

REV	ZN	ECN NO.	DESCRIPTION	BY	DATE
A	-	-	RELEASED TO PRODUCTION	JR	11-3-05
B	-	-	REVISED AFTER FAT	JR	11-21-05

LIST OF MATERIAL						
ITEM	QTY	QTY	PART NO.	DESCRIPTION	MATERIAL	DRAWING NO.
1		1	12.3051	PUMP BODY	17-4 PH	D-13331
2		1	12.6315	CHECK VALVE BODY	17-4 PH	B-12007
3		1	12.6330	SPRING RETAINER	316 SS	B-11842
4		1	12.6327	SPRING, 5/16 O.D. X 9/16 LG X Ø.015	316 SS	A-12079
5		1	60.2000	GLAND, 1"	316 SS	ND
6		1	60.2010	COLLAR, 1"	316 SS	ND
7		3	23.5001	PLUG HEX 1/8 NPT	316 SS	ND
8		1	24.4800-1	BALL, SEAT O-RING #110 USP CLASS VI	TEFLON	ND
9		1	18.4000-1	PLUNGER SEAL USP CLASS VI	UHMWPE	ND
10		1	18.4010	BACK-UP RING	VIRGIN PEEK	B-11298
11		1	18.4221	PLUNGER BEARING	GLASS FILLED	A-12055
12		1	18.4205	BEARING RETAINER	316 SS	B-13339
13		1	12.2736	ISOLATOR	303 SS	C-13332
14						
15						
16		1	801.14139	PRIMING VALVE ASSEMBLY	-	B-14139
17		1	18.4204	ISOLATOR BEARING	VIRGIN PEEK	C-13340
18		3	18.V129	O-RING #2-129	VITON	ND
19						
20		1	22.3003	LOCKNUT	316 SS	A-13341
21						
22						
23						
24		1	18.V221	O-RING # 221	VITON	ND
25						
26		1	12.2054	PLUNGER ZIRCONIA CERAMIC	ZIRCONIA	A-13749
27		1	66.4507	EXTENSION HYD CYLDR	300 SS	A-13745
28		1	22.0314	RING SNAP INTERNAL .777 N5000-77	STEEL	ND
29		1	18.V014	O-RING # 2-014	VITON	ND
30		1	12.6113	BALL .43	316 SS	ND

ASSY NO. 801.14133

DUPLICATION OR DISSEMINATION WITHOUT AUTHORIZATION PROHIBITED CONFIDENTIAL AND PROPRIETARY PROPERTY OF:				
 Microfluidics		30 OSSIPPEE RD. P.O. BOX 9101 NEWTON, MA 02464-9101 USA		
SCALE: 1:1	TOLERANCES: $\angle = \pm 1/2"$	$\frac{XX}{XX} = \pm \frac{1}{32}$	DRAWN BY JR	
DATE: 9-27-05	.XX = $\pm .01$	.XXX = $\pm .005$	F. N. 14133B	
PUMP ASSY M110EH USP CL VI SEAL				
MATERIAL:		DRAWING NUMBER		REV.
SEE LIST OF MATERIALS		D-14133		B