



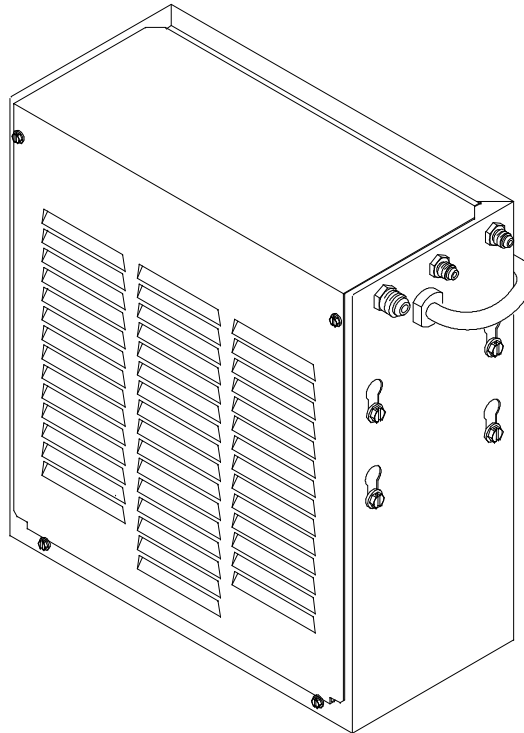
IMI CORNELIUS INC.
One Cornelius Place
Anoka, MN. 55303-6234
Telephone 1-800-238-3600
Facsimile 1-800-258-0255

ILLUSTRATED PARTS LIST

VA13 CARBONATOR

MODEL NO.

416411-xxx
496411-xxx
1621





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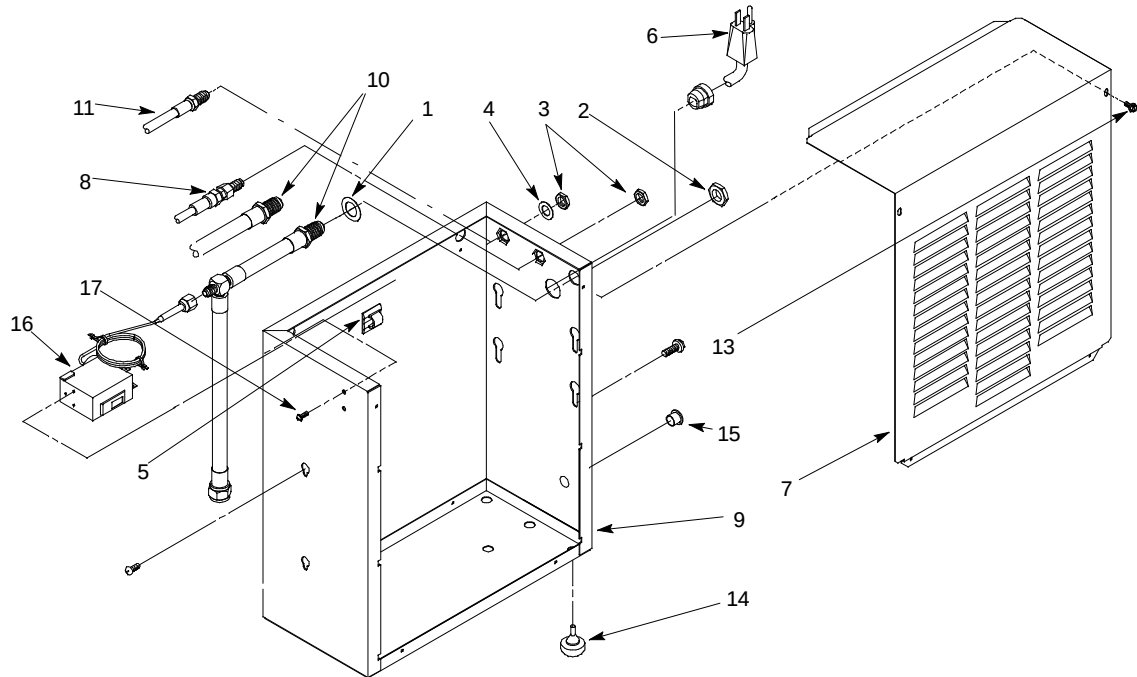


FIGURE 1. VA13 CARBONATOR CABINET ASSEMBLY

Item No.	Part No.	Name
1	151281000	Washer, .640 I.D.
2	160155000	Hex, Nut, 5/8-18
3	186768000	Hex, Nut, 7/16-20
4	311279000	Washer, .448 I.D.
5	313736000	Clip, Guide
6	164704020 309834020 139265320 560001467	Service Cord, 115V 60HZ Service Cord, 230V 50HZ Service Cord, Austria Service Cord, CE
7	3829	Cover, Cabinet
8	318018006	Tube Ass'y with Check Valve (See Figure 4)
9	4280	Cabinet

Item No.	Part No.	Name
10	3957 3425	Tube Ass'y Plain Water (See Figure 6) Tube Ass'y Plain Water (See Figure 3)
11	318029000	Tube Ass'y (See Figure 7)
12	319453000 3231	Strain Relief Strain Relief (Germany)
13	319941000	Thread Rolling Screw, Hex Washer Hd., 1/4-20 By 3/8-In. Long
14	396115010	Foot
15	340242000	Bushing, with Vented Check Valve
16	320669000	Pressure Switch (Germany)
17	320734000	Machine Screw, Phil Pan Hd., No. 6-32 By 3/8-In. Long (Germany)



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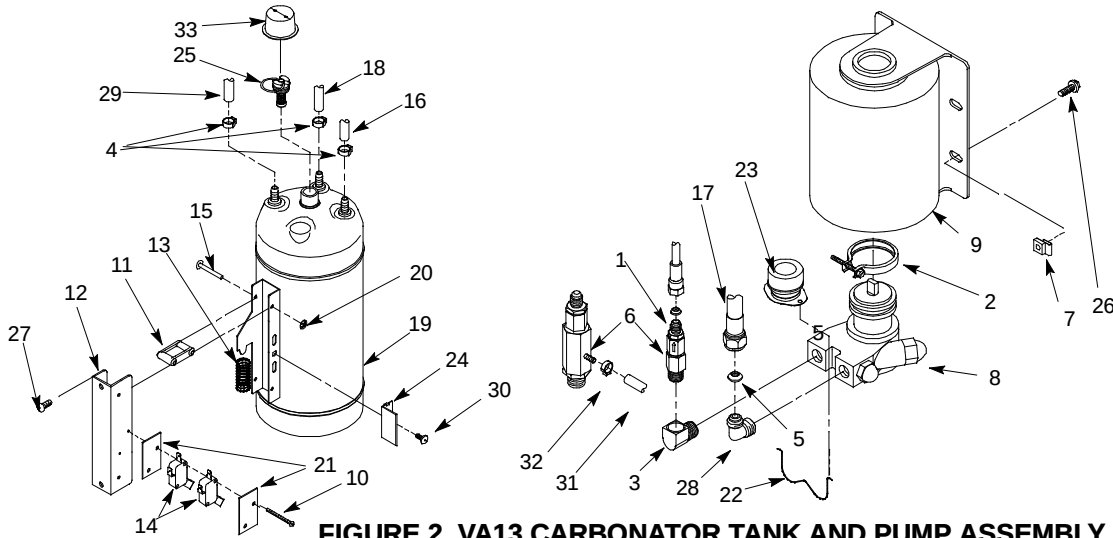


FIGURE 2. VA13 CARBONATOR TANK AND PUMP ASSEMBLY

Item No.	Part No.	Name
1	178025100	Tapered Gasket, White
2	187483000	Clamp, 2-In. Dia., Pump to Motor
3	1151	Fitting, Elbow, 3/8-MPT By 3/8-FPT
4	309854000	Clamp, For .375 O.D. Tube
5	311304000	Tapered Gasket, Black
6	3253 0881	Check Valve Ass'y (See Figure 9) Check Valve Ass'y, Vented, with Vented Check Valve
7	311855000	J-Nut, 1/4-20
8	312996000	Pump, 90-GPH
9	315183000 320626000	Motor, 115V 60 HZ Motor, 230V 50HZ
10	315961000	Machine Screw, Phil Pan Hd., No. 4-40 By 1-1/8-In. Long
11	317746000	Link
12	317747000	Bracket
13	317752000	Spring
14	317771000	Switch, Level Control
15	317772000	Pin, Link
16	318018006	Tube Ass'y with Check Valve (See Figure 3)
17	3957 3425	Tube Ass'y Plain Water (See Fig. 6) Tube Ass'y Plain Water (See Fig. 3)

Item No.	Part No.	Name
18	318029000	Tube Ass'y (See Figure 7)
19	318034000	Tank
20	318036000	Pushon Nut
21	318037000	Insulation, Micro Switch
22	318039000	Clip, Thermostat
23	318040020	Thermostat
24	318123000	Bracket, Switch
25	318362000	Stem Ass'y
26	318976000	Machine Screw, Sl. Hex Hd., No. 1/4-20 By 1/2-In Long
27	320767000	Machine Screw, Phil Pan Hd., No. 10-24 By 3/8-In Long
28	361003200	Fitting, Elbow, 3/8-MPT By 5/8-18
29	3977 1152	Tube Ass'y (See Figure) Tube Ass'y (See Figure)
30	342663000	Thread Cutting Screw, Phil Pan Hd., No. 8-32 By 3/8-In. Long
31	174083000	Tube, .156 I.D. By 120-In. Long, with Vented Check Valve
32	311527000	Clamp, For .344 O.D. Tube, with Vented Check Valve
33	317974000	Deflector, Relief Valve (Germany)



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Item No.	Part No.	Name
	3425	Tube Ass'y, Plain Water
1	77063701	Fitting, Tee, 3/8-Barb By 7/16-20
2	176205000	Nipple, For .375 I.D. Tube
3	311242000	Swivel Nut, 5/8-18
4	176204000	Ferrule, For .610 O.D. Tube
5	174292000	Tube, .375 I.D. By 5 1/8-In. Long
	174292000	Tube, .375 I.D. By 9 1/2-In. Long
6	3916	Fitting, 3/8-Barb By 5/8-18

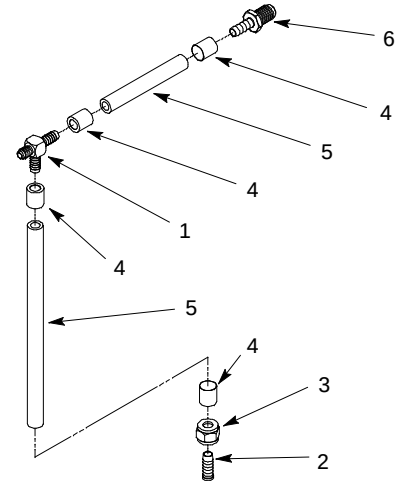


FIGURE 3. TUBE ASSEMBLY, PLAIN WATER

Item No.	Part No.	Name
	318018006	Tube Ass'y with Check Valve
1	183310000	Check Valve Ass'y (See Figure 5)
2	176017000	Swivel Nut, 7/16-20
3	770104	Nipple, For .250 I.D. Tube
4	178025100	Tapered Gasket, White
5	176001000	Ferrule, For .395 O.D. Tube
6	174103001	Tube, .250 I.D. By 8-3/4-In. Long

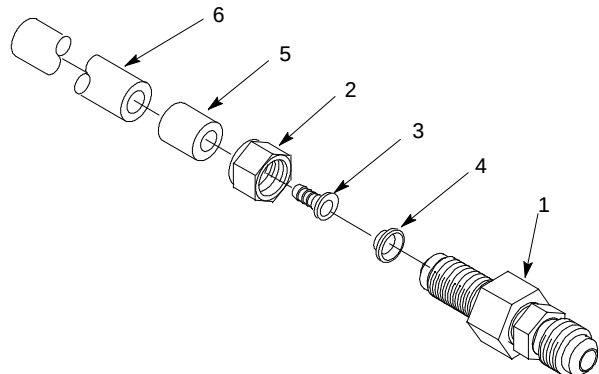


FIGURE 4. TUBE WITH CHECK VALVE ASSEMBLY

Item No.	Part No.	Name
	183310000	Check Valve Ass'y
1	183294000	Quad Ring, .145 I.D. By .070 C.S.
2	183295100	Body
3	183296000	Ball, .187 Dia.
4	183297000	Spring
5	183298000	Retainer, Spring
6	183309000	Bulkhead

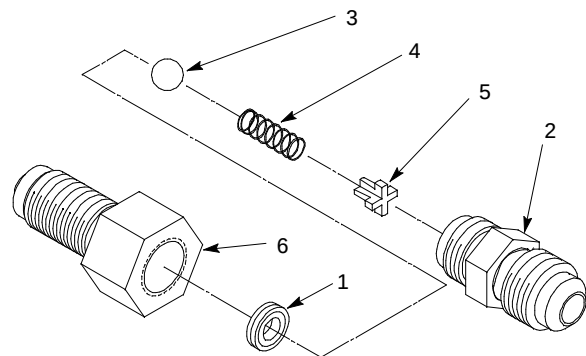


FIGURE 5. CHECK VALVE ASSEMBLY



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Item No.	Part No.	Name
	3957	Tube Ass'y, Plain Water
1	174292000	Tube, .375 I.D. By 14-3/4-In. Long
2	176204000	Ferrule, For .610 O.D. Tube
3	176205000	Nipple, For .375 I.D. Tube
4	311242000	Swivel Nut, 5/8-18
5	3916	Fitting, 3/8-Barb By 5/8-18

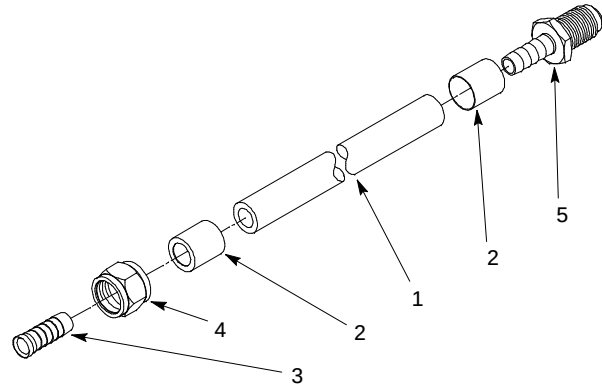


FIGURE 6. TUBE ASSEMBLY

Item No.	Part No.	Name
	318029000	Tube Ass'y
1	174103001	Tube, .250 I.D. By 9-In. Long
2	176001000	Ferrule, For .395 O.D. Tube
3	317741000	Fitting, Bulkhead

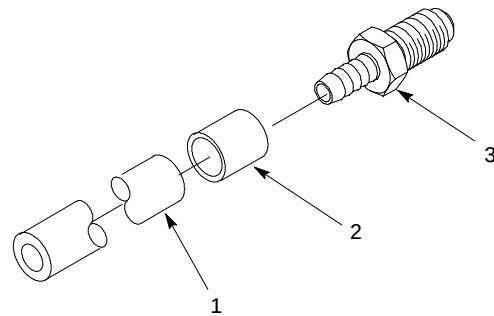


FIGURE 7. TUBE ASSEMBLY

Item No.	Part No.	Name
	3977	Tube Ass'y
	1152	Tube Ass'y
1	174103001	Tube, .250 I.D. By 12-3/4-In. Long
2	176001000	Ferrule, For .395 O.D. Tube
3	176017000	Swivel Nut, 7/16-20
	311242000	Swivel Nut, 5/8-18
4	770104	Nipple, For .250 I.D. Tube, 7/16-20
	176271000	Nipple, For .250 I.D. Tube, 5/8-18

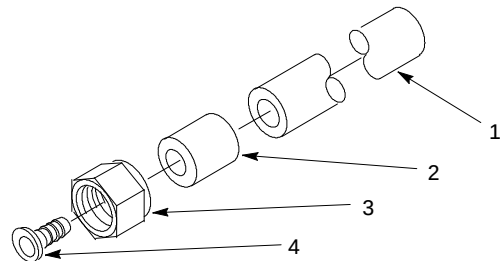


FIGURE 8. TUBE ASSEMBLY



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Item No.	Part No.	Name
	3253	Dual Check Valve Ass'y
1	560000480	Flat Washer
2	560000432	Ball Seat (O-Ring)
3	312419000	Ball
4	560000481	Spring

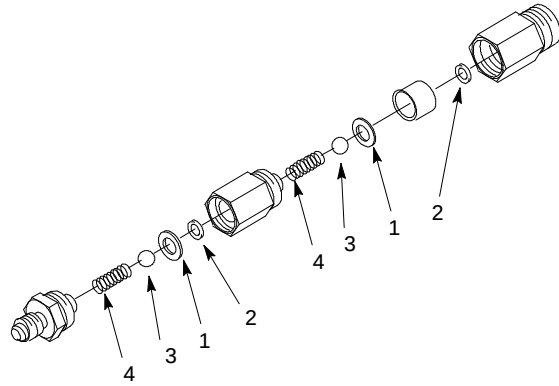


FIGURE 9. LIQUID DUAL CHECK VALVE ASSEMBLY

VA13 CARBONATOR ACCESSORIES/KITS