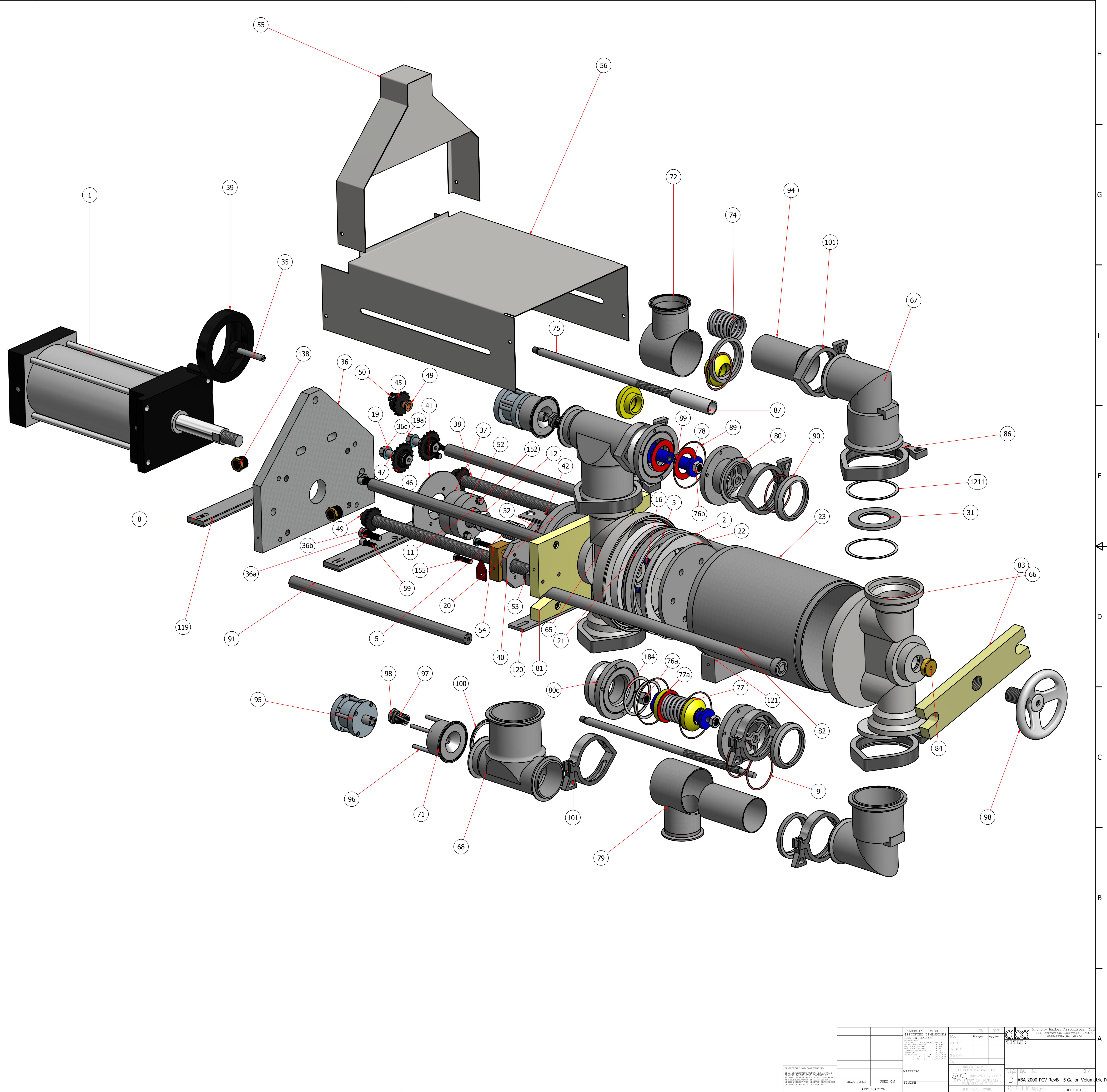


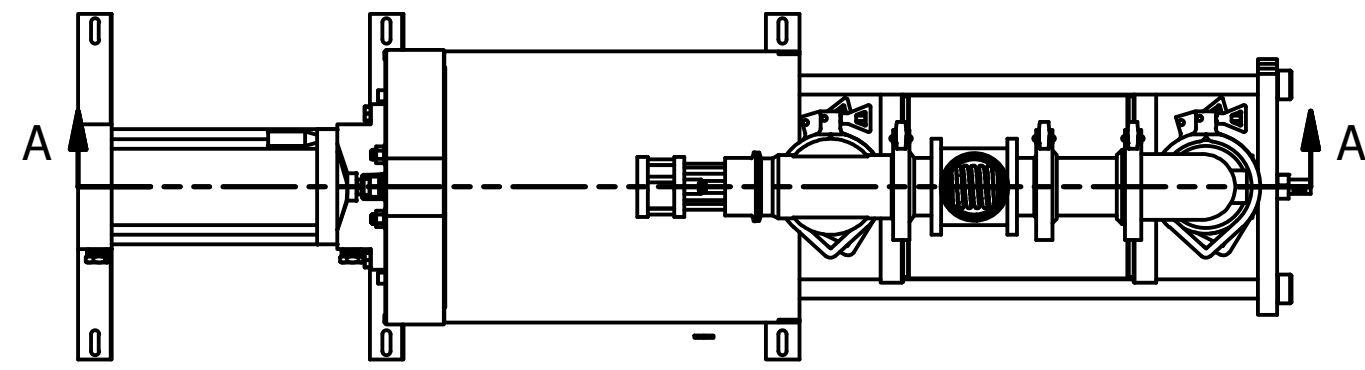
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	ABA-2000-BODY-RevB - 5 Gallon Volumetric Pump Body	5 Gallon Volumetric Pump Body
62	1	ABA-5GALL-COVEREND	5 Gallon Volumetric Pump End Cover
63	1	ABA-5GALL-COVERTOP-RevC	5 Gallon Volumetric Pump Top Cover
65	2	ABA-BRKT-052	5 Gallon Pump .5 inch Mounting Bracket
66	1	ABA-BRKT-053	5 Gallon Pump .25 inch Mounting Bracket
67	1	ABA-85-47	1 Gallon Pump Saddle
68	2	ABA-5GALL-PCV-ASSEMBLY - 5 Gallon Check Valve Assembly	

DRAWN Simon Walker	2/28/2012	TITLE	
CHECKED		ABA-2000-PCV-RevB - 5 Gallon Volumetric Pump with Powered Check Valves	
QA		SIZE	DWG NO
MFG		C	ABA-2000-PCV-RevB
APPROVED		SCALE	REV
			B
		SHEET 1 OF 3	

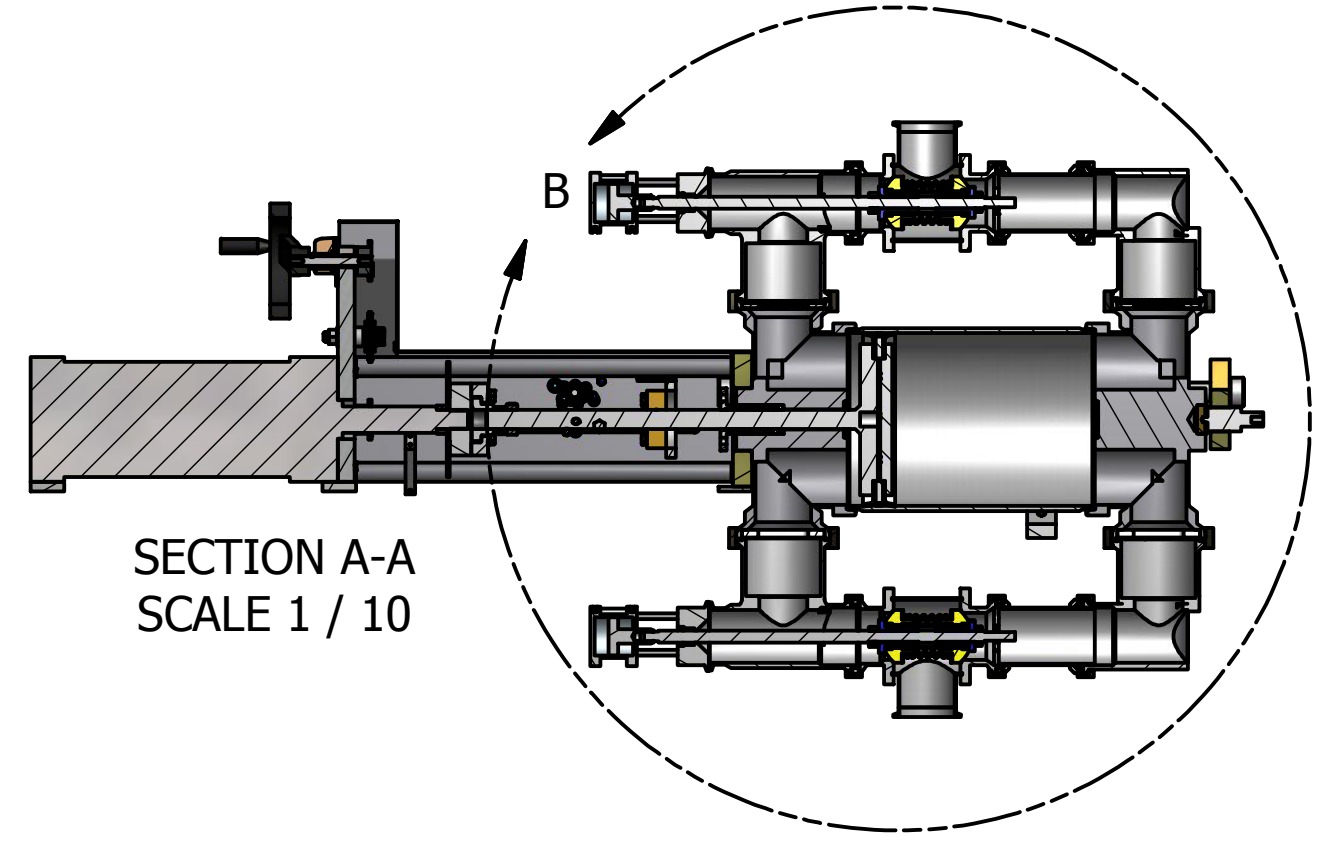
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	ABA-5GALL-01	Five Gallon Air Motor
2	2	ABA-5GALL-02	Piston Cup
3	1	ABA-5GALL-03	Wear Ring
4	2	ABA-5GALL-04	End Seal Pump Cylinder
5	6	ABA-5GALL-05	Packing
6	1	ABA-5GALL-06	Sleeve Gland Packing
8	2	ABA-BRKT-013	1 Gallon Pump Mounting Bracket
9	4	ABA-5GALL-09	Teflon Encapsulated Silicone O-Ring
11	1	ABA-5GALL-11B	Male Coupling
12	2	ABA-5GALL-12	Stainless Steel Hex Nut
16	6	ABA-5GALL-16	SHCS 5-16-18UNC x .75 Long
19	2	ABA-5GALL-19	1/2-13 x 2 (90298A802)
20	1	ABA-5GALL-20	Piston
21	1	ABA-5GALL-21	Spacer
22	1	ABA-5GALL-22	Support Disk
23	1	ABA-5GALL-23	Cylinder Body 5 Gallon
31	2	ABA-5GALL-31	Check Valve Seat
32	1	ABA-5GALL-32	Packing Gland
35	1	ABA-5GALL-48	Crank Shaft
36	1	ABA-5GALL-36-RevD	Cylinder Mount Plate
37	1	ABA-5GALL-37	Stop Plate
38	2	ABA-5GALL-38B	Stop Screw
39	1	60265K25	6 In. Hand Wheel
40	1	ABA-5GALL-40	Stop Bar
41	1	ABA-5GALL-41	Target
42	1	ABA-5GALL-42-RevC	Pump Stroke Proximity Sensor Bracket
43	1	ABA-5GALL-43	Valve Bracket
45	3	ABA-5GALL-45	SPROCKET
46	2	ABA-5GALL-46	Idler Sprocket
47	2	ABA-5GALL-47	Spacer
48	10	90126A030	Zinc-Plated Steel Type A SAE Flat Washer 5/16" Screw Size, 11/16" OD, .05"-.08" Thick
49	5	ABA-5GALL-49	SLEEVE BEARING
50	1	ABA-5GALL-50	#35 Chain - Replaced with P/N ABA-PRESS-04
52	1	ABA-5GALL-52 REVb	Female Coupling
53	2	ABA-5GALL-53B	Bearing Plate
54	2	ABA-5GALL-54 REVb	Nut Plate
55	1	ABA-5GALL-COVERENDa	5 Gallon Volumetric Pump End Cover Part A
55	1	ABA-5GALL-COVERENDb	5 Gallon Volumetric Pump End Cover Part B
56	1	ABA-5GALL-COVERTOP-RevC	5 Gallon Volumetric Pump Top Cover
59	8	ABA-85-39	3-8-24 x 1.25 SHCS
60	8	92949A541	
61	2	92865A580	5/16"-18 x 5/8" HHC Screw
62	4	94875A315	Teflon Spacer .5 in. dia.
65	1	ABA-5GALL-65	End Cap Front 5 Gallon Pump
66	1	ABA-5GALL-66	End Cap Back 5 Gallon Pump
67	2	ABA-5GALL-67	Elbow
68	2	ABA-5GALL-68	Tee
71	2	ABA-5GALL-71	Check Valve Cylinder Mount
72	2	3 In Sline Weld Ferrule	
74	2	Compress Spring1	Part number ABA-5GALL-74
75	2	ABA-5GALL-75-RevD	Valve Stem Powered Check Valve
77	4	ABA-5GALL-77	Powered Check Valve
78	4	ABA-5GALL-78	5 Gallon Power Check Valve Thread Aligner
79	2	ABA-5GALL-79a - Power Check Valve T Body	
80	2	ABA-5GALL-80B-RevD	PCV Valve seat with I-Line Male fitting
81	1	ABA-5GALL-81	End Plate
82	2	ABA-5GALL-82	Tie Rod Shaft
83	1	ABA-5GALL-83	Tensioner Plate
84	1	ABA-5GALL-84	Center Bearing Button
85	1	ABA-85-31 REV1	Tensioner Rod
86	4	ABA-5GALL-86	4" I-Line Clamp
87	2	ABA-5GALL-87	Teflon Sleeve
89	4	ABA-5GALL-89 - Viton O-Ring	
90	4	ABA-5GALL-90E	3in. Clamp Ferrule
91	4	ABA-5GALL-91	Tied Rod
94	2	ABA-5GALL-94-RevB	Manifold Tube
95	4	ABA-5GALL-95	
96	8	ABA-5GALL-57	2.313" Stand Off
97	12	ABA-COV-07	Packing Ring Set
98	2	ABA-COV-18SS	Pressure plug Stainless Steel
98	1	6022K140 - 6 Inch Hand Wheel	
99	1	92949A581	
100	1	90313A111	
100	2	CB-3-SLINE-SEAL	3 in. Teflon Seal
101	6	ABA-85-12	3" I-Line Clamp
119	2	ABA-BRKT-052	5 Gallon Pump .5 inch Mounting Bracket
120	1	ABA-BRKT-053	5 Gallon Pump .25 inch Mounting Bracket
121	1	ABA-85-47	1 Gallon Pump Saddle
138	2	ABA-5GALL-61	3/4-1/2 (50785K71)
143	1	ABA-5GALL-92	Pointer
152	4	91247A630	3-8-16 Thread 1-3-4 Length
155	8	92240A628	18-8 SS Fully Threaded Hex Head Cap Screw 3/8-16 Thread, 1-1/2 Length
156	4	103237B07	3-8in. Lock Washer
184	4	ABA-85-05	3" I-Line Seal
19a	2	91845A310	18-8 Stainless Steel Hex Nut 1/2"-13 Screw Size, 3/4" Width, 7/16" Height
31a	2	ABA-5GALL-31-UHMW	Check Valve Spacer
32a	2	92196A585	Screw 5/16-8 x 1 1/4" SHCS
36a	4	92865A718	1-2 in. - 13 Thread 1-3-4 in. Long
36b	6	91475A033	18-8 Stainless Steel Split Lock Washer 1/2" Screw Size, .87" OD, .12" min Thick
36c	2	98023A033	Zinc & Yellow Grade 8 Steel Flat Washer SAE, 1/2" Screw Size, 1-1/16" OD, .09"-.18" Thk
41a	4	92949A537	1-4 in. - 20 Thread 1-2 in. Length
53a	5	92865A587	5-16 in. -18 Thread 1-1-2 in Long
54b	15	91102A030	Zinc-Plated Steel Spring Lock Washer 5/16" Screw Size, .322" Id, .583"
76a	2	91845A165	
76b	2	91847A545	
77a	4	98126A815	SS Shim 1.75 ID x 2.75 OD x .093"
80c	2	ABA-5GALL-80C-RevD	PCV Valve seat with I-Line Female fitting
1211	1	ABA-5GALL-10	I-Line Gasket
1211	1	01347A624	Screw 3/8"-16 x 2 1/2" HHC



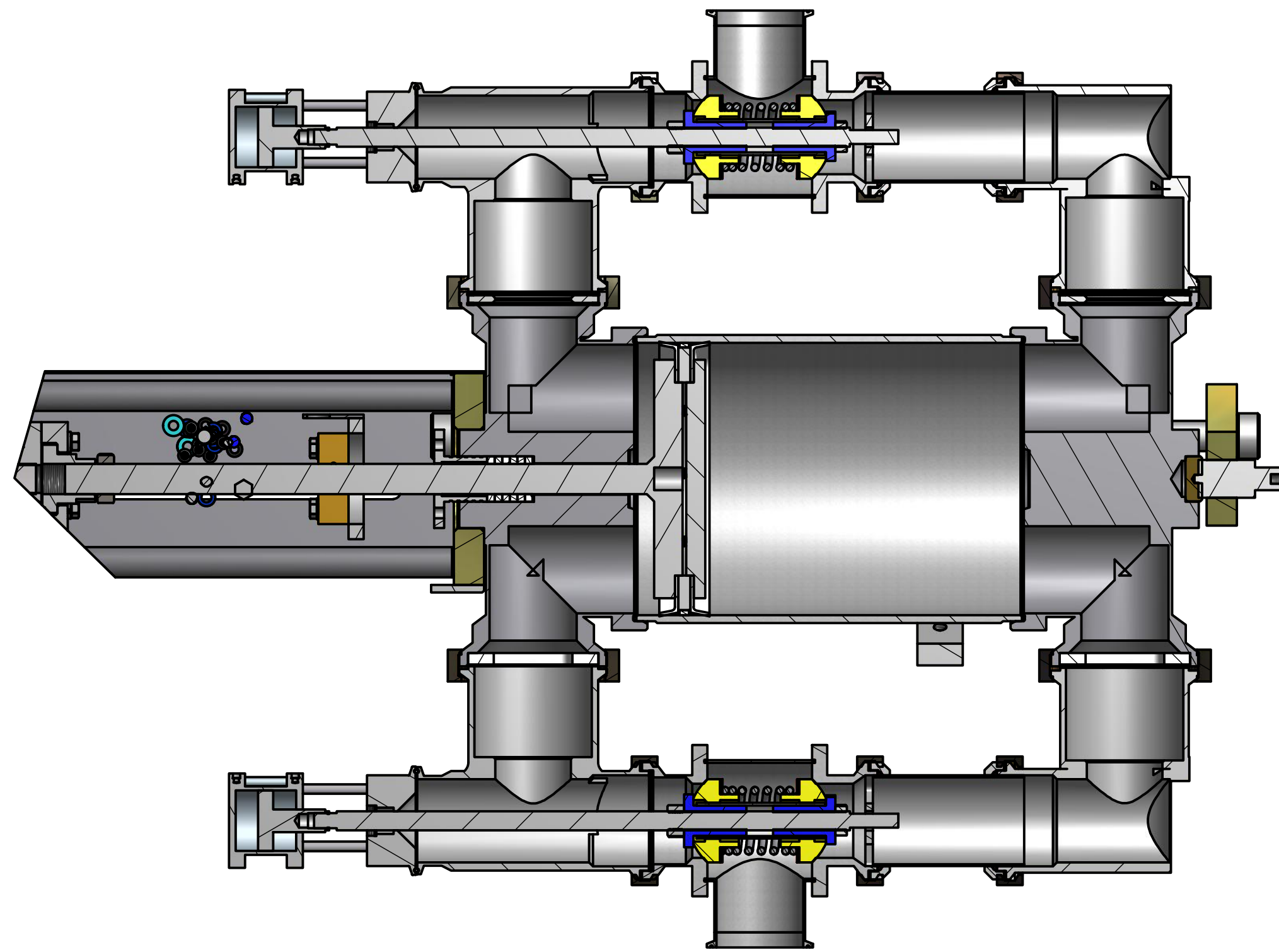
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DRAWN BY: [Signature]					
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DATE: [Signature]					
SCALE: [Signature]					
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APPLICATION: [Signature]					



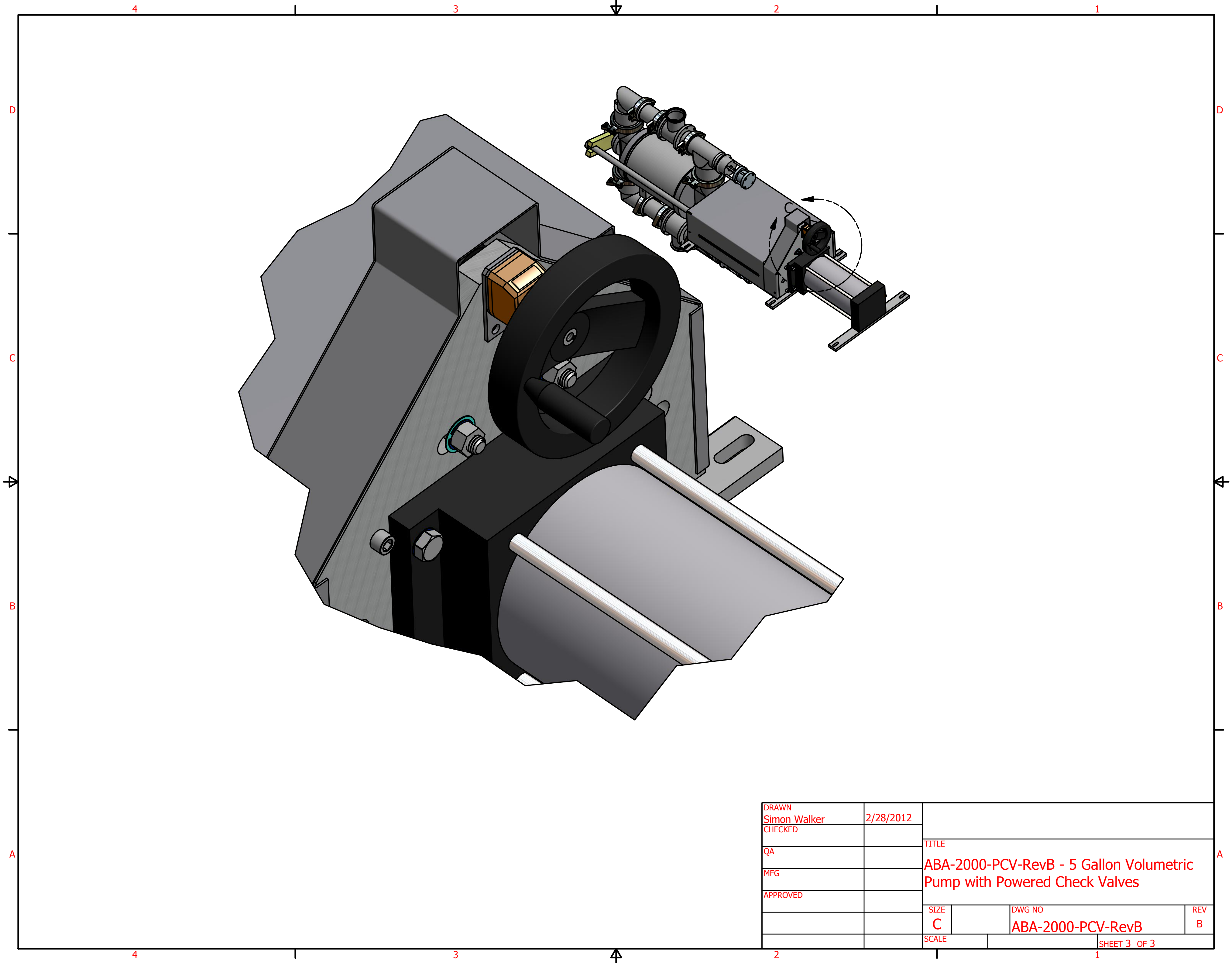
SECTION A-A
SCALE 1 / 10



DETAIL B
SCALE 1 / 4



DRAWN Simon Walker	2/28/2012	TITLE ABA-2000-PCV-RevB - 5 Gallon Volumetric Pump with Powered Check Valves		
CHECKED				
QA		SIZE C	DWG NO ABA-2000-PCV-RevB	REV B
MFG		SCALE	SHEET 2 OF 3	
APPROVED				



DRAWN Simon Walker	2/28/2012			
CHECKED		TITLE		
QA		ABA-2000-PCV-RevB - 5 Gallon Volumetric Pump with Powered Check Valves		
MFG				
APPROVED				
		SIZE	DWG NO	REV
		C	ABA-2000-PCV-RevB	B
		SCALE	SHEET 3 OF 3	














Anthony Barber Associates Ltd., USA






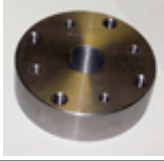





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 Fax: +1 (704) 714-3496
<http://www.abaltd.com>
sales@abaltd.com

Bill Of Materials	
Product:	02_ABA-M334_ABA-2000PCV-PLC 5-Gallon Pump with powered check valves and proximity sensors
Product Qty:	1
Customer:	
Job Number:	











Part ID	Part Number	Qty	Description	Photo
04080 (001)	ABA-PMTR-06X08R1	1	Air motor for 5 gallon pump, A Series, Front Flange Mount, 6 diameter x 10 inch stroke, Std rod 1.275 Rod Dia, Style 1 (1-14 Male Thds) 1/2 NPTF Port, no cushions, 1A-Rod Ext 4.0, BC Bumper Cap with SS Tie rods and SS Rod, 1/2-20 thread tie rods marked in stock location	
04844 (001a)	ABA-2000-MF1-FLANGE	1	Flange for air motor ABA-PMTR-06X08R1 in Plated Mild Steel - unplated replace to shelf 22-03-Right (See ABA-2000-MF1-FLANGE-MAT for material)	
00611 (002)	ABA-5GALL-02	2	5 Gallon Teflon Piston Cup	
00612 (003)	ABA-5GALL-03	1	5 Gallon Teflon Wear Ring	
00613 (004)	ABA-5GALL-04	2	5 Gallon Teflon End Seal	
00614 (005)	ABA-5GALL-05	1	5 gallon gland packing, set of six rings	
00615 (006)	ABA-5GALL-06	1	5 gallon packing gland sleeve- Teflon (1 PER)	

01592 (009)	ABA-5GALL-09B	6	3 inch ID, 3 1/4 OD, 1/8 inch width Teflon Encapsulated Silicone O-Ring (4 per)	
00621 (011)	ABA-5GALL-11B	1	Male coupling, five gallon pump, 303 Stainless steel	
00622 (012)	ABA-5GALL-12	2	18-8 Stainless Steel Hex Thin (Jam) Nut 1-14 Screw Size, 1-1/2 Width, 35/64 Height	
00566 (013)	ABA-425-42C	3	Pneumatic Poppet Valve with bracket uses 2 x 92314A242 10-24 Thread, 1/2 Length Hex head screws (if used on P168 pump substitute BSF screws P/N ABA-425-48)	
02080 (013a)	169PL-5-32-2	6	Elbow 5/32 Tube x 1/8 NPT Male	
02254 (014a)	ABA-425-42E OVERSTROKE	1	73 spring overstroke for poppet valve. Use the 9434K95 Spring	
00626 (016)	ABA-5GALL-16	6	5 Gallon SHCS 5/16-18UNC X .75 long 18-8 SS For ABA-5GALL-22 Support disc	
00629 (019)	ABA-5GALL-19	2	18-8 Stainless Steel Shoulder Screw 5/8" Shoulder Dia, 2" L Shoulder, 1/2"-13 Thread	
02733 (019a)	91845A310	2	18-8 Stainless Steel Hex Nut 1/2-13 Screw Size, 3/4 Width, 7/16 Height For ABA-5GALL-19	
02832 (019b)	98023A033	0	Zinc & Yellow Grade 8 Steel Flat Washer SAE, 1/2 inch Screw Size, 1-1/16 OD, .09-.18 Thk (REPLACE with 90126A033) For ABA-5GALL-19	
04582 (019b)	90126A033	2	18-8 Stainless Steel Type A SAE Flat Washer 1/2 Screw Size, 1-1/16 OD, .07inch-.13inch Thick For ABA-5GALL-19	

02831 (019c)	91475A033	2	18-8 Stainless Steel Split Lock Washer 1/2 inch Screw Size, .87 OD, .12 min Thick (Actual McMaster Carr Part No 92146A033) For ABA-5GALL-19	
00630 (020)	ABA-5GALL-20	1	5 Gallon piston, Shaft needs to be polished	
00631 (021)	ABA-5GALL-21	1	5 Gallon spacer piston cup.	
00632 (022)	ABA-5GALL-22	1	5 Gallon support disk, piston	
00633 (023)	ABA-5GALL-23	1	5 Gallon pump cylinder marked in overflow location	
00641 (031)	ABA-5GALL-31	4	5 Gallon valve seat, SS	
00642 (032)	ABA-5GALL-32	1	5 Gallon Packing Gland Nut	
02737 (032a)	92196A585	2	18-8 Stainless Steel Socket Head Cap Screw 5/16-18 Thread, 1-1/4 Length ABA-5GALL-32	
08105 (035)	ABA-5GALL-10-FEP	8	FEP-Encapsulated Silicone O-Ring, AS568A Dash Number 046. 1/6 inch (0.70 actual) 4.239 inch ID 4.379 inch OD	
00646 (036)	ABA-5GALL-36	1	5 Gallon cylinder mount plate, 3/8-16 threads for mounting bar, 6061 Aluminum plate, 7/8 inch thick.	
02732 (036A)	92865A718	4	18-8 Stainless Steel Hex Head Cap Screw 1/2-13 Thread, 1-3/4 Long, Fully Threaded For ABA-5GALL-36	

02831 (036B)	91475A033	4	18-8 Stainless Steel Split Lock Washer 1/2 inch Screw Size, .87 OD, .12 min Thick (Actual McMaster Carr Part No 92146A033) For ABA-5GALL-36	
04582 (036c)	90126A033	4	18-8 Stainless Steel Type A SAE Flat Washer 1/2 Screw Size, 1-1/16 OD, .07inch-.13inch Thick For ABA-5GALL-36	
02832 (036c)	98023A033	0	Zinc & Yellow Grade 8 Steel Flat Washer SAE, 1/2 inch Screw Size, 1-1/16 OD, .09-.18 Thk (REPLACE with 90126A033) For ABA-5GALL-36	
04898 (036D)	92196A363	4	18-8 Stainless Steel Socket Head Cap Screw 3/8-24 Thread, 1-1/2 Length For ABA-5GALL-36	
00223 (036F)	103237B07	4	18-8 Stainless Steel Split Lock Washer 3/8" Screw Size, .68" OD, .09" min Thick For ABA-5GALL-36	
00647 (037)	ABA-5GALL-37	1	5 Gallon stop plate (1 per pump)	
00648 (038)	ABA-5GALL-38	2	5 Gallon stop screw (2 per) 1-14UNF	
04063 (039)	60265K25	1	Spoked High Resilience Technopolymer Dished Hand Wheel Revolving Handle, 6" Wheel Diameter, 1/2" Black-oxide Steel Boss Hole Dia with 1/8" Keyway and 10-32 thread in line with keyway.	
02098 (039a)	92311A429	1	Type 18-8 SS Cup Point Socket Set Screw 10-32 Thread, 1/2 inch Length	
00650 (040)	ABA-5GALL-40	1	5 Gallon stop bar SS	
00651 (041)	ABA-5GALL-41	1	5 Gallon Target (1 PER PUMP) 0.25#	

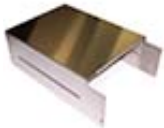










02738 (041a)	92949A537	4	18-8 SS Button Head Socket Cap Screw 1/4-20 Thread, 1/2 inch Length For ABA-5GALL-41	
02848 (041b)	90126A029	4	18-8 Stainless Steel SAE Flat Washer 1/4 Sz, 9/32 Id, 5/8 Od, .051 Min Thk. For ABA-5GALL-41	
01127 (041c)	ABA-LINESTOP-07	4	18-8 Stainless Steel Spring Lock Washer 1/4 Screw Sz, .260 ID, .487 OD, .062 min Thick For ABA-5GALL-41	
01628 (042a1)	ABA-5GALL-42	1	5 Gallon poppet valve plate (1 PER PUMP)	
03003 (042a2)	92314A242	2	18-8 Stainless Steel Hex Head Machine Screw 10-24 Thread, 1/2 Length For Prox Brkt ABA-5GALL-42-REVB	
02141 (042a3)	92141A011	2	18-8 Stainless Steel Flat Washer 10 Screw Size, 13/64 ID, 7/16 OD, .024-.038 Thk For Prox Brkt ABA-5GALL-42-REVB	
02762 (042a4)	92146A011	2	18-8 Stainless Steel Spring Lock Washer #10 Screw Size, .200 in ID, .334 in OD, .047 in min Thk (See also/take from ABA-COV-09 for additional inventory) For Prox Brkt ABA-5GALL-42-REVB	
07772 (042a5)	92210A242	2	18-8 Stainless Steel Flat-Head Socket Cap Screw, 10-24 Thread, 1/2 Long Valve bracket to valve plate red locktite and hacksaw flush	
02840 (042a6)	91841A011	2	18-8 Stainless Steel Machine Screw Nut 10-24 Screw Size, 3/8" Width, 1/8" Height Valve bracket to valve plate	
01468 (042b1)	MAC 4246E	1	Power valve 117706B06, 3 way air pilot (dump valve) MAC	
02103 (042b2)	2202P-6-6	1	3/8 Street elbow for Mac connect to ISI Valves	

02126 (042b3)	169PL-8-6	2	Elbow 1/2 inch Tube x 3/8 inch NPT Male	
00723 (042b4)	ABA-85-42B	2	Exhaust Muffler 3/8 NPT Male, 24 Max SCFM, 1-1/2 Height	
04769 (042b5)	L23JJ452O000000	2	L2 Series Valve, 3/8 Ports, Double Air Pilot, 2 Position, 4 Way, w/override, NPTF Ports. Detented use on pneumatically controlled pumps.	
03925 (042b6)	50785K66	2	Med-Pressure Extruded Brass Thrd Pipe Fitting 1/2" X 3/8" Pipe Size, Male X Female Hex Bushing	
00732 (042b7)	ABA-85-51	2	Standard-Wall Brass Threaded Pipe Nipple 3/8 Pipe Size X 2 L, 13/32 Thrd Length, Sch 40	
04346 (042b7)	4568K154	1	Standard-Wall Brass Threaded Pipe Nipple 3/8" Pipe Sz X 2-1/2" L, 13/32" Thrd Length, Sch 40	
02081 (042b8)	169PL-6-6	1	Elbow 3/8 Tube x 3/8 NPT Male	
02080 (042c)	169PL-5-32-2	5	Elbow 5/32 Tube x 1/8 NPT Male	
02085 (042d)	68PL-5-32-2	1	Straight Connector 5/32 inch Tube x 1/8 inch NPT Male	
00653 (043)	ABA-5GALL-43	2	5 Gallon valve bracket (2 per pump pneu, 1 per PLC)	
03015 (043a)	92240A544	2	18-8 SS Fully Threaded Hex Head Cap Screw 1/4-20 Thread, 1-1/4 Length For ABA-5GALL-43	

				
01127 (043b)	ABA-LINESTOP-07	2	18-8 Stainless Steel Spring Lock Washer 1/4 Screw Sz, .260 ID, .487 OD, .062 min Thick For ABA-5GALL-43	
00655 (045)	ABA-5GALL-45	3	5 Gallon sprocket. Steel Finished-Bore Roller Chain Sprocket for #35 Chain, 3/8" Pitch, 16 Teeth, 1/2" Bore with 1/8inch keyway machined.	
02844 (045a)	ABA-KEY-1-8-3-4	4	Plain Steel Machine Key Square Ends, Undersized, 1/8 Square, 3/4 Length	
02845 (045b)	ABA-KEY-1-8-1	1	Plain Steel Machine Key Square Ends, Undersized, 1/8 Square, 1 Length	
00656 (046)	ABA-5GALL-46	2	Roller Chain Idler Sprocket Steel W/Ball Brg, for #35 Chain, 20 Teeth,.640" Bore	
00657 (047)	ABA-5GALL-47	2	5 Gallon spacer .43 wide (2 PER PUMP)	
02847 (048)	91102A030	2	18-8 Stainless Steel Split Lock Washer 5/16 Screw Size, .59 OD, .07 min Thick For crank shaft	
02846 (048)	90126A030	2	Stainless Steel SAE Flat Washer 5/16 Sz, 11/32 Id, 11/16 Od,.051 For crank shaft	
04853 (048)	ABA-5GALL-96	1	5 Gallon Pump Stroke Adjuster Crank Shaft, 0.5 Dia X 4.25 inch long, 5/16-18 Inside Threaded Both Ends, w/ 1/8 inch keyway	
05384 (048)	92240A578	2	18-8 SS Fully Threaded Hex Head Cap Screw 5/16"-18 Thread, 1/2" Length For crank shaft	
04842	DD51-AN-001.0-S-AR	1	Shaft Mounted Digital Position Counter indicator for 1/2"	



(048a)			shaft. Orange, xx Counts per Revolution, 3.1 Display.	
04854 (048b)	ABA-BRKT-027	1	5 Gallon Pump Counter Mounting Bracket	
01125 (048c)	ABA-LINESTOP-05	2	18-8 SS Fully Threaded Hex Head Cap Screw 1/4-20 Thread, 3/4 Length For ABA-BRKT-027	
01127 (048d)	ABA-LINESTOP-07	2	18-8 Stainless Steel Spring Lock Washer 1/4 Screw Sz, .260 ID, .487 OD, .062 min Thick For ABA-BRKT-027	
00659 (049)	ABA-5GALL-49	5	SAE 841 Bronze Flanged-Sleeve Bearing for 1/2" Shaft Diameter, 5/8" OD, 1/2" Length (for 5 Gallon Pump)(6 per)	
04895 (049a)	6338K421	1	SAE 841 Bronze Flanged-Sleeve Bearing for 1/2" Shaft Diameter, 5/8" OD, 1" Length (for 5 Gal pump w/counter)	
01704 (050)	ABA-PRESS-04	5	Corrosion-Resistant Steel Roller Chain #35, Single Strand, 3/8 Pitch	
01475 (051)	ABA-PRESS-06	1	Add-and-Connect Link for #35 Corrosion-Resistant Steel Roller Chain	
00662 (052)	ABA-5GALL-52	1	Female coupling (1 per)	
02739 (052a)	92240A628	4	18-8 SS Fully Threaded Hex Head Cap Screw 3/8-16 Thread, 1-1/2 Length For ABA-5GALL-52	
00223 (052b)	103237B07	4	18-8 Stainless Steel Split Lock Washer 3/8" Screw Size, .68" OD, .09" min Thick For ABA-5GALL-52	

05117 (052c)	94744A265	4	18-8 Stainless Steel Flat Washer 3/8 Screw Size, 48/64 OD, .05-.12 Thk	
00663 (053)	ABA-5GALL-53	2	5 Gallon bearing plate(2 per)	
02735 (053a)	92865A587	4	18-8 Stainless Steel Hex Head Cap Screw, 5/16-18 Thread, 1-1/2 inch Long, Fully Threaded For ABA-5GALL-53 Bearing plate	
02847 (053b)	91102A030	4	18-8 Stainless Steel Split Lock Washer 5/16 Screw Size, .59 OD, .07 min Thick For ABA-5GALL-53 Bearing plate	
02846 (053c)	90126A030	4	Stainless Steel SAE Flat Washer 5/16 Sz, 11/32 Id, 11/16 Od, .051 For ABA-5GALL-53 Bearing plate	
00664 (054)	ABA-5GALL-54	2	5 Gallon nut plate, 932 bearing bronze (2 per)	
02735 (054a)	92865A587	4	18-8 Stainless Steel Hex Head Cap Screw, 5/16-18 Thread, 1-1/2 inch Long, Fully Threaded For ABA-5GALL-53 Bearing plate	
02847 (054b)	91102A030	4	18-8 Stainless Steel Split Lock Washer 5/16 Screw Size, .59 OD, .07 min Thick For ABA-5GALL-53 Bearing plate	
02846 (054c)	90126A030	4	Stainless Steel SAE Flat Washer 5/16 Sz, 11/32 Id, 11/16 Od, .051 For ABA-5GALL-53 Bearing plate	
04460 (055)	ABA-5GALL-COVEREND	1	5 Gallon volumetric Pump End cover (Guard)	
04459 (056)	ABA-5GALL-COVERTOP	1	5 Gallon Volumetric Pump Top Cover (Guard) Replaced with New guard with hinged cover ABA-5GALL-COVERTOP-ASSEMBLY	

				
02738 (056a)	92949A537	6	18-8 SS Button Head Socket Cap Screw 1/4-20 Thread, 1/2 inch Length For ABA-5GALL-COVERTOP, and counter	
01127 (056b)	ABA-LINESTOP-07	6	18-8 Stainless Steel Spring Lock Washer 1/4 Screw Sz, .260 ID, .487 OD, .062 min Thick For ABA-5GALL-COVERTOP, and counter	
02848 (056c)	90126A029	6	18-8 Stainless Steel SAE Flat Washer 1/4 Sz, 9/32 Id, 5/8 Od,.051 Min Thk. For ABA-5GALL-COVERTOP, and counter	
02082 (060)	169PL-8-8	2	1/2 tube x 1/2 NPT 90 degree elbow	
01669 (065)	ABA-5GALL-65	1	End cap shaft end five gallon pump	
01670 (066)	ABA-5GALL-66	1	End cap blind end, five gallon pump	
01671 (067)	ABA-5GALL-67	2	Elbow 5 Gallon pump	
01672 (068)	ABA-5GALL-68	2	Tee 5 Gallon pump	
01675 (071)	ABA-5GALL-71	2	Check valve cylinder mount, 5 gallon pump, 4 x 10-24 threads.	
03838 (073)	92198A562	8	18-8 SS Hex Head Cap Screw 1/4"-20 Thread, 5" Length	
01127	ABA-LINESTOP-07	8	18-8 Stainless Steel Spring Lock Washer 1/4 Screw Sz,	

(073a)			.260 ID, .487 OD, .062 min Thick	
02848 (073b)	90126A029	16	18-8 Stainless Steel SAE Flat Washer 1/4 Sz, 9/32 Id, 5/8 Od,.051 Min Thk.	
02986 (073c)	91845A029	8	18-8 Stainless Steel Hex Nut 1/4-20 Screw Size, 7/16 Width, 7/32 Height	
01678 (074)	ABA-5GALL-74	2	Compression Spring, 5 gallon pump, Spring OD 2 3/16 inch, wire dia .207, load lbs 176, rate lbs/inch 68.0, 2.85inch free length closed and ground ends	
01679 (075)	ABA-5GALL-75	2	Valve Stem, 5 gallon pump, 5/8-18 thread and 1/2-20 for air cylinder, 32 finish	
01614 (076A)	ABA-5GALL-76A	2	Hex (Full) nut, 5/8-18, 0.55" wide	
01961 (076B)	ABA-5GALL-76B	2	18-8 Stainless Steel Hex Thin (Jam) Nut 5/8"-18 Screw Size, 15/16" Width, 3/8" Height	
01962 (076C)	ABA-5GALL-76C	2	3/16" x 7/8" Spring Pin	
01681 (077)	ABA-5GALL-77	4	Powered Check Valve, 5 gallon pump Rev C	
02916 (077a)	98126A815	3.5	18-8 Stainless Steel Shim .093" Thick, 1-3/4" Id, 2-3/4" Od	
01682 (078)	ABA-5GALL-78	4	Threaded aligner for Teflon sleeve, 5 gallon pump, 5/8-18 thread, 4 per	
01733	ABA-5GALL-79	2	4" x 3" Reducing Tee S-Line with modifications	

(079)				
01734 (080B)	ABA-5GALL-80B	2	Valve seat with I-line male fitting	
01631 (080C)	ABA-5GALL-80C	2	Valve seat with I-line female fitting	
01735 (081)	ABA-5GALL-81	1	End plate	
03094 (081a)	ABA-85-39	4	18-8 Stainless Steel Socket Head Cap Screw 3/8-24 Thread, 1-1/4 Length (4 per) For ABA-5GALL-81	
01736 (082)	ABA-5GALL-82	2	Tie rod shaft(2 per)	
01749 (083)	ABA-5GALL-83	1	Tensioner plate 303 Stainless	
01750 (084)	ABA-5GALL-84	1	Center bearing button for 5 Gallon pumps (1 per)	
00711 (085)	ABA-85-31B	1	Tensioner rod with handwheel assy. 1/2inch bore x 6inch	
01752 (086)	ABA-5GALL-86	4	4 I-line clamp (4 per)4 13IS Hvy Clamp 304	
01753 (087)	ABA-5GALL-87	2	Teflon sleeve, powered check valve pump	

				
01755 (089)	ABA-5GALL-89	4	Viton O-Ring AS568A Dash Number 154 3/32 3 3/4 X 3 15/16 , 5 gallon powered check valve (2 per)	
01756 (090)	ABA-5GALL-90	4	3 Clamp ferrule for 5 gallon pump (4 per)	
01757 (091)	ABA-5GALL-91	4	Tie Rod 3/8-24 Thread each end, 5 Gallon cast pump (4 required)	
01632 (094)	ABA-5GALL-94	2	Manifold tube five gallon pump, 3 OD x 5inch use with powered check valves	
01868 (095)	ABA-5GALL-95	2	Air Cylinder, 2 bore x 1.5 stroke, 1/2-20 thread	
02762 (095a)	92146A011	8	18-8 Stainless Steel Spring Lock Washer #10 Screw Size, .200 in ID, .334 in OD, .047 in min Thk (See also/take from ABA-COV-09 for additional inventory)	
00955 (095B)	ABA-COV-38SS	8	3 inch screw for ABA-COV-26 ASSY, SS 18-8, 10-24 thread	
05851 (096)	ABA-5GALL-57	8	Stand off, 2.313 inch long, .257ID, .313 OD (Made from McMaster Part no 89895K131)Revised length 1.9.12	
00893 (097)	ABA-COV-07	2	Packing Ring Set, 5/8 I.D. X 7/8 O.D., 5 rings per set. (C1056 FDA compliant PTFE filament), -450f to +500f	
00905 (098)	ABA-COV-18SS	2	Pressure plug stainless steel	
01427	CB-3-SLINE-CLAMP	6	3 inch S-line clamp, 304 SS	

(099)				
01428 (100)	CB-3-SLINE-SEAL	6	3 inch S-Line Teflon Seal/Gasket	
00688 (101)	ABA-85-12	6	3 inch I-Line Clamp CIP	
00777 (102)	ABA-ADAP-3-NPTMALE3	1	Adapter 3 inch S-Line to 3 inch NPT male	
05584 (119)	ABA-BRKT-052	2	5 Gallon Pump .5 inch Mounting Bracket	
05585 (120)	ABA-BRKT-053	1	5 Gallon Pump .25 inch Mounting Bracket	
00728 (121)	ABA-85-47	1	1 Gallon Pump Saddle (1 Per) - Rev B requires the 1/2-13 threads to be countersunk on the flat edge	
02977 (121a)	91247A634	2	Grade 5 Zinc-Plated Steel Hex Head Cap Screw 3/8"-16 Thread, 2-1/2" Length For pump saddle	
02133 (121b)	90108A417	2	Zinc-Plated Steel USS Flat Washer 3/8 Screw Sz, 7/16 Id, 1 Od, .064-.104 Thk For pump saddle	
03410 (121c)	ABA-CARR-547	2	1 Gallon Pump Saddle Mounting Bracket for Alluminum Extrusion, 2" x 1.5" x 1.5" 80 bracket, use 92196A581 5/16-18 x 3/4 bolts in pump saddle. For pump saddle	