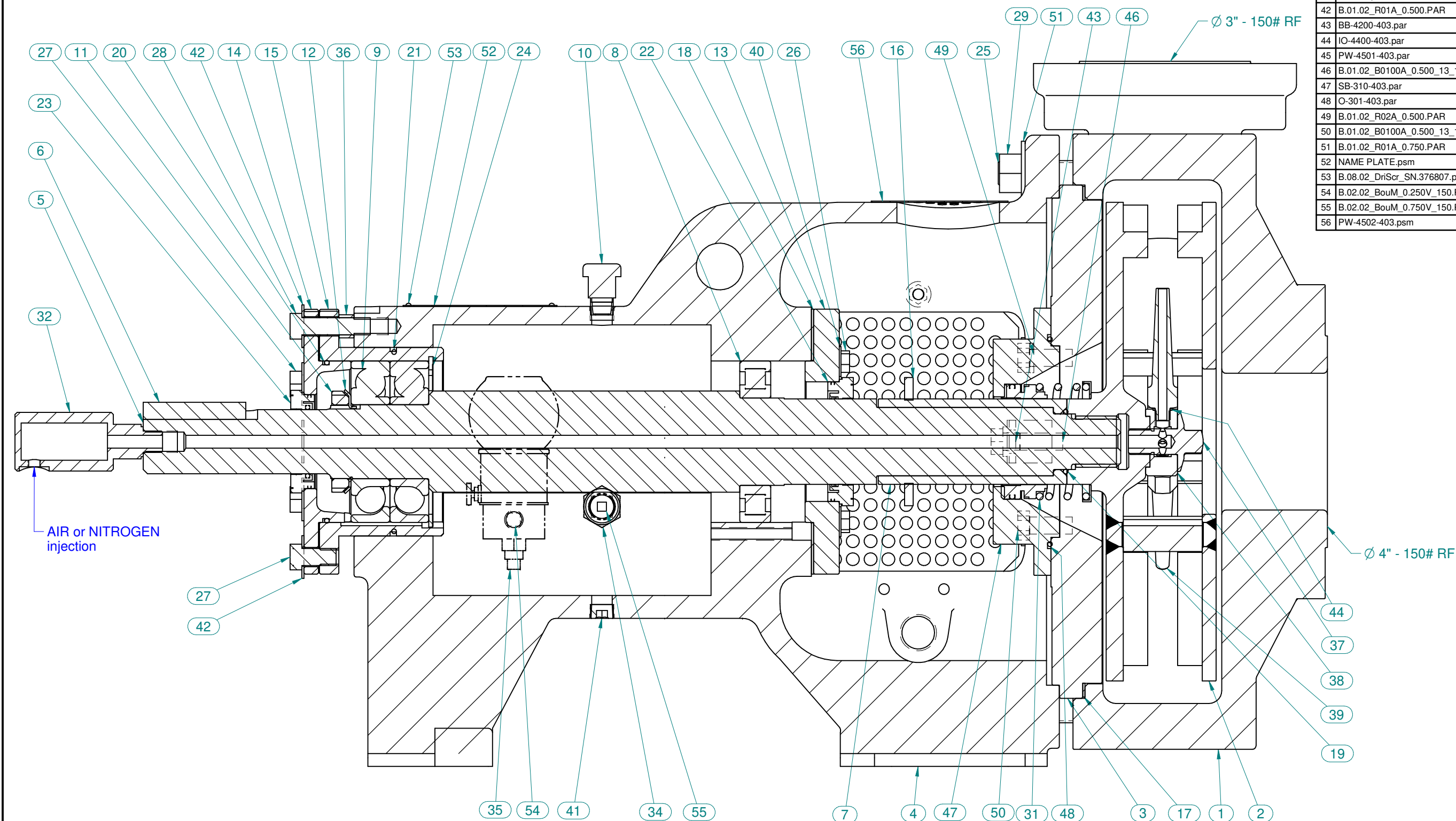
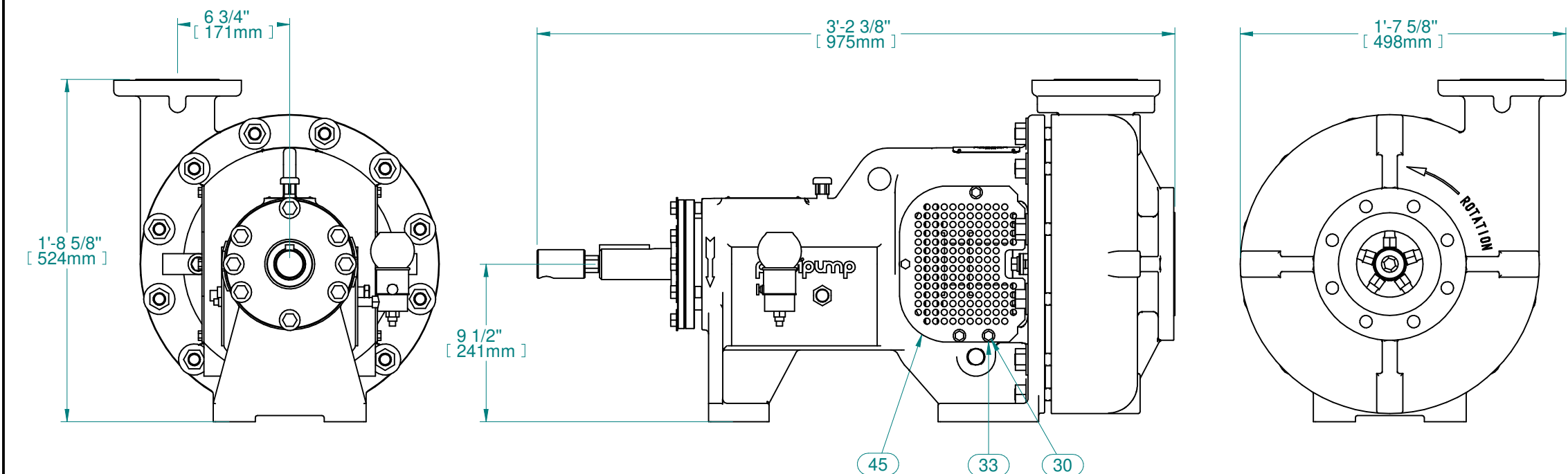




#	Part #	Title	Qty.	Description	Material	Mass
1	C-100-403.par	Casing 403	1	Casing 403	ASTM A351 CF3M	157 lbm
2	D-200-403-14_0_01W.pwd	Impeller 403-13.5	1	Impeller 403-13.5	ASTM A351 CF3M	48 lbm
3	SB-300-403.par	Back Plate 403	1	Plate 1-1/2" x 15-1/64"dia.	SA240-316/316L	61 lbm
4	B-400-403.par	Bearing Frame 403	1	Bearing Frame 403	Ductile Iron - Painted	203 lbm
5	D-500-403.par	Drive Shaft 403	1	Round Bar 2-29/32" dia. x 28-19/32"	SA276/SA479-316/316L	35 lbm
6	D-501-403.par	Drive Shaft Key 403	1	Square Bar 1/2" x 3"	SA276/SA479-316/316L	0 lbm
7	S-600-403.par	Shaft Sleeve 403	1	Round Bar 2-1/2" dia. x 5-33/64"	SA276/SA479-316/316L	3 lbm
8	IB-002-403.par	Inboard Bearing 403	1	Bearing #NUP 213 ECP	Steel	2 lbm
9	OB-002-403.par	Outboard Bearing 403	2	Bearing #7311 BECBY	Steel	6 lbm
10	V-800.par	Vent Bearing Frame	1	Vent Alemitte #313650	Steel - Galvanised	0 lbm
11	L-900-403.par	Bearing Locknut 403	1	Bearing Locknut - N11	Steel	0 lbm
12	L-901-403.psm	Locknut Lockwasher 403	1	Locknut Lockwasher - W11	Steel	0 lbm
13	C-1000-403.par	Inboard Bearing Cover 403	1	Round Bar 7 3/4" dia. x 1"	Steel 1018 - Painted	8 lbm
14	R-1100-403.par	Outboard Bearing Cover 403	1	Round Bar 7-3/4" dia. x 1-3/8"	Steel 1018 - Painted	6 lbm
15	H-1200-403.par	Outboard Bearing Housing 403	1	Round Bar 7-3/4"dia. x 3-5/8"	Steel 1018 - Painted	10 lbm
16	D-1300-403.par	Deflector 403	1	Plate 1/4" x 3-3/4" dia.	Neoprene	0 lbm
17	CG-1500-403.par	Casing Gasket 403	1	Gasket 1/16" x 14-15/16" dia.	Garlock 3000	0 lbm
18	CG-1501-403.par	Inboard Bearing Cover Gasket 403	1	Gasket 1/16" x 7-3/4" dia.	Garlock 3000	0 lbm
19	O-1600-403.par	O-Ring	1	O-Ring #223	Viton	0 lbm
20	O-1601-403.par	O-Ring	1	O-Ring #246	Nitrile	0 lbm
21	O-1602-403.par	O-Ring	1	O-Ring #251	Nitrile	0 lbm
22	LS-1700-403.par	Inboard Bearing Isolator 403	1	Inboard Bearing Isolator PI0000007	Brass	1 lbm
23	LS-1702-403.par	Outboard Bearing Isolator 403	1	Outboard Bearing Isolator PI0000018	Brass	1 lbm
24	SR-1800-403.par	Snap Ring	1	Snap Ring 5000-475	Steel	0 lbm
25	SC-1900-403.par	Stud	12	Threaded Rod 3/4"-10 x 3"	F593-316	5 lbm
26	B.01.02_B0100A_0.375_16_1.250.PAR	B0100A Hexagonal Bolt (in) 0.375_16_1.250	4	Hex. Bolt 3/8"-16 x 1-1/4"	F593-316	0 lbm
27	B.01.02_B0100A_0.500_13_1.000.PAR	B0100A Hexagonal Bolt (in) 0.500_13_1.000	5	Hex. Bolt 1/2"-13 x 1"	F593-316	1 lbm
28	B.01.02_B0100A_0.500_13_2.000.PAR	B0100A Hexagonal Bolt (in) 0.500_13_2.000	3	Hex. Bolt 1/2"-13 x 2"	F593-316	0 lbm
29	B.01.02_E0100A_0.750_10.PAR	E0100A Hexagonal Nut (in) 0.750_10	12	Hex. Nut 3/4"-10	F594-316	1 lbm
30	B.01.02_B0100A_0.313_18_0.750.PAR	B0100A Hexagonal Bolt (in) 0.313_18_0.750	8	Hex. Bolt 5/16"-18 x 3/4"	F593-316	0 lbm
31	MSR-001-403.par	Mechanical Seal 403	1	Mechanical Seal John Crane Type 21 2-1/2"	-	2 lbm
32	P-1115.par	Rotating Joint	1	Rotating Joint Deublin 1115-009-386 upgrade	Aluminum	1 lbm
33	B.01.02_R01A_0.313.PAR	R01A Flat Washer (in) 0.313	8	Flat Washer 5/16"	SA240-316/316L	0 lbm
34	GG-001.par	Glass Oil Level Gauge	1	Oil Level Gauge Oil Rite #A-2890-14	Steel - Galvanised	0 lbm
35	GO-001.par	Glass Oiler	1	Glass oiler Trico #30003	Steel - Galvanised	1 lbm
36	403PFE36.par	Outboard Bearing Cover Bushing 403	3	Pipe 3/8" c40 x 15/32"	SA312-316/316L	0 lbm
37	403PFE37.par	Injection Bolt 403	1	Round Bar 1-3/4" dia. x 2-3/16"	SA276/SA479-316/316L	0 lbm
38	403PFE38.par	Injector Distributor 403	1	Round Bar 2" dia. x 15/16"	SA276/SA479-316/316L	1 lbm
39	403PFE39.par	Injector 403	5	Hex. Bar 3/4" x 3-7/8"	SA276/SA479-316/316L	1 lbm
40	B.01.02_R01A_0.375.PAR	R01A Flat Washer (in) 0.375	4	Flat Washer 3/8"	SA240-316/316L	0 lbm
41	DP-001.par	Drain plug	1	Hex. Plug 3/8" NPT	SA182-316/316L	0 lbm
42	B.01.02_R01A_0.500.PAR	R01A Flat Washer (in) 0.500	10	Flat Washer 1/2"	SA240-316/316L	0 lbm
43	BB-4200-403.par	Backing Plate Bracket 403	2	Angle 3/16" x 3" x 3" x 1-1/4"	Steel - Painted	0 lbm
44	IO-4400-403.par	O-Ring	5	O-Ring #013	Viton	0 lbm
45	PW-4501-403.par	Shaft security guard 403	2	Sheet 11g x 7-17/32" x 9-3/8"	SA240-316/316L	3 lbm
46	B.01.02_B0100A_0.500_13_1.750.PAR	B0100A Hexagonal Bolt (in) 0.500_13_1.750	2	Hex. Bolt 1/2"-13 x 1-3/4"	F593-316	0 lbm
47	SB-310-403.par	Stuffing Box (single seal type 21)	1	Round Bar 7-13/16"dia. x 1-15/16"	F593-316	12 lbm
48	O-301-403.par	O-Ring	1	O-ring #257	Viton	0 lbm
49	B.01.02_R02A_0.500.PAR	R02A Lock Washer (in) 0.500	6	Lock Washer 1/2"	SA240-316/316L	0 lbm
50	B.01.02_B0100A_0.500_13_1.250.PAR	B0100A Hexagonal Bolt (in) 0.500_13_1.250	4	Hex. Bolt 1/2"-13 x 1-1/4"	F593-316	0 lbm
51	B.01.02_R01A_0.750.PAR	R01A Flat Washer (in) 0.750	12	Flat Washer 3/4"	SA240-316/316L	1 lbm
52	NAME PLATE.psm	Name Plate	1	Sheet 1/32" x 2-3/4" x 4-1/2"	SA240-316/316L	0 lbm
53	B.08.02_DrIScr_SN.376807.par	Round U Drive Screw #2 x 1/4"	8	Drive Screw #2 (3/32") x 1/4"	F593-316	0 lbm
54	B.02.02_BouM_0.250V_150.PAR	Plug 0.250_V_150	1	Plug 1/4" NPT M 150#	SA182-316/316L	0 lbm
55	B.02.02_BouM_0.750V_150.PAR	Plug 0.750_V_150	1	Plug 3/4" NPT M 150#	SA182-316/316L	0 lbm
56	PW-4502-403.psm	Shaft security guard 403	1	Sheet 20G x 4" x 4"	SA240-316/316L	0 lbm

Mass Total: 620 lbm

POSEIDON'S PATENT NUMBERS:			
5,385,443	0,972,136	5,662,804	ZL96192773.9
0,723,476	ZL98803624	2,172,336	3331218
5,779,439	727215	0,814,885	198442
2,281,826	5,565,099	2,607,800-6	694,326
OTHER PATENTS PENDING			

 COPYRIGHT © 2014 TOUTS DROITS RÉSERVÉS	CLIENT: CUSTOMER	Mechanical Seal Type 21 (Refinery)	NO. PROJ. PROJ. NO.	2	2016-03-21	Items # 13,14,15 material	N.C.	H.L.
	TITRE TITLE	Cross Sectional Drawing Poseipump 403-13.5	DATE:	2014-05-16	NO	DATE	REVISION	DESS.
	CE DOCUMENT ET TOUTES LES INFORMATIONS QUI LE CONTIENNENT SONT LA PROPRIÉTÉ EXCLUSIVE DE SUEZ TREATMENT SOLUTIONS CANADA LP. IL N'EST PAS À ÊTRE REPRODUIT, EN TOUT OU EN PARTIE, SANS L'AUTORISATION ÉCRITE DE SUEZ TREATMENT SOLUTIONS CANADA LP.		DESS. PAR DRAWN BY:	n.chartier	ECH. SCALE:	1 : 3	DESSIN NO. DRAWING NO.	
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