002007B	SEAL,SHAFT,VC30425,BUNA,30 X 42 X 5 MM		1		1	
1002004V	SEAL,SHAFT,VITON			1		1
1002007V	SEAL,SHAFT,VITON			1		1
1003205V	SEAL,SHAFT,VITON			1		1
1003889	SEAL,WASHER,8D,TEFLON		4	4	4	4
410012	SLEEVE SYNDFLEX,SN 1/4B BRASS (1260 x 4B)		2	2	2	2
1003881	VALVE,PLATE		3	3	3	3
1010278	VANE,GX,1ST STAGE,ULVAC	4			4	4
1010282	VANE,GX,2ND STAGE,ULVAC	2			2	2

### KIT COMPONENTS

PART NUMBER	ITEM DESCRIPTION	D950K/DK VANE 950VK	D950K/DK MAINT (B) 950LMKB	D950K/DK MAINT (V) 950LMKV	D950K/DK MAJOR (B) 1001803	D950K/DK MAJOR (V) 1005862
1002008	BEARING,BALL,6205,25 X 52 X 15 SUS		1	1	1	1
1000243	BEARING,ROLLER,NU205C3, 25 X 52 X 15 SUS		1	1	1	1
1011249	GASKET,OIL LEVEL GAUGE 49 X 29 X 1 MM		1	1	1	1
300145B	GASKET,SUCTION MANIFOLD,BUNA		1		1	
300145V	GASKET,SUCTION MANIFOLD,VITON			1		1
590025	HOSE,TEFLON TUBE,6 X 4 X 360 MM		1	1	1	1
410011	NUT SYNFLX,SN 1/4B BRASS (1260 x 4)		2	2	2	2
1006067B	O'RING,BUNA,AS568-262 177.39 X 3.53mm		1		1	
320291B	O'RING,BUNA,JIS G-105, 104.4 X 3.1 MM		1		1	
1002011B	O'RING,BUNA,JIS G-35, 34.4 X 3.1 MM		1		1	
1005048B	O'RING,BUNA,JIS P-18, 17.8 X 2.4 MM		2		2	
1006066B	O'RING,BUNA,JIS P-38, 37.7 X 3.5 MM		1		1	
1006068B	O'RING,BUNA,JIS V-55, 54.5 X 4 MM		1		1	
320290B	O'RING,BUNA,JIS V-70, 69.0 X 4.0 MM		2		2	
1006067V	O'RING,VITON,AS568-262 177.39 X 3.53mm			1		1
320291	O'RING,VITON,JIS G-105, 104.4 X 3.1 MM			1		1
1002011V	O'RING,VITON,JIS G-35, 34.4 X 3.1 MM			1		1
1005048V	O'RING,VITON,JIS P-18, 17.8 X 2.4 MM			2		2
1006066V	O'RING,VITON,JIS P-38, 37.7 X 3.5 MM			1		1
1006068V	O'RING,VITON,JIS V-55, 54.5 X 4 MM			1		1
320290	O'RING,VITON,JIS V-70, 69.0 X 4.0 MM			2		2
550047	OIL LEVEL GAUGE SIGHT GLASS,49 X 5 MM		1	1	1	1
1002009	PCKNG/GAS BALLAST, 14 X 2.5 X 1 MM		1	1	1	1
1003205B	SEAL,SHAFT,TC255212,BUNA,25 X 52 X 12 MM		1		1	
1002004B	SEAL,SHAFT,TCB325211,32 X 52 X 11 MM		1		1	
1002007B	SEAL,SHAFT,VC30425,BUNA,30 X 42 X 5 MM		1		1	
1002004V	SEAL,SHAFT,VITON			1		1
1002007V	SEAL,SHAFT,VITON			1		1
1003205V	SEAL,SHAFT,VITON			1		1
1003889	SEAL,WASHER,8D,TEFLON		4	4	4	4
410012	SLEEVE SYNFLX,SN 1/4B BRASS (1260 x 4B)		2	2	2	2
1003881	VALVE,PLATE		4	4	4	4
1010278	VANE,GX,1ST STAGE,ULVAC	6			6	6
1010282	VANE,GX,2ND STAGE,ULVAC	2			2	2

PART NUMBER	ITEM DESCRIPTION	VD301 VANE 301VK	VD301 MAINT 301LMK	VD301 MAJOR 301MOK	VD401 VANE 401VK	VD401 MAINT 401LMK	VD401 MAJOR 401MOK
51035	COUPLING, M-84 SPDIER INSERT		1	1		1	1
380022	EXHAUST VALVE PLATE, 22.8 X 22.8 X 1.47		1	1		1	1
380023	EXHAUST VALVE PLATE, 39.85 X 18 X .21		1	1		1	1
300139	GASKET, DISTRIBUTION VLV		1	1		1	1
300140	GASKET, EXHAUST VALVE		1	1		1	1
79537	O'RING,VITON,7.5 X 1.5 MM		3	3		3	3
320285	O'RING,VITON,ISO-267, 209.14 X 3.53 MM		1	1		1	1
320287	O'RING,VITON,JIS P-10, 9.8 X 1.9 MM		2	2		2	2
320283	O'RING,VITON,JIS P-10A, 9.8 X 2.4 MM		1	1		1	1
1005048V	O'RING,VITON,JIS P-18, 17.8 X 2.4 MM		1	1		1	1
320278	O'RING,VITON,JIS P-36, 35.7 X 3.5 MM		2	2		2	2
320281	O'RING,VITON,JIS P-40, 39.7 X 3.5 MM		1	1		1	1
320286	O'RING,VITON,JIS P-8, 7.8 X 1.9 MM		4	4		4	4
320280	O'RING,VITON,JIS S-105, 104.5 X 2 MM		3	3		3	3
320284	O'RING,VITON,JIS S-18, 17.5 X 1.5 MM		1	1		1	1
320282	O'RING,VITON,JIS S-60, 59.5 X 2 MM		1	1		1	1
1006068V	O'RING,VITON,JIS V-55, 54.5 X 4 MM		2	2		2	2
590022	OIL LEVEL GUAGE HOUSING		2	2		2	2
590023	OIL LEVEL TUBE, TEFLON, 10MM X 8MM X 5"		1	1		1	1
310091	SEAL SHAFT, VITON, 23 X 40 X 8 MM		2	2		2	2
310092	SEAL SHAFT,VITON, DIRECTIONAL		1	1		1	1
490056	SPRING, EXHAUST VALVE		1	1		1	1
1027512	VANE,GX,1ST STAGE,ULVAC VD301	2		2			
1029270	VANE,GX,1ST STAGE,ULVAC VD401				2		2
1027513	VANE,GX,2ND STG,ULVAC VD301	2		2	2		2

### KIT COMPONENTS

PART NUMBER	ITEM DESCRIPTION	VS1501 VANE 1501VK	VS1501 MAINT 1501LMK	VS1501 MAJOR 1501MOK
330050	BEARING,BALL,NU208		2	2
360058	COUPLING, M-132 SPDIER INSERT		1	1
300146	GASKET,COVER A (6 HOLES)		3	3
300147	GASKET,COVER B(7 HOLES)		1	1
300153	GASKET,EXHAUST VALVE		1	1
300154	GASKET,OIL GAUGE,VALQUA, 120X106X1 MM		1	1
320299	O'RING,VITON,AS568-254, 139.29 X 3.53 MM		2	2
320298	O'RING,VITON,AS568-262, 177.39 X 3.53 MM		2	2
320301	O'RING,VITON,AS568-282, 405.26 X 3.53 MM		1	1
320296	O'RING,VITON,JIS G-110, 109.4 X 3.1 MM		1	1
320294	O'RING,VITON,JIS G-30, 29.4 X 3.1 MM		1	1
1002011V	O'RING,VITON,JIS G-35, 34.4 X 3.1 MM		2	2
320295	O'RING,VITON,JIS G-75, 74.4 X 3.1 MM		1	1
320283	O'RING,VITON,JIS P-10A, 9.8 X 2.4 MM		7	7
320292	O'RING,VITON,JIS P-14, 13.8 X 2.4 MM		1	1
1005048V	O'RING,VITON,JIS P-18, 17.8 X 2.4 MM		3	3
320293	O'RING,VITON,JIS P-28, 27.7 X 3.5 MM		1	1
320278	O'RING,VITON,JIS P-36, 35.7 X 3.5 MM		1	1
320297	O'RING,VITON,JIS V-100, 99.0 X 4.0 MM		1	1
320290	O'RING,VITON,JIS V-70, 69.0 X 4.0 MM		1	1
310094	SEAL,SHAFT,TCV456812,45 X 68 X 12 MM		1	1
310093	SEAL,SHAFT,TCV507212,50 X 72 X 12 MM		2	2
380024	VALVE,PLATE (A),3 FINGERS		2	2
1030830	VANE,GX,ULVAC VS1501	2		2

PART NUMBER	ITEM DESCRIPTION	VS2401 (VER 1 & 2) VANE 2401VK	VS2401 VER 1 MAINT 2401LMKV1	VS2401 VER 2 MAINT 2401LMKV2	VS2401 VER 1 MAJOR 2401MOKV1	VS2401 VER 2 MAJOR 12401MOKV2
330050	BEARING,BALL,NU208		2	2	2	2
360058	COUPLING, M-132 SPDIER INSERT		1	1	1	1
300152	GASKET,COVER (13 HOLES)			2		2
300149	GASKET,COVER A (6 HOLES)		3		3	
300150	GASKET,COVER B(7 HOLES)		1		1	
300148	GASKET,EXHAUST VALVE		1	1	1	1
300154	GASKET,OIL GAUGE,VALQUA, 120X106X1 MM		1	1	1	1
320298	O'RING,VITON,AS568-262, 177.39 X 3.53 MM		2	2	2	2
320300	O'RING,VITON,AS568-264, 190.09 X 3.53 MM		2	2	2	2
320301	O'RING,VITON,AS568-282, 405.26 X 3.53 MM		1	1	1	1
320296	O'RING,VITON,JIS G-110, 109.4 X 3.1 MM		1	1	1	1
320294	O'RING,VITON,JIS G-30, 29.4 X 3.1 MM		1	1	1	1
1002011V	O'RING,VITON,JIS G-35, 34.4 X 3.1 MM		2	2	2	2
320295	O'RING,VITON,JIS G-75, 74.4 X 3.1 MM		1	1	1	1
320283	O'RING,VITON,JIS P-10A, 9.8 X 2.4 MM		7	7	7	7
320292	O'RING,VITON,JIS P-14, 13.8 X 2.4 MM		1	1	1	1
1005048V	O'RING,VITON,JIS P-18, 17.8 X 2.4 MM		3	3	3	3
320293	O'RING,VITON,JIS P-28, 27.7 X 3.5 MM		1	1	1	1
320278	O'RING,VITON,JIS P-36, 35.7 X 3.5 MM		1	1	1	1
320297	O'RING,VITON,JIS V-100, 99.0 X 4.0 MM		1	1	1	1
320290	O'RING,VITON,JIS V-70, 69.0 X 4.0 MM		1	1	1	1
310094	SEAL,SHAFT,TCV456812,45 X 68 X 12 MM		1	1	1	1
310093	SEAL,SHAFT,TCV507212,50 X 72 X 12 MM		2	2	2	2
380024	VALVE,PLATE (A),3 FINGERS		1	1	1	1
380025	VALVE,PLATE (B),4 FINGERS		2	2	2	2
1030888	VANE,GX,ULVAC VS2401	2			2	2



### KITS

KIT BILL OF MATERIALS CAN BE FOUND LISTED ON THE 'KIT COMPONENTS' PAGES IMMEDIATELY FOLLOWING CORRESPONDING PUMP PAGES.

#### TIP SEAL KITS

**MODEL(S)**  
DIS 250/251  
DIS 500/501

**PART NUMBER**  
P71002026  
P71004026

#### CRANK PIN KITS

**MODEL(S)**  
DIS 250/251  
DIS 500/501

**PART NUMBER**  
71002006  
71004006



#### MAJOR REBUILD KITS

MAJOR REBUILD KITS INCLUDE TIP SEALS, CRANK PINS, BEARINGS, O-RINGS, SHAFT SEALS & OTHER COMPONENTS FOR MAJOR OVERHAUL.

**MODEL(S)**  
DIS 250/251  
DIS 500/501

**PART NUMBER**  
P71005800  
P71004800



### FEATURED SPARES

ALL AVAILABLE SPARES FOR THIS SERIES CAN BE FOUND LISTED ON THE 'INDIVIDUAL SPARES' PAGES AT THE END OF THIS SECTION.

#### SHAFTS

**MODEL(S)**  
DIS 250/251  
DIS 500/501

**PART NUMBER**  
71002012  
71003012



### KIT COMPONENTS

PART NUMBER	ITEM DESCRIPTION	DIS250/251	DIS250/251	DIS500/501	DIS500/501
		CRANK PIN 71002006	MAJOR P71005800	CRANK PIN 71004006	MAJOR P71004800
870014	19.GREASE,TEC,.5 OZ TUBE		1		1
A98881230	AIR FLUSH ASSEMBLY, SCROLL PUMP				1
330008	BEARING,2 METAL SHIELDS				1
330007	BEARING,6302ZZ		1		
08884010	BEARING,NEEDLE,20X28X13,PFPE				1
08880020	BEARING,NEEDLE,30X40X20,PFPE				2
08884001	BEARING,NEEDLE,CRANK PIN,PFPE				3
08880021	BEARING,NEEDLE,SCROLL,PFPE		2		
08884002	BEARING,NEEDLE,SCROLL,PFPE		2		
08884011	BEARING,NEEDLE,SCROLL,PFPE		1		
085039449	COUPLING,SPIDER,L-075		1		
71002006S	CRANKPIN,SINGLE	2	2		
71004006S	CRANKPIN,SINGLE			3	3
08881000	ELEMENT,COUPLING,BLACK				1
08883002	G-SEAL,FS-1,SCROLL PUMP		1		
08883005	G-SEAL,FS-2,SCROLL PUMP		1		
08883001	G-SEAL,OS,SCROLL PUMP		2		
7193002	GREASE SEAL, 20X28X4, GVSP30				1
08805041	GUIDE,OUTLET VALVE				1
08805042	GUIDE,OUTLET VALVE		1		
P71002026	KIT,TIP SEAL,OEM,GVSP12,ISP250		1		
P71004026	KIT,TIP SEAL,OEM,GVSP30,ISP500				1
20019794	O'RING, VITON, 17X1.5				1
320121	O'RING, VITON, 36X1.5				1
002122009V	O'RING,VITON,11 X 1.5 MM		4		
53598504	O'RING,VITON,12X2.31MM		1		
320087	O'RING,VITON,13.5 X 1.5 MM				1
320086	O'RING,VITON,14.5 X 1.5 MM				6
79506	O'RING,VITON,212 X 3 MM		1		
320189	O'RING,VITON,250 X 3 MM				1
23970304	O'RING,VITON,45 X 3 MM		1		1
470014	RING,RETAINING,M16,472,S/S		1		
400033	SCREW,PHILLIPS,"TRUSS HEAD"	4	4	6	6
400068	SCREW,WASHER HEAD,M3X4MM,STEEL		4		6
08882150	SEAL,GREASE,W/GARTER SPRING				2
08804072	SEAL,SHAFT,26X37X6,GVSP30				1
08883004	SEAL,SHAFT,FS-1,SCROLL PUMP		1		
08883003	SEAL,SHAFT,FS-2,SCROLL PUMP		1		
08882100	SEAL,SHAFT,VITON,25X37X4.25MM				1
08885012	SHAFT SEAL, 20X32X8, GVSP30				1
08801050	SPRING		1		1
08804390	SPRING,EXHAUST VALVE,ESDP30A				1
490055	SPRING,SS		1		
08805381	VALVE,EXHAUST STEM		1		
08802390	VALVE,EXHAUST,SDP-30A				1
08805380	VALVE,EXHAUST,STEM,ESDP30				1
420039	WASHER,SEAL,SCROLL,CLEAR, MYLAR				4
420038	WASHER,THRUST,1.09 X .6 X .04		1		

### INDIVIDUAL SPARES

#### BEARINGS

1000243	BEARING,ROLLER,NU205C3, 25 X 52 X 15 SUS	D330
1002008	BEARING,BALL,6205,25 X 52 X 15 SUS	D330
330050	BEARING,BALL,NU208	VS1501

#### COUPLINGS

360058	COUPLING, M-132 SPDIER INSERT	VS1501
51035	COUPLING, M-84 SPDIER INSERT	VD301, VD401

#### GASKETS

1011249	GASKET,OIL LEVEL GAUGE 49 X 29 X 1 MM	D330
300139	GASKET, DISTRIBUTION VLV	VD301, VD401
300140	GASKET, EXHAUST VALVE	VD301, VD401
300143B	GASKET,SUCTION PORT,BUNA,52 X 37 X 3 MM	D330
300143V	GASKET,SUCTION PORT,VITON,52 X 37 X 3 MM	D330
300144B	GASKET,SUCTION MANIFOLD,BUNA	D650
300144V	GASKET,SUCTION MANIFOLD,VITON	D650
300145B	GASKET,SUCTION MANIFOLD,BUNA	D950
300145V	GASKET,SUCTION MANIFOLD,VITON	D950
300146	GASKET,COVER A (6 HOLES)	VS1501
300147	GASKET,COVER B(7 HOLES)	VS1501
300148	GASKET,EXHAUST VALVE	VS2401 VER 1
300149	GASKET,COVER A (6 HOLES)	VS2401 VER 1
300150	GASKET,COVER B(7 HOLES)	VS2401 VER 1
300152	GASKET,COVER (13 HOLES)	VS2401 VER 2
300153	GASKET,EXHAUST VALVE	VS1501
300154	GASKET,OIL GAUGE,VALQUA, 120X106X1 MM	VS1501

#### HARDWARE

410011	NUT SYNFLEX,SN 1/4B BRASS (1260 X 4)	D330
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#### KITS

1001802	KIT,MAJOR OVERHAUL, W/VANES,BUNA,D330	D330
1001803	KIT,MAJOR OVERHAUL, W/VANES,BUNA,D950	D950
1001804	KIT,MAJOR OVERHAUL, W/VANES,BUNA,D650	D650
1005862	KIT,MAJOR OVERHAUL, W/VANES,VITON,D950	D950
1011474	KIT,MAJOR OVERHAUL, W/VANES,VITON,D330	D330
1028029	KIT,MAJOR OVERHAUL, W/VANES,VITON,D650	D650
1501LMK	KIT,LIGHT MAINTENANCE,VITON,VS1501	VS1501
1501MOK	KIT,MAJOR OVERHAUL, W/VANES,VITON,VS1501	VS1501
1501VK	KIT,VANE,ULVAC,VS1501	VS1501
2401LMKV1	KIT,LIGHT MAINTENANCE,VITON,VS2401 VER.1	VS2401 VER 1
2401LMKV2	KIT,LIGHT MAINTENANCE,VITON,VS2401 VER.2	VS2401 VER 2
2401MOKV1	KIT,MAJOR, W/VANES,VITON,VS2401 VER. 1	VS2401 VER 1
2401MOKV2	KIT,MAJOR, W/VANES,VITON,VS2401 VER. 2	VS2401 VER 2
2401VK	KIT,VANE,ULVAC,VS2401	VS2401
301LMK	KIT,REBUILD,VITON,LIGHT MAINT. VD-301 V	D301
301MOK	KIT,MAJOR OVERHAUL, W/VANES,VITON,VD301	VD301
301VK	KIT,VANE,ULVAC VD 301	VD301
330LMKB	KIT,LIGHT MAINTENANCE,BUNA,D330K/DK	D330K/DK
330LMKV K	IT,LIGHT MAINTENANCE,VITON,D330K/DK	D330K/DK
330VK	KIT,VANE,GX,ULVAC,D330K/DK	D330K/DK
401LMK	KIT,REBUILD,VITON,LIGHT MAINT. VD-401	VD401
401MOK	KIT,MAJOR OVERHAUL, W/VANES,VITON,VD401	VD401
401VK	KIT,VANE,ULVAC VD 401	VD401
650LMKB	KIT,LIGHT MAINTENANCE,BUNA,D650K/DK	D650K/DK
650LMKV	KIT,LIGHT MAINTENANCE,VITON,D650K/DK	D650K/DK
650VK	KIT,VANE,GX,ULVAC,D650K/DK	D650K/DK
950LMKB	KIT,LIGHT MAINTENANCE,BUNA,D950K/DK	D950K/DK
950LMKV	KIT,LIGHT MAINTENANCE,VITON,D950K/DK	D950K/DK
950VK	KIT,VANE,GX,ULVAC,D950K/DK	D950K/DK

#### MISC.

1002009	PCKNG/GAS BALLAST, 14 X 2.5 X 1 MM	D330
1006094	HOSE,TEFLON TUBE,6 X 4 X 240 MM	D330
380022	EXHAUST VALVE PLATE, 22.8 X 22.8 X 1.47	VD301, VD401
380023	EXHAUST VALVE PLATE, 39.85 X 18 X .21	VD301, VD401
590024	HOSE,TEFLON TUBE,6 X 4 X 300 MM	D650
590025	HOSE,TEFLON TUBE,6 X 4 X 360 MM	D950

#### O-RINGS

1002011B	O'RING,BUNA,JIS G-35, 34.4 X 3.1 MM	D330K/DK, D650K/DK, D950K/DK
1002011V	O'RING,VITON,JIS G-35, 34.4 X 3.1 MM	D330K/DK, D650K/DK, D950K/DK, VS1501/2401 (VER 1), VS2401 (VER 2)
1005048B	O'RING,BUNA,JIS P-18, 17.8 X 2.4 MM	D330K/DK, D650K/DK, D950K/DK,VD301,VD401



### INDIVIDUAL SPARES

#### O-RINGS (CONT.)

1005048V	O'RING,VITON,JIS P-18, 17.8 X 2.4 MM	D330K/DK, D650K/DK, D950K/DK, VS1501/2401 (VER 1), VS2401 (VER 2), VD301/401
1006064B	O'RING,BUNA,JIS G-85, 84.4 X 3.1 MM	D330K/DK, D650K/DK
1006064V	O'RING,VITON,JIS G-85, 84.4 X 3.1 MM	D330K/DK, D650K/DK
1006065B	O'RING,BUNA,JIS G-40, 39.4 X 3.1 MM	D330K/DK
1006065V	O'RING,VITON,JIS G-40, 39.4 X 3.1 MM	D330K/DK
1006066B	O'RING,BUNA,JIS P-38, 37.7 X 3.5 MM	D330K/DK, D650K/DK, D950K/DK
1006066V	O'RING,VITON,JIS P-38, 37.7 X 3.5 MM	D330K/DK, D650K/DK, D950K/DK
1006067B	O'RING,BUNA,AS568-262 177.39 X 3.53MM	D330K/DK, D650K/DK, D950K/DK
1006067V	O'RING,VITON,AS568-262 177.39 X 3.53MM	D330K/DK, D650K/DK, D950K/DK
1006068B	O'RING,BUNA,JIS V-55, 54.5 X 4 MM	D650K/DK, D950K/DK,VD301,VD401
1006068V	O'RING,VITON,JIS V-55, 54.5 X 4 MM	D650K/DK, D950K/DK,VD301,VD401
320278	O'RING,VITON,JIS P-36, 35.7 X 3.5 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2), VD301, VD401
320280	O'RING,VITON,JIS S-105, 104.5 X 2 MM	VD301, VD401
320281	O'RING,VITON,JIS P-40, 39.7 X 3.5 MM	VD301, VD401
320282	O'RING,VITON,JIS S-60, 59.5 X 2 MM	VD301, VD401
320283	O'RING,VITON,JIS P-10A, 9.8 X 2.4 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2), VD301, VD401
320284	O'RING,VITON,JIS S-18, 17.5 X 1.5 MM	VD301, VD401
320285	O'RING,VITON,ISO-267, 209.14 X 3.53 MM	D330K/DK, D650K/DK, D950K/DK
320286	O'RING,VITON,JIS P-8, 7.8 X 1.9 MM	VD301, VD401
320287	O'RING,VITON,JIS P-10, 9.8 X 1.9 MM	VD301, VD401
320289	O'RING,VITON,JIS P-44, 43.7 X 3.5 MM	D650K/DK
320289B	O'RING,BUNA,JIS P-44, 43.7 X 3.5 MM	D650K/DK
320290	O'RING,VITON,JIS V-70, 69.0 X 4.0 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2), D650K/DK
320290B	O'RING,BUNA,JIS V-70, 69.0 X 4.0 MM	D950K/DK
320291	O'RING,VITON,JIS G-105, 104.4 X 3.1 MM	D950K/DK
320291B	O'RING,BUNA,JIS G-105, 104.4 X 3.1 MM	D950K/DK
320292	O'RING,VITON,JIS P-14, 13.8 X 2.4 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2)
320293	O'RING,VITON,JIS P-28, 27.7 X 3.5 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2)
320294	O'RING,VITON,JIS G-30, 29.4 X 3.1 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2)
320295	O'RING,VITON,JIS G-75, 74.4 X 3.1 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2)
320296	O'RING,VITON,JIS G-110, 109.4 X 3.1 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2)
320297	O'RING,VITON,JIS V-100, 99.0 X 4.0 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2)
320298	O'RING,VITON,AS568-262, 177.39 X 3.53 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2)
320299	O'RING,VITON,AS568-254, 139.29 X 3.53 MM	VS1501
320300	O'RING,VITON,AS568-264, 190.09 X 3.53 MM	VS2401 (VER 1), VS2401 (VER 2)
320301	O'RING,VITON,AS568-282, 405.26 X 3.53 MM	VS1501, VS2401 (VER 1), VS2401 (VER 2)
550047	OIL LEVEL GAUGE SIGHT GLASS,49 X 5 MM	D330K/DK, D650K/DK, D950K/DK
590022	OIL LEVEL GAUGE HOUSING	VD301, VD401
590023	OIL LEVEL TUBE, TEFLON, 10MM X 8MM X 5"	VD301, VD401

#### SEALS

1002004B	SEAL,SHAFT,TCB325211,32 X 52 X 11 MM	D330
1002004V	SEAL,SHAFT,VITON	D950
1002007B	SEAL,SHAFT,VC30425,BUNA,30 X 42 X 5 MM	D330
1002007V	SEAL,SHAFT,VITON	D950
1003205B	SEAL,SHAFT,TC255212,BUNA,25 X 52 X 12 MM	D330
1003205V	SEAL,SHAFT,VITON	D950
1003889	SEAL,WASHER,8D,TEFLON	D330
310091	SEAL SHAFT, VITON, 23 X 40 X 8 MM	VD301, VD401
310092	SEAL SHAFT,VITON, DIRECTIONAL	VD301, VD401
310093	SEAL,SHAFT,TCV507212,50 X 72 X 12 MM	VS1501
310094	SEAL,SHAFT,TCV456812,45 X 68 X 12 MM	VS1501

#### SLEEVES

410012	SLEEVE SYNFLEX,SN 1/4B BRASS (1260 X 4B)	D330
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#### SPRINGS

490056	SPRING, EXHAUST VALVE	VD301, VD401
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#### VALVES

1003881	VALVE,PLATE	D330
380024	VALVE,PLATE (A),3 FINGERS	VS1501
380025	VALVE,PLATE (B),4 FINGERS	VS2401 VER 1

#### VANES

1010278	VANE,GX,1ST STAGE,ULVAC	D330
1010282	VANE,GX,2ND STAGE,ULVAC	D330
1027512	VANE,GX,1ST STAGE,ULVAC VD301	VD301
1027513	VANE,GX,2ND STG,ULVAC VD301 V	D301
1029270	VANE,GX,1ST STAGE,ULVAC VD401	VD401
1030830	VANE,GX,ULVAC VS1501	VS1501
1030888	VANE,GX,ULVAC VS2401	VS2401



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