

Bennett Components

T75/T140 Pumping Units & SB-100 Meters

Parts Manual

Only Trained Personnel May Work on This Equipment

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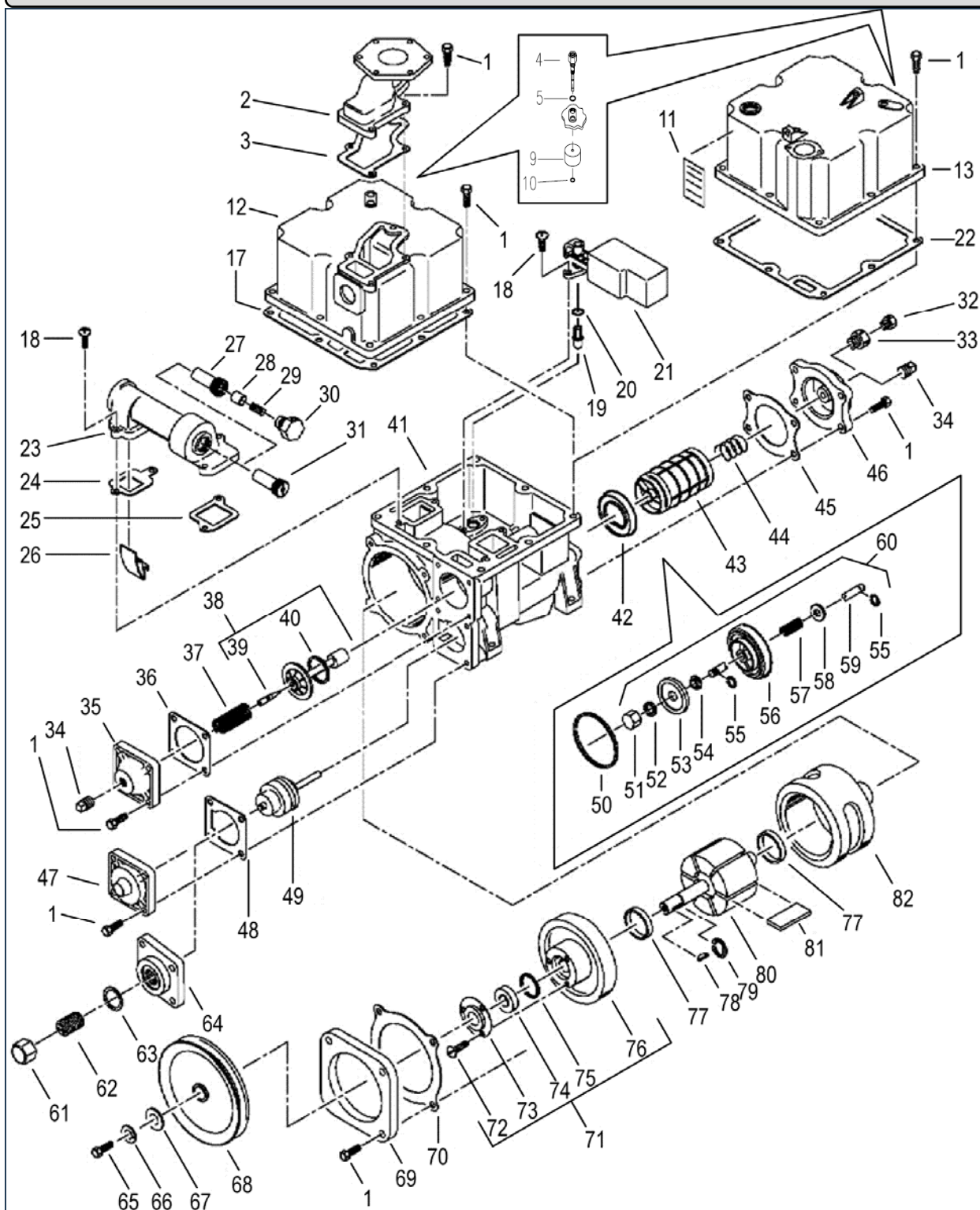
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116147 Rev A 03 03 11

Type 75 Pumping Unit



Type 75 Pumping Unit Parts List

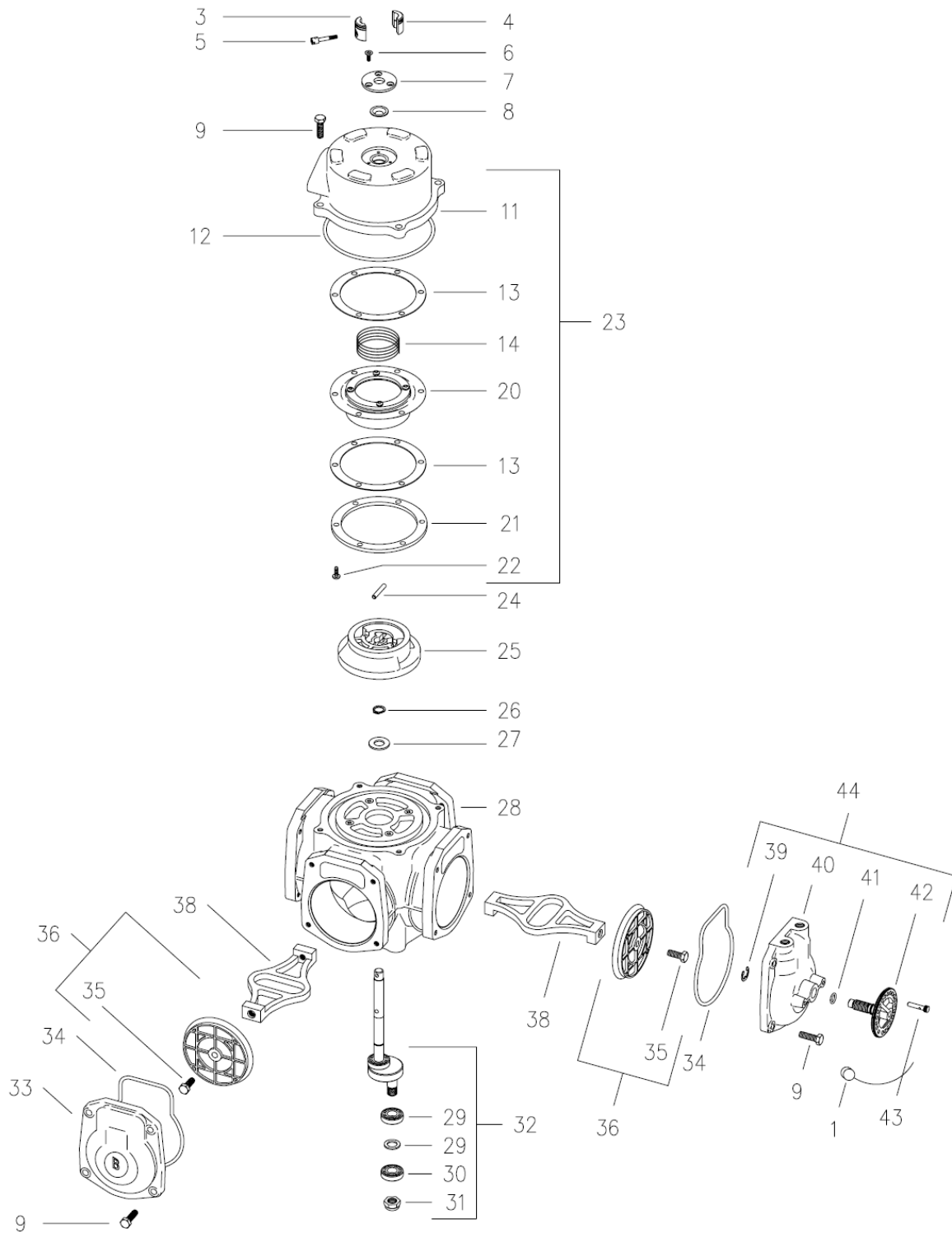
Item	Part Number	Description	Comment
1	A479902	Bolt	M8-1.25 X 25 mm (Use N840502 for Seal Wire Bolt)
2	N152902	Meter Inlet Adaptor	With Tap
	105588	Meter Inlet Adaptor	High Alcohol
3	N162801	Gasket, Meter Inlet Adaptor	
4	111874	Housing, Air Valve Float Assembly	
5	108737	Gasket	
9	108734	Float	
10	111537	Retainer Ring	
11	110211	ID Tag	
12	N152801	Cover, Atmospheric Chamber	Meter Mount Style
	105787	Cover, Atmospheric Chamber	Meter Mount Style - High Alcohol
13	N347901	Cover, Atmospheric Chamber	Pipe Outlet with Motor Mount Ears
	103055	Cover, Atmospheric Chamber	Pipe Outlet with Motor Mount Ears - High Alcohol
	108945	Cover, Atmospheric Chamber	GPU
	109582	Cover, Atmospheric Chamber	GPU - High Alcohol
17	N162901	Gasket - Atmospheric Cover	
18	A480101	Bolt - Round Head	M6-0.7 X 20 mm
19	N888301	Non-Reversing Float	
20	111788	O-Ring #O17	Also used with High Alcohol
21	109892	Atmospheric Float Assembly	
22	N162901	Gasket - Atmospheric Cover	
23	113078	One Piece Air Separator Body	High Alcohol
	113079	One Piece Air Separator Body	
24	N162501	Gasket, Inlet Separator	
25	N162601	Gasket, Outlet Separator	
26	N190201	Insert - Air Separator Inlet	
27	108727	Tube - Air Separator	} OIML Only
28	108730	Piston	
29	108725	Spring	
30	108728	End Cap	
31	N225301	Tube - Air Separator	
32	109668	Screw - Air Test Valve	
33	109666	Adaptor - Air Test Valve	
34	110430	Pipe Plug	1/4 - 18NPT
35	N154801	Cover, Control Valve	High Alcohol
	103053	Cover, Control Valve	
36	N162301	Gasket	
37	E008001	Spring	Standard Delivery Pump 12 GPM
	J325201	Spring	Heavy Duty Delivery Pump 22 GPM
38	113022	Control Valve Assembly	Aluminum Body Version with Hard Coat
39	A321901	Pressure Relief Valve	
40	111790	O-Ring #210	Also used with High Alcohol
41	N150602	Pump Body	High Alcohol Side Inlet Version Side Inlet High Alcohol
	103052	Pump Body	
	N150603	Pump Body	
	109735	Pump Body	
42	N160301	Filter Insert	
43	100070	Strainer	Standard Production
	A311901	Filter	Paper Filter 35 Micron
		Strainer	Special - Used with Sack
	N347301	Cloth Sack	10 Micron

Type 75 Pumping Unit Parts List

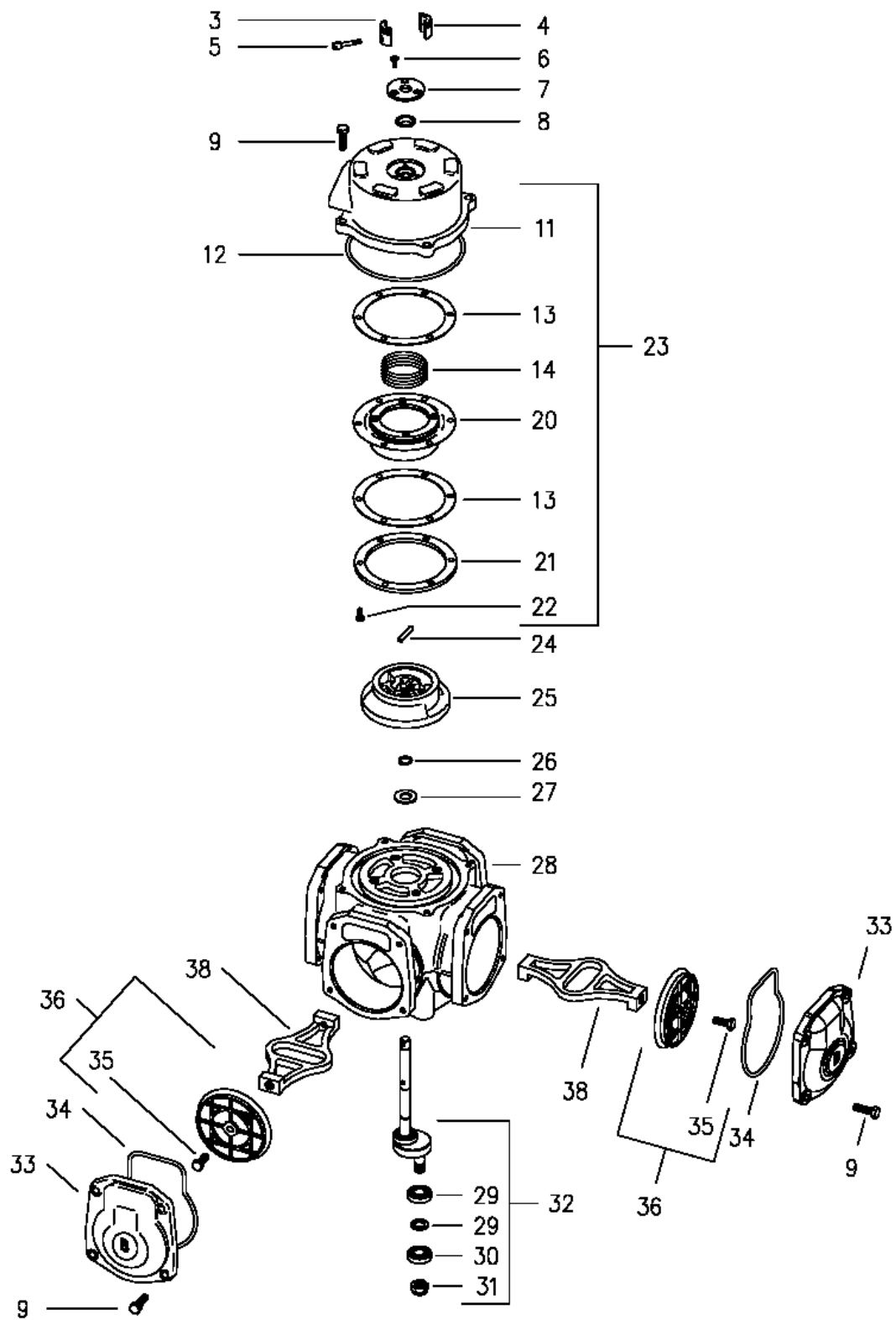
Item	Part Number	Description	Comment
44	N905001	Filter Spring	
45	N162201	Gasket	
46	N154701	Filter Cover	
	103054	Filter Cover	High Alcohol
47	N154901	Bypass Cover	Non-Adjustable
	105585	Bypass Cover	High Alcohol
48	N162401	Gasket	
49	N481201	Bypass Valve	Standard - Silver Spring Low Pressure
	N481202	Bypass Valve	Standard - Green Spring Medium Pressure
	N481203	Bypass Valve	Standard - Copper Spring High Pressure
50	111791	O-Ring #229	Also used with High Alcohol
51	A620801	Cap Nut	
52	A620901	Seal Ring	
53	N873001	Disc	
54	N872801	Adaptor	Not Sold Separately - See Item #60
55	A620101	Retaining Ring	
56	N872901	Check Valve Body	
57	N873201	Spring	
58	N873101	Washer	
59	N872701	Shaft	
60	N873301	Check Valve Assembly	With out Ring
	KR044102	Check Valve Assembly	Includes Item #50 & Item #60
61	N308301	Cap	
62	N308201	Adjustment Screw	
63	A507901	Washer	
64	N308101	Cover - Adjustable Bypass	
65	A479903	Screw	M8 - 1.25 X 20 mm
66	A000301	Lock Washer	
67	A028101	Flat Washer	
68	N106901	Pulley - Single Groove	
	100040	Pulley - Dual Groove	
69	N155901	Clamping Ring	
70	N162701	Gasket	
71	J682702	Rotor Cover Assembly	
72	A480001	Flat Head Screw	
73	H352101	Shaft Seal Retainer	
74	A323702	Shaft Seal (with insertion tool)	109711 Shaft Seal Kit - Includes #74 & 75 with install plug
75	A247014	Square Seal	
76	N103801	Rotor Cover	
77	N650401	Throw Out Ring	Standard Delivery Pump
	N238101	Throw Out Ring	Heavy Duty Pump
78	A199501	Woodruff Key	
79	A263101	Retaining Ring	
80	N238301	Rotor & Shaft Assembly	Standard 6 Blade Rotor
	*KR0420xx	*Rotor Replacement Kit	Includes #70, 74, 75, (2) 77, 80, (6) 81 xx="01" Std Delivery "02" Heavy Duty
81	110704	Rotor Blade	
82	N156401	Stator	Standard Delivery Pump
	N159501	Stator	Heavy Duty Pump
	KR036604	Gasket Set for Pumping Unit	Complete Set of Gaskets, Seals, and O-Rings for P/U

SB100 Meters

SB100 Mechanical Meter



SB100 Electronic Meter



SB100 Meter Parts List

Item	Part Number	Description	Comment
1	N/A	Lead Seal Wire	Please Call 231-798-1310 for details
2	N/A	Universal Link	Please Call 231-798-1310 for details
3	H651203	Half Coupling	Unthreaded See Kit List
4	H650402	Half Coupling	Threaded
5	H650501	Screw	
6	A480001	Screw, Flat Head	M3.5 - 0.6 X 8 mm
7	N666401	Shaft Seal Retainer	
8	107694S	Shaft Seal	
9	A586901	Screw, Hex Head	M6 - 1.0 X 20 mm
9	N840401	Screw, Hex Head	M6 - 1.0 X 20 mm with Seal Hole
10	A247018	O-Ring, Square Section	
11	N646502	Collector Cover	
11	103044	Collector Cover	High Alcohol
12	A247019	O-Ring, Square Section	
13	N673201	Gasket	
14	103077	Spring	
15	A631901	Screw, Fil Head	M4 - 0.7 X 10 mm Stainless Steel
16	N685901	Inner Diaphragm Retainer	
17	100081	Diaphragm	
18	N673101	Gasket	
19	N902501	Counter Valve	
20	101183	Counter Valve Assembly	
21	N685801	Outer Diaphragm Retainer	
22	A586801	Screw, Pan Head	M5 - 0.8 X 12 mm
23	101184	Collector Cover Assembly	
23	103048	Collector Cover Assembly	High Alcohol
24	N672601	Drive Pin	
25	N891601	Distributor	
26	A579901	Retaining Ring	
27	A584001	Washer	Crankshaft Support
28	101185	Meter Body Assembly	
28	103049	Meter Body Assembly	High Alcohol
29	N903701	Roller & Bearing Assembly	
30	A631801	Washer	
31	A239401	Lock Nut	
32	N903801	Crank Shaft Assembly	Gallons
32	N903802	Crank Shaft Assembly	Liters
33	114149	Pin Cylinder Cover	Gallons
33	114444	Pin Cylinder Cover	Liters
33	114442	Pin Cylinder Cover	High Alcohol Gallons
33	114445	Pin Cylinder Cover	High Alcohol Liters
33	N659201	Cylinder Cover (Non Pin)	
34	A247010	O-Ring, Square Section	
35	N792201	Piston Screw, Hex Head	With Nylon Patch (also use with High Alcohol)
36	N701502	Piston Assembly	
36	103046	Piston Assembly	High Alcohol
38	N654801	Connecting Rod	
39	A586401	Retaining Ring	
40	N683701	Calibrating Cover	
40	103043	Calibrating Cover	High Alcohol
41	111787	O-Ring	
42	N701601	Calibrating Dial & Screw Assembly	
43	N675801	Seal Pin	
44	N779601	Calibration Cover Assembly	
44	103047	Calibration Cover Assembly	High Alcohol
45	100535	Gasket, Meter Inlet	Not Shown
46	N902401S	Valve Plate	Not Shown
47	A586601	Screw, Valve Plate	Not Shown
48	A578404	DU Bearing, Meter Body	Not Shown, for meters built since 1995
49	N906501	DU Bearing and Retainer, Meter Body	Not Shown, for meters built before 1995

Kit List

Part Number	Description	Comment
100965	Kit, SB100, V'Plate/C'Valve Replacement	Includes 1 each of items 8, 10, 12, 13, 14, 20, 25 & 46
KR043601	Kit, SB-100 Piston Retail, 4 Per	Includes 4 of items 34, 35, & 36, 1 each of 10 & 45
112343	Kit, SB-100 Piston Retail, Alcohol Meters	Includes 4 of items 34, 35, & 36, 1 each of 10 & 45
107170	Kit, Crankshaft Bearing Replacement	Includes 2 of item 29, 1 ea. of 10, 31 & 45
112246	Kit, Lower Hydraulic Gallon SB-100	Includes 4 of items 34, 35, & 36, 1 ea. of 8, 10, 12, 26, 32, 45 & 48
112347	Kit Lower Hydraulic Gallon SB-100 Alcohol	Includes 4 of items 34, 35, & 36, 1 ea. of 8, 10, 12, 26, 32, 45 & 48
112247	Kit Lower Hydraulic Liter SB-100	Includes 4 of items 34, 35, & 36, 1 ea. of 8, 10, 12, 26, 32, 45 & 48
112348	Kit Lower Hydraulic Liter SB-100 Alcohol	Includes 4 of items 34, 35, & 36, 1 ea. of 8, 10, 12, 26, 32, 45 & 48
KR044601	Kit, SB-100 Diaphragm/Distributor	Includes 4 of item 15, 1 ea. of 8, 10, 12, 13, 14, 17, 25 & 45
112651	Kit, SB-100 Meter Coupling	Includes items 3, 4 & 5
103490	Kit, Tools for Du Bearing Replacement	
112248	Field Du Bearing Install/Removal Tool	
114377	Kit, Meter Gallon Pin Covers M-Calibration	Includes 3 of items 33 & 34, 2 ea. of 29, 1 ea. of 10, 8, 38, 48, 45
114400	Kit, Meter Gallon Pin Covers E-Calibration	Includes 4 of items 33 & 34, 2 ea. of 29, 38, 1 ea. of 10, 8, 45, 48
114446	Kit, Meter Liter Pin Covers M-Calibration	Includes 3 of items 33 & 34, 2 ea. of 29, 1 ea. of 10, 8, 38, 48, 45
114447	Kit, Meter Liter Pin Covers E-Calibration	Includes 4 of items 33 & 34, 2 ea. of 29, 38, 1 ea. of 10, 8, 45, 48

These two kits are for SB100 meters built since 1995

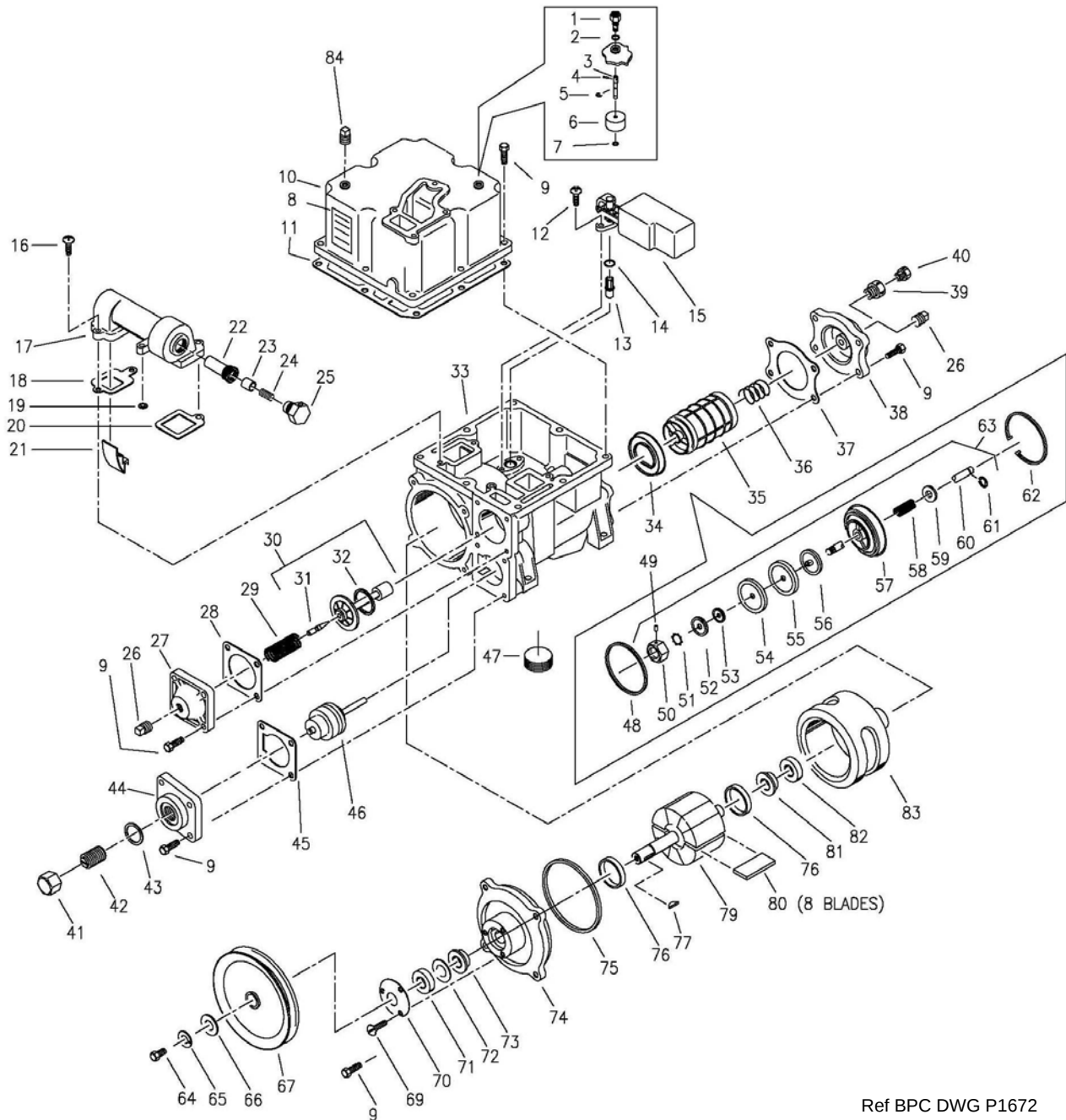
KR044703	Kit, SB-100 Meter, Crankshaft, Gallons	Includes 4 of item 34, 1 ea. of 8, 10, 12, 26, 32, 45 & 48
KR044704	Kit, SB-100 Meter, Crankshaft, Liters	Includes 4 of item 34, 1 ea. of 8, 10, 12, 26, 32, 45 & 48

These two kits are for SB100 meters built before 1995

KR044701	Kit, SB-100 Meter, Crankshaft, Gallons	Includes 4 of item 34, 1 ea. of 8, 10, 12, 26, 32, 45 & 49
KR044702	Kit, SB-100 Meter, Crankshaft, Liters	Includes 4 of item 34, 1 ea. of 8, 10, 12, 26, 32, 45 & 49

T140 Pumping Unit

T140



Ref BPC DWG P1672

Parts List

Not all parts are available for individual purchase. See Available Kits.

Note - If the part is not included in this list then it is not available for purchase through Bennett Pump Company.

Ref No.	Part Number	Description	Comment
1	110359	Housing, Air Valve Float Assembly	
2	108737	Gasket	
3	110360	Shaft	
6	108734	Float	
8	111694	Label Serial Number	
9	A479902	Bolt	M 8 - 1.25 x 25 mm
10	111058	Cover, Atmospheric Chamber	
11	111059	Gasket - Atmospheric Cover	
12	A480101	Bolt - Round Head	M 6 - 0.7 x 20 mm
14	111788	O-Ring	
15	109892	Atmospheric Float Assembly	
16	111051	Bolt - Round Head	
17	111741	Air Separator Body	
18	111047	Gasket, Inlet Separator	
19	111049	Gasket - Round, Outlet Separator	
20	111048	Gasket, Outlet Separator	
21	111050	Insert - Air Separator Inlet	
22	111046	Tube - Air Separator	
23	111636	Piston	
24	108725	Spring	
25	108728	End Cap	
26	A019902	Pipe Plug	1/4 - 18 NPT
27	111034	Cover, Control Valve	
28	111033	Gasket	
29	J325201	Spring	
30	111026	Control Valve Assembly	
31	111031	Pressure Relief Valve	
32	111032	O-Ring	
33	111004	Pump Body	
34	N160301	Filter Insert	
35	111055	Strainer	
36	N905001	Filter Spring	
37	111056	Gasket	
38	111057	Filter Cover	
39	109668	Screw - Air Test Valve	
40	109666	Adaptor - Air Test Valve	
41	111043	Cap Nut B.P.	
42	111042	Adjustment Screw B.P.	
43	A507901	Gasket B.P. Screw	
44	111041	Cover B.P.	
45	111040	Gasket Cover B.P.	

Parts List

Not all parts are available for individual purchase. See Available Kits.

Note - If the part is not included in this list then it is not available for purchase through Bennett Pump Company.

Ref No.	Part Number	Description	Comment
46	111035	Bypass Valve	
47	111647	Pipe Plug - 1 1/2" NPT	
48	111053	O-Ring	
62	111054	Retainer - Wire	
63	111052	Check Valve Assembly	
64	A479903	Screw	
65	A000301	Lock Washer	M 8 - 1.25 x 20 mm
66	111025	Washer	
67	111024	Pulley **See Text	
69	111023	Flat Head Screw	
70	111021	Bearing Retainer	
71	111020	Ball Bearing R.C. **See Text	
72	111019	Washer R.C.	
73	111018	Lip Seal R.C.	
74	111016	Rotor Cover	
75	111017	O-Ring R.C.	
76	111011	Throw Out Ring **See Text	
77	A199501	Woodruff Key #406	
78	A263101	Retaining Ring Rotor	
79	111012	Rotor & Shaft Assembly **See Text	
80	111015	Pump Blade	
81	111010	Lip Seal Stator	
82	111009	Needle Bearing **See Text	
83	111005	Stator **See Text	
84	111648	Pipe Plug 1/4"	

****For units built after January 2011 or serial number 1Nxxxxxx, the following parts are used for pumps manufactured with the 100mm stator.**

Ref No.	Part Number	Description	Comment
67	N106901	Pulley	100mm stator
71	115714	Ball Bearing R.C.	100mm stator
76	115711	Throw Out Ring	100mm stator
79	115735	Rotor & Shaft Assembly	100mm stator
82	115715	Needle Bearing	100mm stator
83	115718	100mm Stator	

Kits

Note - If the part is not included in this list then it is not available for purchase through Bennett Pump Company.

Inlet Check Valve (112164):

Part No.	Description	Quantity
112163	Instructions	1
111053	O-Ring	1
111052	Check Valve Assembly	1

Master Seal (112156):

Part No.	Description	Quantity
112155	Instructions	1
111017	Rotor Cover O-Ring	1
111040	Bypass Valve Cover Gasket	1
111033	Control Valve Cover Gasket	1
111056	Filter Cover Gasket	1
111059	Gasket - Atmospheric Cover	1
111010	Stator Lip Seal	1
111018	Rotor Cover Lip Seal	1

Over Flow Check Valve (112166):

Part No.	Description	Quantity
112165	Instructions	1
111874	Air Valve Sub Assembly	1
108734	Float	1
111537	C-Clip	2
111538	Gasket Valve	1
111059	Gasket - Atmospheric Cover	1

Shaft Seal (112160):

Part No.	Description	Quantity
112159	Instructions	1
111018	Rotor Cover Lip Seal	1

Sump Float (112162):

Part No.	Description	Quantity
112161	Instructions	1
109892	Float Valve Assembly	1
111788	O-Ring	1
Not Available	Non-Reversing Float	1

8 Blade (112168):

Part No.	Description	Quantity
112167	Instructions	1
111015	Blade	8
111018	Rotor Cover Lip Seal	1
Not Available	Non-Reversing Float	1

Kits

Note - If the part is not included in this list then it is not available for purchase through Bennett Pump Company.

Pumping Element - 8 Blade Field Rebuild (112170): **See Text

Part No.	Description	Quantity
112169	Instructions	1
111012	Rotor and Shaft Assembly	1
111015	Blade	8
A199501	Woodruff Key #406	1
111018	Rotor Cover Lip Seal	1
111010	Stator Lip Seal	1

Bypass Valve (112152):

Part No.	Description	Quantity
112151	Instructions	1
111035	Bypass Valve	1

Strainer (112154):

Part No.	Description	Quantity
112153	Instructions	1
111055	Strainer	1

Control Valve (112158):

Part No.	Description	Quantity
112157	Instructions	1
111026	Control Valve Assembly	1
J325201	Spring	1

****For units built after January 2011 or serial number 1Nxxxxxx, the following kits are used for pumps manufactured with the 100mm stator.**

Rotor & Bearing Rebuild 100mm (115731)

Part No.	Description	Quantity
115734	Instructions	1
115735	Rotor and Shaft Assembly (100mm)	1
115715	Needle Bearing (100mm)	1
115714	Ball Bearing (100mm)	1
111010	Lip Seal Stator	1
111018	Lip Seal Rotor Cover	1
113658	Plug (Insertion Tool)	1

Kits

Note - If the part is not included in this list then it is not available for purchase through Bennett Pump Company.

Pumping Element - 8 Blade Field Rebuild 100mm (115736):

Part No.	Description	Quantity
115737	Instructions	1
115735	Rotor and Shaft Assembly (100mm)	1
111015	Blade	8
115711	Throw Out Ring (100mm)	2
111018	Rotor Cover Lip Seal	1
A199501	Woodruff Key #406	1
111010	Stator Lip Seal	1
111017	Rotor Cover O-Ring	1
113658	Plug (Insertion Tool)	1

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