

IA Series

Automatic Intelligent Coffee Brewer: Glass Decanter, Thermal Carafe, Thermal Dispenser, & Thermal Airpot



IA-S



IA-TD



IA-AP



IA-LP



IA-TC



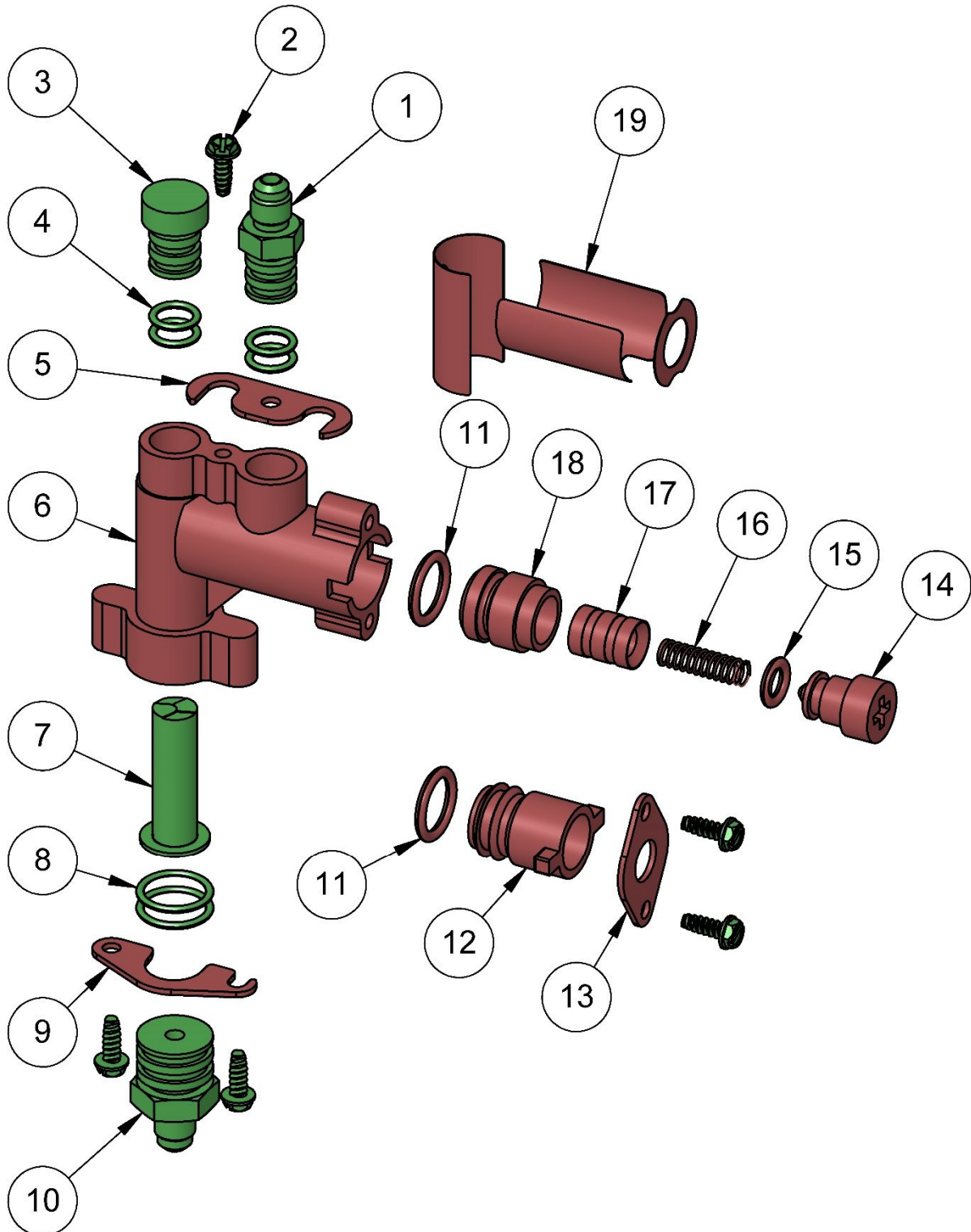
ACE-LD

Spare Parts Catalog

IA Series

Automatic Intelligent Coffee Brewer: Glass Decanter, Thermal Carafe, Thermal Dispenser, & Thermal Airpot

Flow Control Information for PDS [Legacy (Old Style) - PN: 110305]



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PDS Flow Control Valve Legacy [Old] Style and SPDS Flow Control Valve New Style Parts. **Note:** **Green** Colored Parts are Interchangeable between PDS & SPDS Valves. **Red** Colored Parts Are Not.

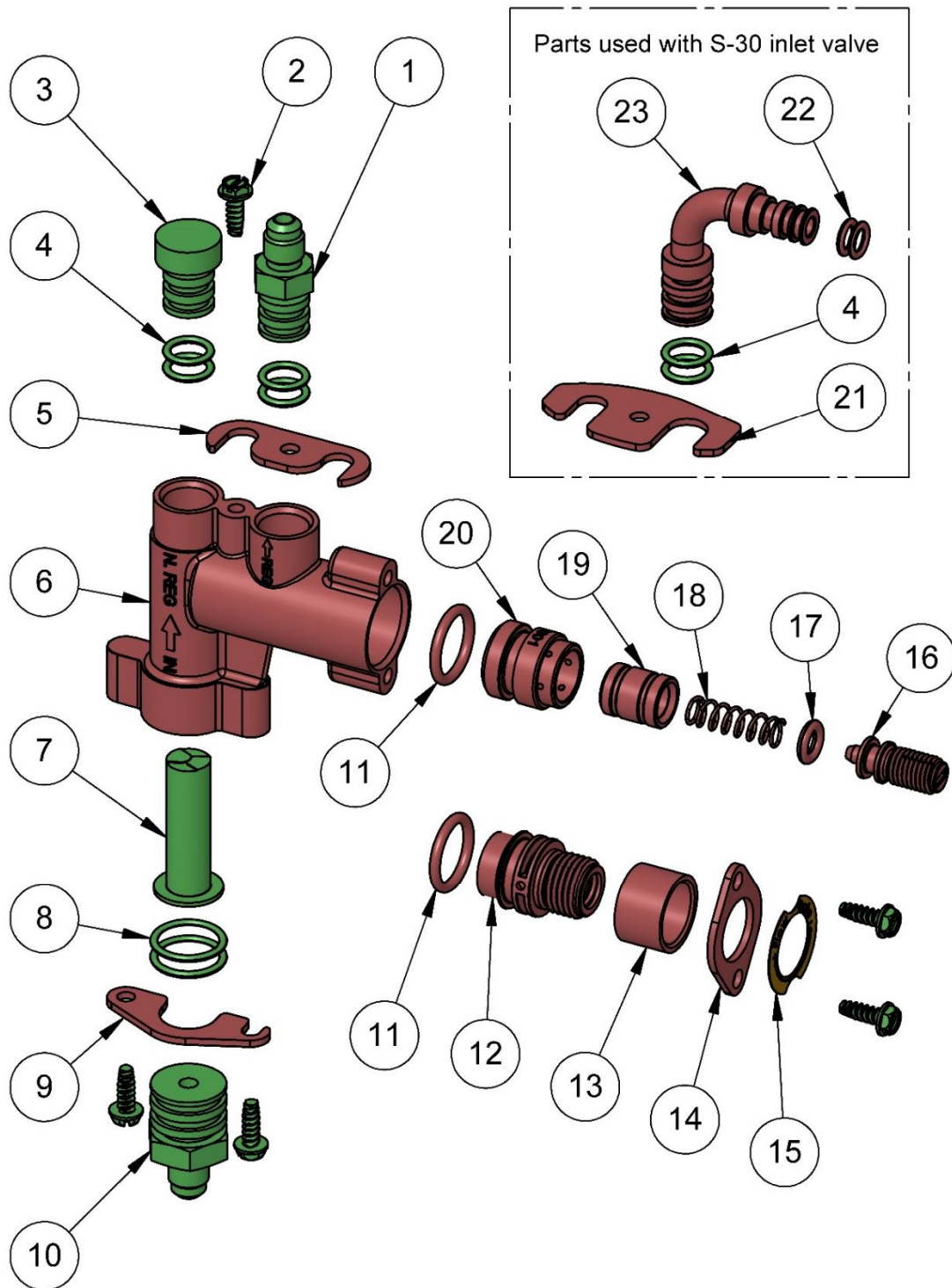
Item	Part Number	Description
1	110220	ADAPTER, 1/4" FL X 1/2" WITH "O"-RING [O-RINGS INCLUDED]
2	110223	SCREW, 8 X 1/2" SS HEX HEAD
3	110108	PLUG, 1/2" "O"-RING ["O-RINGS" INCLUDED]
4	110218	"O"-RING, 3/8" ID X 1/2" OD
5	110580	RETAINER, OUTLET FITTING – 16 GA.
6	110217	BODY, FLOW CONTROL – PDS
7	110114	FILTER SCREEN, SS
8	110219	"O"-RING, 5/8" ID X 3/4" OD
9	110109	RETAINER, INLET FITTING
10	110221	ADAPTER, 1/4" FL X 3/4" "O"-RING ["O"-RING INCLUDED]
11	110213	"O"-RING, 9/16" ID X 3/4" OD
12	110216	BONNET, ADJUSTMENT LOW FLOW PDS ["O-RING NOT INCLUDED]
13	110098	RETAINER, BONNET PDS – 16 GA.
14	110222	PLUG, FLOW ADJUSTMENT ["O"-RING NOT INCLUDED]
15	110214	"O"-RING, 5/16" ID X 1/2" OD
16	110101	SPRING, LOW FLOW PDS
17	110116	PISTON, LOW FLOW PDS ["O"-RING NOT INCLUDED]
18	110117	SLEEVE, PDS ["O"-RING NOT INCLUDED]
19	110102	LABEL SET, PDS VALVE [3 PIECES]

TIMER SETTING REQUIRED TO OBTAIN DESIRED VOLUME									
DESIRED	RED INDICATES LOW FLOW					GREEN INDICATES HI FLOW			
VOLUME IN GPM	0.175	0.200	0.220	0.250	0.300	0.350	0.500	0.750	1.000
BREW TIME FOR:									
1 LITER	91	79	71	63	53	45	32	21	16
64 OZ.	171	150	136	120	100	86	60	40	30
72 OZ.	193	169	153	135	113	96	68	45	34
2.2 LITERS	199	174	159	139	116	100	70	46	35
2.5 LITERS	226	198	180	159	132	113	79	53	40
BREW TIME SHOWN IN SECONDS									

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Flow Control Information for PDS [New Style – PN: 330538]



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PDS Flow Control Valve Legacy [Old] Style and SPDS Flow Control Valve New Style Parts. **Note:** **Green** Colored Parts are Interchangeable between PDS & SPDS Valves. **Red** Colored Parts Are Not.

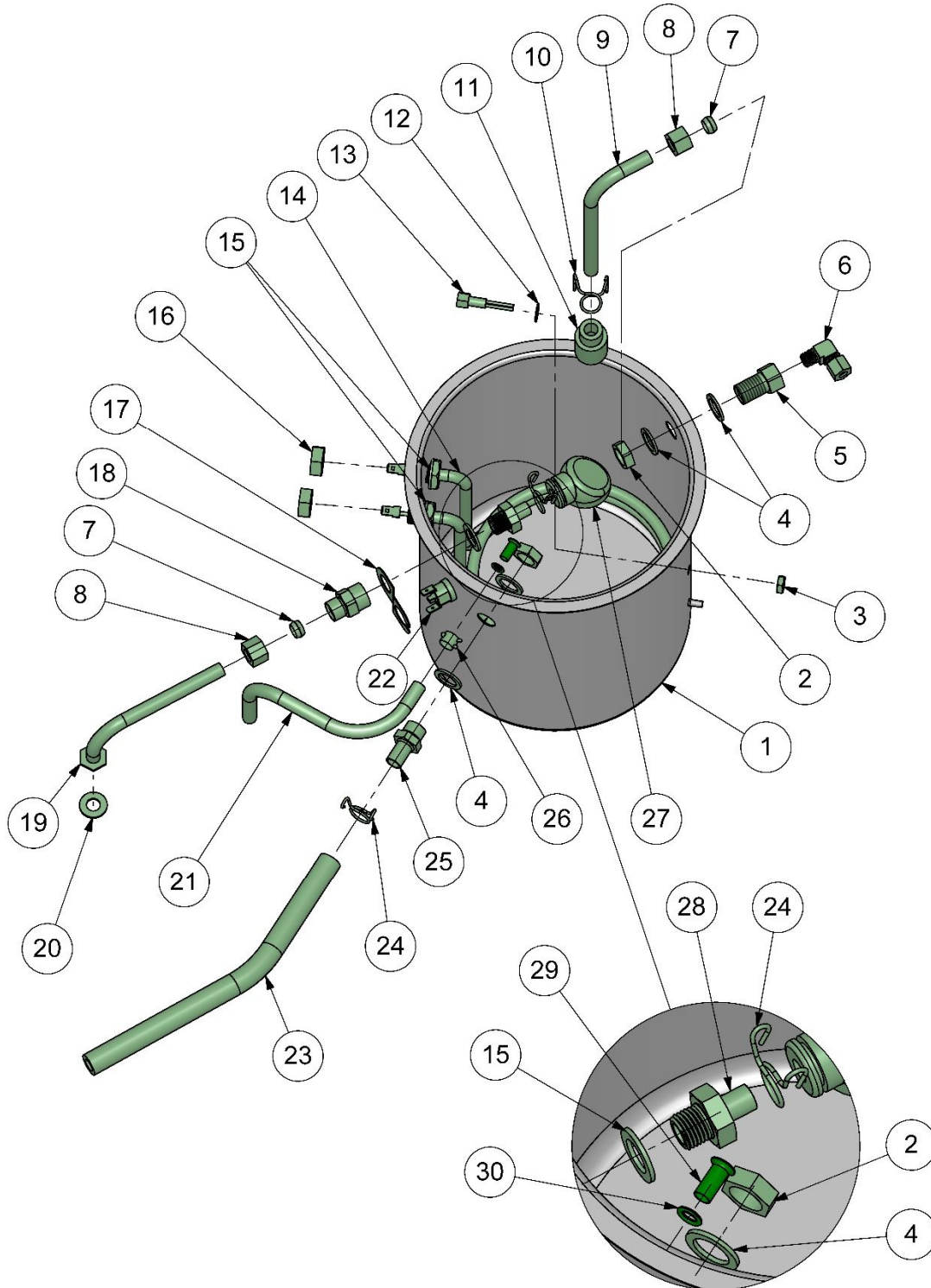
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1	110220	ADAPTER, 1/4" FL X 1/2" WITH "O"-RING [O-RINGS INCLUDED]
2	110223	SCREW, 8 X 1/2" SS HEX HEAD
3	110108	PLUG, 1/2" "O"-RING ["O-RINGS" INCLUDED]
4	110218	"O"-RING, 3/8" ID X 1/2" OD
5	330571	RETAINER, SPDS OUTLET FITTINGS – 14 GA.
6	330548	BODY, FLOW CONTROL – SPDS
7	110114	FILTER SCREEN, SS
8	110219	"O"-RING, 5/8" ID X 3/4" OD
9	330572	RETAINER, SPDS INLET FITTINGS – 14 GA.
10	110221	ADAPTER, 1/4" FL X 3/4" "O"-RING ["O"-RING INCLUDED]
11	800002	"O"-RING, 5/8" ID X 13/16" OD
12	330579	BONNET, FLOW ADJUSTMENT SPDS ["O"-RING INCLUDED]
13	330547	SLEEVE, BONNET SPDS
14	330563	RETAINER, BONNET SPDS – 14 GA.
15	330573	LABEL, FLOW RATE ADJUSTMENT SPDS
16	330580	PLUG, FLOW ADJUSTMENT ASSEMBLY – RED/LOW ["O"-RING INCLUDED]
17	330564	"O"-RING, 1/4" ID X 7/16" OD
18	330545	SPRING, LOW FLOW – SPDS
19	330543	PISTON, LOW FLOW – SPDS
20	330577	SLEEVE ASSEMBLY, SPDS ["O"-RING INCLUDED]
21	330570	RETAINER, SPDS OUTLET – 1 ST RUN 330541 [OTHER USE 110580]
22	330509	"O"-RING, 1/4" ID X 3/8" OD
23	330574	ELBOW, 3/8" "O"-RING X 1/2" "O"-RING [INCLUDES 4 "O"-RINGS]

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DESIRED	RED INDICATES LOW FLOW					GREEN INDICATES HI FLOW			
VOLUME IN GPM	0.175	0.200	0.220	0.250	0.300	0.350	0.500	0.750	1.000
BREW TIME FOR:									
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IA Tank Assembly



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IA Tank Assembly

Item	Part No.	Description
1	108007	TANK, SPOT WELDED ACE-PLUS
2	100431	NUT, BRASS 9/16"-24 X 11/16" HEX TIN PLATED
3	100213	NUT, 1/4"-20 HEX SS
4	100030	BRASS GASKET, .566" ID X .811" OD
5	102831	FEMALE FITTING, 3/8" C X 1/8" NPT
6	100149	MALE ELBOW, 1/4" C X 1/8" NPT
7	100166	BRASS SLEEVE, 3/8" C
8	100170	BRASS NUT, 3/8" C
9	152701	FILL TUBE WITH VENT, TANK
10	411039	HOSE CLAMP, .510" ID
11	111105	SILICONE FITTING, NIPPLE VIP
12	152397	TEFLON WASHER, .218" ID X .500" X .031"
13	152184	THERMISTOR ASSEMBLY
14	102580-10	HEATING ELEMENT, 1400W 120V
14A	100071-10	HEATING ELEMENT, 1750W 120V
14B	102850-10	HEATING ELEMENT, 3500W 240V
15	100409	GASKET, .520" ID X .811" OD X .064" TIN PLATED
16	100190	BRASS JAM NUT, 1/2"-20
17	100269	HI-LIMIT THERMOSTAT BRACKET
18	100135	BULKHEAD FITTING, OUTLET
19	102783	SPRAY HEAD TUBE
20	100025	SPRAY HEAD GASKET
21	152218	SILICONE TUBING, 1/4" ID X 3/8" OD [COMES IN 100 FT. ROLLS] <i>SPECIFY LENGTH WHEN ORDERING</i>
22	111593	MANUAL THERMOSTAT, 221 F 25 A
23	152213	SILICONE TUBING, 3/8" ID X 5/8" OD [COMES IN 100 FT. ROLLS] <i>SPECIFY LENGTH WHEN ORDERING</i>
24	111635	HOSE CLAMP, .574 ID
25	102835	BULKHEAD FITTING, FAUCET
26	100440	HOSE CLAMP, .312" ID
27	110595	SILICONE VACUUM BREAKER
28	108248	FITTING, TUBE 1/4" NPS X 3/8" TUBE
29	201112	BRASS INSERT, 1/4" OD
30	330509	"O"-RING, -.010.239 X .379" EPDM A70 BK

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Additional Replacement Parts

Part No.	Description	Image
108090	Harness & Cord Assembly 120V IA	
101035	Strain Relief Grommet, 14/3	
110958	Relay, 12V DC SPST 30A	
102580	Heating Element Tank, 1400W 120V [LP, TC, S Models Only]	
102780	S-45 Solenoid Valve Only, ACE	
102820	S-45 Solenoid Valve Assembly, ACE .250 GPM	
102862	Micro Switch & Bracket Assembly	
102841	Micro Switch with Offset	

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Additional Replacement Parts

Part No.	Description	Image
108044	Control Board Assembly, Warmer Models IA [LP & S Models Only]	
102884	Lamp, Red – “Heating” Amber – “Brew” 120V [pkg. – 2 lamps]	
104002	Momentary Switch, Amber	
108045	Momentary Switch, Red STDP [AP, LD, TC, & TD models Only]	
104015	Bezel Adapter, Switches	
700413	Volume Switch, I,II, & III	
110958	Relay, 12V DC SPST 30A	
500409	Probe, 5.312” SS Passivated	

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Additional Replacement Parts

Part No.	Description	Image
500410	Probe, 1.718" SS Passivated	
110985	Brew Basket Assembly, BW Mod Vac Black	
102800	Brew Basket Rail, Left-hand ACE	
102799	Brew Basket Rail, Right-hand ACE	
102427	Face Plate Label, IA Series - Thermal [AP, LD, & TD Models Only]	
102844	Support, Circuit Board 3/8"	
102864	Screw, 6-32 x 1/4" SFHMS (U/C)	
201173	Spray Head Nut	

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Additional Replacement Parts

Part No.	Description	Image
108008	Tank Assembly, 1400W IA Series [LP, S, & TC Models Only]	
108002	Tank Lid Assembly, IA Series	
110099	Lid, Molded Plastic 6Y Tank	
108003	"O"-Ring 1/8" ID x 1/4" OD	
108441	Silicone Plug, Tank Cover Vented	
152184	Thermister Assembly	
100024	5 Hole Spray Head , SS	
100025	Spray Head Gasket	

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Additional Replacement Parts

Part No.	Description	Image
102783	Spray Head Tube, ACE Series	
100409	Brass Gasket, .520" ID Heating Element	
100190	Jam Nut, Brass 1/2"-20	
100440	HOSE CLAMP, .312" ID	
102770	Faucet with Red Handle	
102268	Seat Cup, Faucet	
100078	Bumper Foot with Screw	
201158	Solenoid Repair Kit, [102780]	

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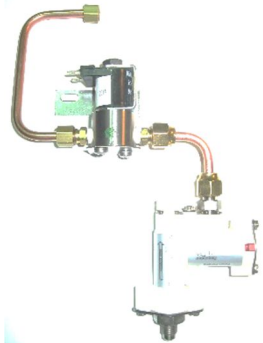
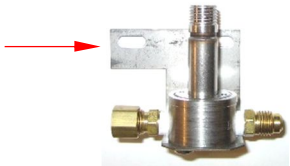
Additional Replacement Parts

Part No.	Description	Image
790019	Nylon Gasket, Flow control	
100290	Flow Control Washer, .250 GPM Red	
100187	Warming Element, 100W 120V Short	
100071	Heating Element, 1750W 120V [[AP, LD, & TD Models Only]	
108046	Control Board Assembly, Thermal IA [AP, LD, TC, & TD Models Only]	
201985	Start Switch, Black [LP & S Models Only]	
102428	Label, Half & Full IA Series [AP, LD, & TD Models Only]	
102426	Label, Face Plate 3 Sta. IA Series - Warmer [LP & S Models Only]	

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Additional Replacement Parts

Part No.	Description	Image
108050	Tank Assembly, ACE 1750W 120v ACE Plus [AP, LD, & TD Models Only]	
100008	Porcelain Plate, Black With Studs	
102191	Skinner Valve Assembly, SPDS ACE/IA	
110529	Bracket, Skinner Valve CV/Kit	
104225	Screw, 10-32 x 1/4" PPHMS Washer SS	
112050	Skinner Valve With Fittings, Spec.*	
100154	Male Connector, 1/4" F x 1/8" NPT*	

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Additional Replacement Parts

Part No.	Description	Image
100155	Male Connector, 1/4" C x 1/8" NPT with Nut	
100250	Solenoid Valve, Skinner	
704210	Tubing Assembly, Copper 1/4" x .030" x 1.31" x 2.75" x 90°	
330538	SPDS Valve, Low Flo Red FL/Plug*	
120142	Snubber, Digi II Board	
110595	Silicone Vacuum Breaker	
111635	Hose Clamp, .574 ID	
111445	Server, 1.9L Short Thermal	

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