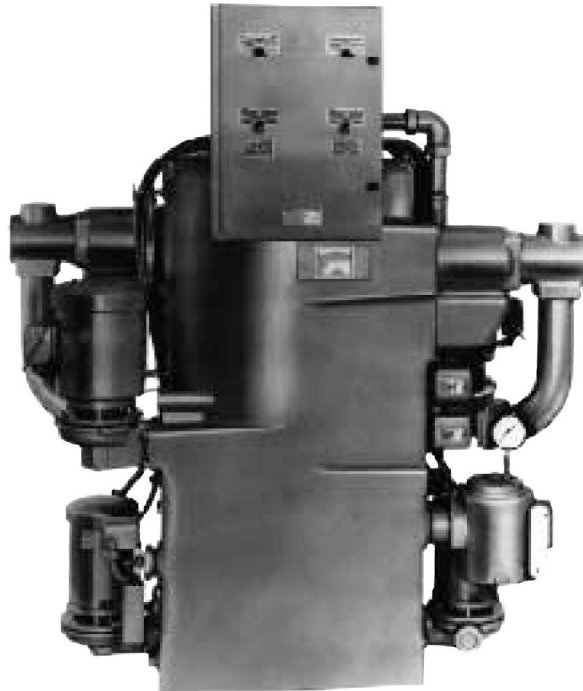


PART LISTS

DHP-330R3-PL



Replacement Parts for

Series VC and VCD Vacuum Heating Units*

*For units manufactured after 1978



Bell & Gossett

a xylem brand

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How to Use this Parts List

The unit nameplate shown on the cover identifies the unit by Model Number and Serial Number. Pump combinations are noted in the section of the nameplate labeled “Pump” and the number designation refers to either a Series C-35™ or Series C-17™ Centriflo® Condensate Pump. All pump designation numbers 609 through 627 refer to pumps operating at 3500 RPM. All pump designation numbers 650 through 673 refer to pumps operating at 1750 RPM.

All model numbers identify the following information:

- Maximum Square Feet of EDR
(i.e. 25VC or 25VCD is rated for a maximum of 25000 Square Feet of EDR)
- Condensate Pump Capacity from 5½ inches of Mercury Vacuum and Vacuum Capacity
- Simplex (i.e. VC or VCD-2, Semi-Duplex (i.e. VC or VCD-3) or Duplex (i.e. VC or VCD-4)
- Unit rated discharge pressure
- Motor Voltages
- Control voltages
- Wiring Diagrams

The following procedure is recommended for determining appropriate replacement parts.

1. By referring to the unit nameplate for the model number, use the index shown on page 2 to determine which parts selection pages are appropriate to your unit.
 - Typical units will require review of three pages:
 - The standard pump selection guide for condensate pumps.
 - The appropriate size Vacuum Pump and Vacuum Producing Components Selection Guide.
 - The Detailed Bill of Material page.
2. Typical Condensate Pumps for specified condition points are noted in tables found on pages 5 & 6.

3. The Vacuum Pump and Components for specified condition points are noted in the tables found on pages 7, 8, 9, & 10. These tables identify Bill of Material pages required to select parts and the vacuum producing components (i.e., nozzle and venturi) unique to specify duty points.
4. Refer to the drawings shown on pages 36 thru 41 to select items required. **Pump parts are detailed in the current Centriflo® Pump Parts List (C-17™-1750 RPM or C-35™-3500 RPM Pumps or the current version of Bell Gossett's ESP-Parts Program).**
5. Refer to the appropriate parts selection page to identify items by part number. Some items may be further detailed by additional drawings or more detailed information on the accessories page.

Complete replacement pump and motors may only be ordered from the factory when processed by the D/H computer program. Serial numbers for the original unit should be furnished when requested by the program to prevent delays in order processing. When ordering, please consult your Authorized Factory Representative to insure all pertinent information is furnished. **Replacement condensate pump and motor assemblies must be ordered using the pump capacities that would be attained when the pump is operating from a vented receiver.** This capacity is established at **5 PSI higher** than the discharge pressure noted on the unit nameplate. For example, if a 50VCD-4 has a rated condensate capacity of 30 gpm at 30 psi from 5½ inches of mercury vacuum, the appropriate replacement pump and motor is selected in the D/H program as a Replacement Condensate Pump with a rating of 30 gpm at **35 psi from a vented receiver** (i.e. in 3500 RPM your selection would show a 617 PF pump with a 1½ HP motor.) Selecting a pump on the basis of nameplate rating of 30 gpm at 30 psi would result in a 616 PF with a 1 HP motor that would under perform when the unit is operating from a vacuum.

Replacement Vacuum Pumps should be ordered in the D/H program as a REPLACE-MENT VACUUM ONLY PUMP (i.e. MJ, VCD,...) and will be acknowledged and name-plated showing the CFM (air removal rate) at the specified inches of mercury vacuum.

STANDARD CONDENSATE PUMPS FOR 3500 RPM APPLICATIONS

PUMP GPM	PUMP PSI	HP	C-35 MODEL#	IMP PART#	DIAM.
9	15	1/3	609	DP0321	3 ¹¹ / ₁₆
9	20	1/2	616	DP0336	4 ³ / ₁₆
9	25	3/4	616	DP0336	4 ⁷ / ₁₆
9	30	3/4	617	DP0346	4 ¹¹ / ₁₆
9	40	1	617	DP0346	5 ³ / ₁₆
9	50	2	620	DP3363	5 ¹ / ₄
9	60	2	620	DP3363	6 ¹ / ₄
12	15	1/3	609	DP0321	3 ¹¹ / ₁₆
12	20	1/2	616	DP0336	4 ³ / ₁₆
12	25	3/4	616	DP0336	4 ⁷ / ₁₆
12	30	3/4	617	DP0346	4 ¹ / ₄
12	40	1 ¹ / ₂	617	DP0346	5 ¹ / ₄
12	50	2	620	DP3363	5 ¹³ / ₁₆
12	60	3	620	DP3363	6 ³ / ₈
15	15	1/3	609	DP0321	3 ¹¹ / ₁₆
15	20	1/2	616	DP0336	4 ¹ / ₈
15	25	3/4	616	DP0336	4 ⁹ / ₁₆
15	30	1	617	DP0346	4 ¹ / ₄
15	40	1 ¹ / ₂	617	DP0346	5 ¹ / ₄
15	50	2	620	DP3363	6
15	60	3	620	DP3363	6 ³ / ₈
22	15	1/2	616	DP0336	3 ¹¹ / ₁₆
22	20	3/4	616	DP0336	4 ¹ / ₈
22	25	3/4	616	DP0336	4 ¹ / ₈
22	30	1	617	DP0346	4 ¹ / ₈
22	40	1 ¹ / ₂	617	DP0346	5 ³ / ₁₆
22	50	2	620	DP3363	5 ¹ / ₈
22	60	3	620	DP3363	6 ³ / ₈

PUMP GPM	PUMP PSI	HP	C-35 MODEL#	IMP PART#	DIAM.
30	15	3/4	616	DP0336	3 ¹³ / ₁₆
30	20	3/4	616	DP0336	4 ¹ / ₈
30	25	1	616	DP0336	4 ⁷ / ₁₆
30	30	1 ¹ / ₂	617	DP0346	4 ¹ / ₈
30	40	2	617	DP0346	5 ¹ / ₄
30	50	3	620	DP3363	6
30	60	3	620	DP3363	6 ¹ / ₂
37	15	3/4	616	DP0336	3 ¹ / ₈
37	20	1	616	DP0336	4 ¹ / ₄
37	25	1 ¹ / ₂	616	DP0336	4 ¹ / ₂
37	30	1 ¹ / ₂	617	DP0346	4 ¹ / ₈
37	40	2	617	DP0346	5 ³ / ₁₆
37	50	3	620	DP3363	5 ¹ / ₈
37	60	3	620	DP3363	6 ¹ / ₄
45	15	1	616	DP0336	4
45	20	1	616	DP0336	4 ⁵ / ₁₆
45	25	1 ¹ / ₂	616	DP0336	4 ⁹ / ₁₆
45	30	2	620	DP0346	5 ¹ / ₄
45	40	3	620	DP3363	5 ¹ / ₂
45	50	3	620	DP3363	6
45	60	5	620	DP3364	6 ³ / ₈
60	15	1 ¹ / ₂	626	DP0390	3 ¹¹ / ₁₆
60	20	1 ¹ / ₂	626	DP0390	3 ¹⁵ / ₁₆
60	25	2	626	DP0390	4 ¹ / ₄
60	30	2	626	DP0390	4 ⁹ / ₁₆
60	40	3	620	DP3363	5 ³ / ₁₆
60	50	5	620	DP3364	6 ¹ / ₈
60	60	5	620	DP3364	6 ¹ / ₂

PUMP GPM	PUMP PSI	HP	C-35 MODEL#	IMP PART#	DIAM.
75	15	1 ¹ / ₂	626	DP0390	3 ³ / ₄
75	20	1 ¹ / ₂	626	DP0390	4 ¹ / ₈
75	25	2	626	DP0390	4 ¹ / ₈
75	30	3	627	DP0400	5 ¹ / ₁₆
75	40	5	620	DP3364	5 ¹³ / ₁₆
75	50	5	620	DP3364	6 ¹⁵ / ₁₆
75	60	5	620	DP3364	6 ³ / ₈
90	15	1 ¹ / ₂	626	DP0390	3 ¹⁵ / ₁₆
90	20	2	626	DP0390	4 ¹ / ₄
90	25	3	626	DP0392	4 ⁷ / ₁₆
90	30	5	625	DP0384	4 ⁹ / ₁₆
90	40	5	613	DP0314	5 ⁹ / ₁₆
90	50	5	618	DP0354	6 ¹ / ₈
90	60	7 ¹ / ₂	618	DP0354	6 ³ / ₁₆
112	15	2	625	DP0380	3 ¹³ / ₁₆
112	20	3	625	DP0382	4 ¹ / ₈
112	25	3	625	DP0382	4 ¹ / ₈
112	30	5	613	DP0314	5 ¹ / ₂
112	40	5	618	DP0354	5 ¹ / ₈
112	50	7 ¹ / ₂	618	DP0354	6 ³ / ₈
112	60	7 ¹ / ₂	618	DP0354	6 ¹ / ₄
150	15	3	625	DP0382	4
150	20	5	625	DP0384	4 ¹ / ₄
150	25	5	625	DP0384	4 ⁹ / ₁₆
150	30	7 ¹ / ₂	618	DP0354	5 ¹ / ₄
150	40	7 ¹ / ₂	618	DP0354	6 ³ / ₁₆
150	50	10	618	DP0352	6 ¹¹ / ₁₆
150	60	10	618	DP0352	7 ¹ / ₁₆

STANDARD CONDENSATE PUMPS FOR 1750 RPM APPLICATIONS

PUMP GPM	PUMP PSI	HP	C-17 MODEL#	IMP PART#	DIAM.	PUMP GPM	PUMP PSI	HP	C-17 MODEL#	IMP PART#	DIAM.	PUMP GPM	PUMP PSI	HP	C-17 MODEL#	IMP PART#	DIAM.
9	15	1/2	650	DP1964	7	30	15	3/4	650	DP3363	7	75	15	1 1/2	673	DP3540	7 1/8
9	20	3/4	650	DP3363	7 9/16	30	20	1 1/2	673	DP3540	7 13/16	75	20	2	673	DP3540	7 1/8
9	25	1 1/2	673	DP3540	8 1/16	30	25	1 1/2	673	DP3540	8 1/16	75	25	3	673	DP3540	8 9/16
9	30	1 1/2	673	DP3540	9	30	30	2	673	DP3540	8 1/8	75	30	3	673	DP3540	9
12	15	3/4	650	DP3363	7	37	15	1	650	DP3363	7 1/8	90	15	2	673	DP3540	7 1/4
12	20	3/4	650	DP3363	7 9/16	37	20	1 1/2	673	DP3540	7 13/16	90	20	2	673	DP3540	8
12	25	1 1/2	673	DP3540	8 1/16	37	25	1 1/2	673	DP3540	8 1/16	90	25	3	673	DP3540	8 5/8
12	30	2	673	DP3540	9 1/16	37	30	2	673	DP3540	9	90	30	3	673	DP3540	9 1/16
15	15	3/4	650	DP3363	7	45	15	1	650	DP3363	7 1/16	112	15	2	673	DP3540	7 9/16
15	20	1	650	DP3363	7 9/16	45	20	1 1/2	673	DP3540	7 1/4	112	20	3	673	DP3540	8 1/16
15	25	1 1/2	673	DP3540	8 1/16	45	25	2	673	DP3540	8 1/2	112	25	3	673	DP3540	8 1/4
15	30	2	673	DP3540	9 1/16	45	30	2	673	DP3540	9	112	30	5	659	DP0455	9
22	15	3/4	650	DP3363	6 15/16	60	15	1 1/2	651	DP0424	7 9/16	140	15	3	654	DP0432	6 13/16
22	20	1	650	DP3363	7 9/16	60	20	1 1/2	673	DP3540	7 9/16	140	20	5	654	DP0432	7 1/8
22	25	1 1/2	673	DP3540	8 1/16	60	25	2	673	DP3540	8 1/2	140	25	5	654	DP0432	8 1/16
22	30	2	673	DP3540	9 1/16	60	30	3	673	DP3540	8 15/16	140	30	5	659	DP0455	9 1/16

25 VCD VACUUM PUMPS AND COMPONENTS

UNIT	HP	LOW VAC	HIGH VAC	RPM	QTY PUMPS	BILL OF MATERIAL	NOZZLE	VENTURI	STD CFM	VAC PUMP	IMPELLER DIA
25VCD	³ / ₄	5.5	10	3500	1	VCBM01	DL1376	DL1125	5.8	616	⁴ / ₈
25VCD	³ / ₄	5.5	10	3500	2	VCBM02	DL1376	DL1125	5.8	616	⁴ / ₈
25VCD	³ / ₄	15	15	3500	1	VCBM01	DL1373	DL1126	4.4	616	4
25VCD	³ / ₄	15	15	3500	2	VCBM02	DL1373	DL1126	4.4	616	4
25VCD	³ / ₄	20	28	3500	1	VCBM01	DL1373	DL1126	3.8	616	⁴ / ₁₆
25VCD	³ / ₄	20	28	3500	2	VCBM02	DL1373	DL1126	3.8	616	⁴ / ₁₆
25VCD	1	20	28	3500	1	VCBM01	DL1371	DL1164	5.2	616	⁴ / ₁₆
25VCD	1	20	28	3500	2	VCBM02	DL1371	DL1164	5.2	616	⁴ / ₁₆
25VCD	1	5.5	10	3500	1	VCBM03	DL1309	DL1162	8	626	³ / ₂
25VCD	1	5.5	10	3500	2	VCBM04	DL1309	DL1162	8	626	³ / ₂
25VCD	1	15	15	3500	1	VCBM03	DL1309	DL1164	6	626	³ / ₂
25VCD	1	15	15	3500	2	VCBM04	DL1309	DL1164	6	626	³ / ₂
25VCD	¹ / ₂	5.5	10	3500	1	VCBM03	DL1309	DL1162	12	626	⁴ / ₁₆
25VCD	¹ / ₂	5.5	10	3500	2	VCBM04	DL1309	DL1162	12	626	⁴ / ₁₆
25VCD	¹ / ₂	15	15	3500	1	VCBM03	DL1309	DL1163	9	626	⁴ / ₁₆
25VCD	¹ / ₂	15	15	3500	2	VCBM04	DL1309	DL1163	9	626	⁴ / ₁₆
25VCD	¹ / ₂	20	28	3500	1	VCBM03	DL1309	DL1163	8	626	⁴ / ₁₆
25VCD	¹ / ₂	20	28	3500	2	VCBM04	DL1309	DL1163	8	626	⁴ / ₁₆
25VCD	2	5.5	10	3500	1	VCBM03	DL1311	DL1160	17	625	³ / ₈
25VCD	2	5.5	10	3500	2	VCBM04	DL1311	DL1160	17	625	³ / ₈
25VCD	2	15	15	3500	1	VCBM03	DL1311	DL1161	14	625	³ / ₈
25VCD	2	15	15	3500	2	VCBM04	DL1311	DL1161	14	625	³ / ₈
25VCD	2	20	28	3500	1	VCBM03	DL1331	DL1161	12	625	³ / ₈
25VCD	2	20	28	3500	2	VCBM04	DL1331	DL1161	12	625	³ / ₈

50 VC(D) VACUUM PUMPS AND COMPONENTS

UNIT	HP	LOW VAC	HIGH VAC	RPM	QTY PUMPS	BILL OF MATERIAL	NOZZLE	VENTURI	STD CFM	VAC PUMP	IMPELLER DIA
50VCD	1	5.5	28	1750	1	VCBM05	obs	obs	obs	obs	obs
50VCD	1	5.5	28	1750	2	VCBM06	obs	obs	obs	obs	obs
50VCD	1.5	5.5	28	1750	1	VCBM05	obs	obs	obs	obs	obs
50VCD	1.5	5.5	28	1750	2	VCBM06	obs	obs	obs	obs	obs
50VCD	2	5.5	10	1750	1	VCBM05	DL1327	DL1174	20	654	6 ³ / ₈
50VCD	2	5.5	10	1750	2	VCBM06	DL1327	DL1174	20	654	6 ³ / ₈
50VCD	2	15	15	1750	1	VCBM05	DL1327	DL1173	14	654	6 ³ / ₈
50VCD	2	15	15	1750	2	VCBM06	DL1327	DL1173	14	654	6 ³ / ₈
50VCD	2	20	28	1750	1	VCBM05	DL1324	DL1172	12	654	6 ³ / ₈
50VCD	2	20	28	1750	2	VCBM06	DL1324	DL1172	12	654	6 ³ / ₈
50VCD	3	5.5	10	1750	1	VCBM05	DL1330	DL1182	32	654	7 ¹ / ₈
50VCD	3	5.5	10	1750	2	VCBM06	DL1330	DL1182	32	654	7 ¹ / ₈
50VCD	3	15	15	1750	1	VCBM05	DL1330	DL1182	23	654	7 ¹ / ₈
50VCD	3	15	15	1750	2	VCBM06	DL1330	DL1182	23	654	7 ¹ / ₈
50VCD	3	20	28	1750	1	VCBM05	DL1329	DL1181	22	654	7 ³ / ₁₆
50VCD	3	20	28	1750	2	VCBM06	DL1329	DL1181	22	654	7 ³ / ₁₆
50VCD	1.5	5.5	10	3500	1	VCBM07	DL1337	DL1192	14	626	3 ¹ / ₈
50VCD	1.5	5.5	10	3500	2	VCBM08	DL1337	DL1192	14	626	3 ¹ / ₈
50VCD	1.5	15	15	3500	1	VCBM07	DL1337	DL1192	9	626	3 ¹ / ₈
50VCD	1.5	15	15	3500	2	VCBM08	DL1337	DL1192	9	626	3 ¹ / ₈
50VCD	1.5	20	28	3500	1	VCBM07	DL1335	DL1191	9	626	3 ¹ / ₈
50VCD	1.5	20	28	3500	2	VCBM08	DL1335	DL1191	9	626	3 ¹ / ₈
50VCD	2	5.5	10	3500	1	VCBM07	DL1318	DL1174	21	625	3 ³ / ₄
50VCD	2	5.5	10	3500	2	VCBM08	DL1318	DL1174	21	625	3 ³ / ₄
50VCD	2	15	15	3500	1	VCBM07	DL1318	DL1174	15	625	3 ³ / ₄
50VCD	2	15	15	3500	2	VCBM08	DL1318	DL1174	15	625	3 ³ / ₄
50VCD	2	20	28	3500	1	VCBM07	DL1325	DL1175	12	626	4 ³ / ₈
50VCD	2	20	28	3500	2	VCBM08	DL1325	DL1175	12	626	4 ³ / ₈
50VCD	3	5.5	10	3500	1	VCBM07	DL1328	DL1183	28	625	4 ¹ / ₄
50VCD	3	5.5	10	3500	2	VCBM08	DL1328	DL1183	28	625	4 ¹ / ₄
50VCD	3	15	15	3500	1	VCBM07	DL1328	DL1183	20	625	4 ¹ / ₄
50VCD	3	15	15	3500	2	VCBM08	DL1328	DL1183	20	625	4 ¹ / ₄
50VCD	3	20	28	3500	1	VCBM07	DL1318	DL1171	17.5	625	4 ¹ / ₄
50VCD	3	20	28	3500	2	VCBM08	DL1318	DL1171	17.5	625	4 ¹ / ₄

100 VC(D) VACUUM PUMPS AND COMPONENTS

UNIT	HP	LOW VAC	HIGH VAC	RPM	QTY PUMPS	BILL OF MATERIAL	NOZZLE	VENTURI	STD CFM	VAC PUMP	IMPELLER DIA
100VCD	2	5.5	10	1750	1	VCBM09	DL1327	DL1174	20	654	6 ³ / ₈
100VCD	2	5.5	10	1750	2	VCBM10	DL1327	DL1174	20	654	6 ³ / ₈
100VCD	2	15	15	1750	1	VCBM09	DL1327	DL1173	14	654	6 ³ / ₈
100VCD	2	15	15	1750	2	VCBM10	DL1327	DL1173	14	654	6 ³ / ₈
100VCD	2	20	28	1750	1	VCBM09	DL1324	DL1172	12	654	6 ³ / ₈
100VCD	2	20	28	1750	2	VCBM10	DL1324	DL1172	12	654	6 ³ / ₈
100VCD	3	5.5	10	1750	1	VCBM09	DL1330	DL1182	32	654	7 ¹ / ₈
100VCD	3	5.5	10	1750	2	VCBM10	DL1330	DL1182	32	654	7 ¹ / ₈
100VCD	3	15	15	1750	1	VCBM09	DL1330	DL1182	23	654	7 ¹ / ₈
100VCD	3	15	15	1750	2	VCBM10	DL1330	DL1182	23	654	7 ¹ / ₈
100VCD	3	20	28	1750	1	VCBM09	DL1329	DL1181	22	654	7 ³ / ₁₆
100VCD	3	20	28	1750	2	VCBM10	DL1329	DL1181	22	654	7 ³ / ₁₆
100VCD	5	5.5	10	1750	1	VCBM13	DL2060	DL1211	52	654	7 ¹⁵ / ₁₆
100VCD	5	5.5	10	1750	2	VCBM14	DL2060	DL1211	52	654	7 ¹⁵ / ₁₆
100VCD	5	15	15	1750	1	VCBM13	DL1329	DL1211	43	654	7 ¹⁵ / ₁₆
100VCD	5	15	15	1750	2	VCBM14	DL1329	DL1211	43	654	7 ¹⁵ / ₁₆
100VCD	5	20	28	1750	1	VCBM13	DL1329	DL1211	42	654	7 ¹⁵ / ₁₆
100VCD	5	20	28	1750	2	VCBM14	DL1329	DL1211	42	654	7 ¹⁵ / ₁₆
100VCD	7 ¹ / ₂	5.5	10	1750	1	VCBM15	DL1356	DL1214	74	658	8 ¹ / ₂
100VCD	7 ¹ / ₂	5.5	10	1750	2	VCBM16	DL1356	DL1214	74	658	8 ¹ / ₂
100VCD	7 ¹ / ₂	15	15	1750	1	VCBM15	DL1354	DL1214	64	658	8 ⁷ / ₁₆
100VCD	7 ¹ / ₂	15	15	1750	2	VCBM16	DL1354	DL1214	64	658	8 ⁷ / ₁₆
100VCD	7 ¹ / ₂	20	28	1750	1	VCBM15	DL1354	DL1213	60	658	8 ⁷ / ₁₆
100VCD	7 ¹ / ₂	20	28	1750	2	VCBM16	DL1354	DL1213	60	658	8 ⁷ / ₁₆
100VCD	1 ¹ / ₂	5.5	10	3500	1	VCBM11	DL1337	DL1192	14	626	3 ³ / ₈
100VCD	1 ¹ / ₂	5.5	10	3500	2	VCBM12	DL1337	DL1192	14	626	3 ³ / ₈
100VCD	1 ¹ / ₂	15	15	3500	1	VCBM11	DL1337	DL1192	9	626	3 ³ / ₈
100VCD	1 ¹ / ₂	15	15	3500	2	VCBM12	DL1337	DL1192	9	626	3 ³ / ₈
100VCD	1 ¹ / ₂	20	28	3500	1	VCBM11	DL1335	DL1191	9	626	3 ³ / ₈
100VCD	1 ¹ / ₂	20	28	3500	2	VCBM12	DL1335	DL1191	9	626	3 ³ / ₈
100VCD	2	5.5	10	3500	1	VCBM11	DL1318	DL1174	21	625	3 ³ / ₄
100VCD	2	5.5	10	3500	2	VCBM12	DL1318	DL1174	21	625	3 ³ / ₄
100VCD	2	15	15	3500	1	VCBM11	DL1318	DL1174	15	625	3 ³ / ₄
100VCD	2	15	15	3500	2	VCBM12	DL1318	DL1174	15	625	3 ³ / ₄
100VCD	2	20	28	3500	1	VCBM11	DL1325	DL1175	12	626	4 ³ / ₈
100VCD	2	20	28	3500	2	VCBM12	DL1325	DL1175	12	626	4 ³ / ₈
100VCD	3	5.5	10	3500	1	VCBM11	DL1328	DL1183	28	625	4 ¹ / ₄
100VCD	3	5.5	10	3500	2	VCBM12	DL1328	DL1183	28	625	4 ¹ / ₄
100VCD	3	15	15	3500	1	VCBM11	DL1328	DL1183	20	625	4 ¹ / ₄
100VCD	3	15	15	3500	2	VCBM12	DL1328	DL1183	20	625	4 ¹ / ₄
100VCD	3	20	28	3500	1	VCBM11	DL1318	DL1171	17.5	625	4 ¹ / ₄
100VCD	3	20	28	3500	2	VCBM12	DL1318	DL1171	17.5	625	4 ¹ / ₄

150 VC(D) VACUUM PUMPS AND COMPONENTS

UNIT	HP	LOW VAC	HIGH VAC	RPM	QTY PUMPS	BILL OF MATERIAL	NOZZLE	VENTURI	STD CFM	VAC PUMP	IMPELLER DIA
150VCD	2	5.5	10	3500	1	VCBM19	DL1318	DL1174	21	625	3/4
150VCD	2	5.5	10	3500	2	VCBM20	DL1318	DL1174	21	625	3/4
150VCD	2	15	15	3500	1	VCBM19	DL1318	DL1174	15	625	3/4
150VCD	2	15	15	3500	2	VCBM20	DL1318	DL1174	15	625	3/4
150VCD	2	20	28	3500	1	VCBM19	DL1325	DL1175	12	626	4/8
150VCD	2	20	28	3500	2	VCBM20	DL1325	DL1175	12	626	4/8
150VCD	3	5.5	10	3500	1	VCBM19	DL1328	DL1183	28	625	4/4
150VCD	3	5.5	10	3500	2	VCBM20	DL1328	DL1183	28	625	4/4
150VCD	3	15	15	3500	1	VCBM19	DL1328	DL1183	20	625	4/4
150VCD	3	15	15	3500	2	VCBM20	DL1328	DL1183	20	625	4/4
150VCD	3	20	28	3500	1	VCBM19	DL1318	DL1171	17.5	625	4/4
150VCD	3	20	28	3500	2	VCBM20	DL1318	DL1171	17.5	625	4/4
150VCD	3	5.5	10	1750	1	VCBM17	DL1330	DL1182	32	654	7/8
150VCD	3	5.5	10	1750	2	VCBM18	DL1330	DL1182	32	654	7/8
150VCD	3	15	15	1750	1	VCBM17	DL1330	DL1182	23	654	7/8
150VCD	3	15	15	1750	2	VCBM18	DL1330	DL1182	23	654	7/8
150VCD	3	20	28	1750	1	VCBM17	DL1329	DL1181	22	654	7/16
150VCD	3	20	28	1750	2	VCBM18	DL1329	DL1181	22	654	7/16
150VCD	5	5.5	10	1750	1	VCBM21	DL2060	DL1211	52	654	7/16
150VCD	5	5.5	10	1750	2	VCBM22	DL2060	DL1211	52	654	7/16
150VCD	5	15	15	1750	1	VCBM21	DL1329	DL1211	43	654	7/16
150VCD	5	15	15	1750	2	VCBM22	DL1329	DL1211	43	654	7/16
150VCD	5	20	28	1750	1	VCBM21	DL1329	DL1211	42	654	7/16
150VCD	5	20	28	1750	2	VCBM22	DL1329	DL1211	42	654	7/16
150VCD	7 1/2	5.5	10	1750	1	VCBM23	DL1356	DL1214	74	658	8 1/2
150VCD	7 1/2	5.5	10	1750	2	VCBM24	DL1356	DL1214	74	658	8 1/2
150VCD	7 1/2	15	15	1750	1	VCBM23	DL1354	DL1214	64	658	8 1/16
150VCD	7 1/2	15	15	1750	2	VCBM24	DL1354	DL1214	64	658	8 1/16
150VCD	7 1/2	20	28	1750	1	VCBM23	DL1354	DL1213	60	658	8 1/16
150VCD	7 1/2	20	28	1750	2	VCBM24	DL1354	DL1213	60	658	8 1/16

VCBM01

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM01	
8	Receiver	DR0280	1
see detail*	Float Switch Asm (for make-up)	DL1541	1
15	Air Vent	DL0596	1
51	Air Vent Gasket	DG0001	1
38*	Water Gauge Glass Asm	DV0370	1
3	Check Valve	DV0080	1
10	Nozzle Body	DL1422	1
21	Nozzle Retaining Ring	DL0201	1
11	Nozzle Body Cover	DL1452	1
13	Check Valve Housing	DV0124	1
46	Nozzle Body Gasket	DG0152	2
49	Air Suction Flange Gasket	DG0115	2
47	Nozzle Body Cover Gasket	DG0149	1
75*76	Capscrew	J92292	4
50	Lift Pipe Gasket	DG0140	1
45	Case to Receiver Gasket	DG0060	4
12	Dresser Elbow	DF0123	1
	Pipe	DL0286	1
	Pipe	DL0298	1
see detail*	Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	1
	Temperature Limit Switch	DA0280	
	Temperature Limit Switch Well	DA0281	
	Temperature Limit Switch	DA0269	
35	Angle Thermometer	DA0104	2
43	Compression Fitting	DF0506	1
	Compression Fitting	DF0511	1
71	Copper Tube	X42104	1
14	Float Switch Mounting Flange	DA0200	1
52	Float Switch Flange Gasket	DG0131	1
4	Inlet Basket Strainer	DA0181	1
53	Pipe Nipple	DL0362	1
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
39*	Gauge Glass Assembly	DV0373	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
57	Pipe Nipple	DL0022	1
	Lifting Eye	DJ0322	

*Detail of accessories located on page 34.

VCBM02

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM02	
8	Receiver	DR0280	1
see detail*	Float Switch Asm (for make-up)	DL1541	1
15	Air Vent	DL0596	1
51	Air Vent Gasket	DG0001	1
38*	Water Gauge Glass Asm	DV0370	1
3	Check Valve	DV0080	2
10	Nozzle Body	DL1422	2
21	Snap Ring	DL0201	2
11	Nozzle Body Cover	DL1452	2
13	Check Valve Housing	DV0124	2
46	Nozzle Body Gasket	DG0152	2
49	Air Suction Flange Gasket	DG0115	2
47	Nozzle Body Cover Gasket	DG0149	2
75*76	Capscrew	J92292	22
50	Lift Pipe Gasket	DG0140	2
45	Case to Receiver Gasket	DG0060	4
12	Dresser Elbow	DF0123	2
	Pipe	DL0286	2
	Pipe	DL0298	2
see detail*	Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	2
	Temperature Limit Switch	DA0280	
	Temperature Limit Switch Well	DA0281	
	Temperature Limit Switch	DA0269	
35	Angle Thermometer	DA0104	2
43	Compression Fitting	DF0506	2
	Compression Fitting	DF0511	2
71	Copper Tube	X42104	2
14	Float Switch Mounting Flange	DA0200	1
52	Float Switch Flange Gasket	DG0131	1
4	Inlet Basket Strainer	DA0181	1
53	Pipe Nipple	DL0362	1
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
39*	Gauge Glass Assembly	DV0373	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
57	Pipe Nipple	DL0022	1
39	Capscrew	DJ0024	4

*Detail of accessories located on page 34.

VCBM03

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM03	
8	Receiver	DR0280	1
see detail*	Float Switch Asm (for make-up)	DL1541	1
15	Air Vent	DL0596	1
51	Air Vent Gasket	DG0001	1
38*	Water Gauge Glass Asm	DV0370	1
3	Check Valve	DV0080	1
10	Nozzle Body	DL1428	1
21	Snap Ring	DL1485	1
11	Nozzle Body Cover	DL1452	1
13	Check Valve Housing	DV0124	1
46	Nozzle Body Gasket	DG0152	2
49	Air Suction Flange Gasket	DG0115	2
47	Nozzle Body Cover Gasket	DG0149	1
75*76	Capscrew	J92291	14
50	Lift Pipe Gasket	DG0140	1
45	Case to Receiver Gasket	DG0060	4
12	Manifold Elbow	DL1716	1
see detail*	Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	1
	Temperature Limit Switch	DA0280	
	Temperature Limit Switch Well	DA0281	
	Temperature Limit Switch	DA0269	
35	Angle Thermometer	DA0104	2
43	Compression Fitting	DF0506	1
	Compression Fitting	DF0511	1
71	Copper Tube	X42104	1
14	Float Switch Mounting Flange	DA0200	1
52	Float Switch Flange Gasket	DG0131	1
4	Inlet Basket Strainer	DA0181	1
53	Pipe Nipple	J89347	1
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
39*	Gauge Glass Assembly	DV0373	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
57	Pipe Nipple	DL0022	1
39	Capscrew	DJ0024	4
	Lifting Eye	DJ0322	

*Detail of accessories located on page 34.

VCBM04

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM04	
8	Receiver	DR0280	1
see detail*	Float Switch Asm (for make-up)	DL1541	1
15	Air Vent	DL0596	1
51	Air Vent Gasket	DG0001	1
38*	Water Gauge Glass Asm	DV0370	1
3	Check Valve	DV0080	2
10	Nozzle Body	DL1428	2
21	Nozzle Retaining Ring	DL1485	2
11	Nozzle Body Cover	DL1452	2
13	Check Valve Housing	DV0124	2
46	Nozzle Body Gasket	DG0152	2
49	Air Suction Flange Gasket	DG0115	2
47	Nozzle Body Cover Gasket	DG0149	2
75*76	Capscrew	J92291	22
50	Lift Pipe Gasket	DG0140	2
45	Case to Receiver Gasket	DG0060	4
12	Manifold Elbow	DL1716	2
see detail*	Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	2
	Temperature Limit Switch	DA0280	
	Temperature Limit Switch Well	DA0281	
	Temperature Limit Switch	DA0269	
35	Angle Thermometer	DA0104	2
43	Compression Fitting	DF0506	2
	Compression Fitting	DF0511	2
71	Copper Tube	X42104	2
14	Float Switch Mounting Flange	DA0200	1
52	Float Switch Flange Gasket	DG0131	1
4	Inlet Basket Strainer	DA0181	1
53	Pipe Nipple	J89347	1
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
39*	Gauge Glass Assembly	DV0373	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
57	Pipe Nipple	DL0022	1
	Lifting Eye	DJ0322	

*Detail of accessories located on page 34.

VCBM05

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM05	
8	Receiver	DR0282	1
see detail*	Float Switch Asm (for make-up)	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
38*	Water Gauge Glass Asm	DV0378	1
12	Discharge Manifold Body	DL1476	1
16	Cover Plate	DA0150	1
49	Discharge Manifold Gasket	DG0151	1
47	Cover Gasket	DG0127	1
3	Check Valve Assembly	DV0081	1
19	Manifold Insert	DL1702	1
10	Nozzle Body	DL1437	1
46	Nozzle Body Gasket	DG0153	2
21	Nozzle Retaining Ring	DL1486	1
17	Manifold Elbow	DL1722	1
	Flange Gasket	DG0070	2
48	Manifold Elbow Gasket	DG0142	2
45	Case to Receiver Gasket	DG0060	4
	Nozzle Body Cover Plate	DL1480	1
	Blind Flange	DF0210	1
see detail*	Water Make Up Assembly (115 V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
42	Elbow	DF0507	1
43	Connector	DF0510	1
71	Copper Tubing	X42104	1
32	Vacuum Switch	DE0987	1
35	Angle Thermometer	DA0104	2
	Temperature Limit Switch	DA0280	
	Temperature Limit Switch Well	DA0281	
	Temperature Limit Switch	DA0269	
4	Basket Strainer Assembly	DA0182	1
6	Mechanical Alternator	DA0361	1
	Alternate Choice	—OR—	
6	Float Switch Asm	DA0393	
39*	Gauge Glass Assembly	DV0380	1
36	Pressure Gauge Assembly	DA0114	1
41	Gage Cock	DV0325	1
	Lifting Eyes	DJ0322	

*Detail of accessories located on page 34.

VCBM06

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM06	
8	Receiver	DR0282	1
see detail*	Float Switch Asm (for make-up)	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
38*	Water Gauge Glass Asm	DV0378	1
12	Discharge Manifold Body	DL1476	2
16	Cover Plate	DA0150	2
49	Discharge Manifold Gasket	DG0151	2
47	Cover Gasket	DG0127	2
3	Check Valve Assembly	DV0081	2
19	Manifold Insert	DL1702	2
10	Nozzle Body	DL1437	2
46	Nozzle Body Gasket	DG0153	2
21	Nozzle Retaining Ring	DL1486	2
17	Manifold Elbow	DL1722	2
	Flange Gasket	DG0070	2
48	Manifold Elbow Gasket	DG0142	4
45	Case to Receiver Gasket	DG0060	4
see detail*	Water Make Up Assembly (115 V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
42	Elbow	DF0507	1
43	Connector	DF0510	1
71	Copper Tubing	X42104	1
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
	Temperature Limit Switch	DA0280	
	Temperature Limit Switch Well	DA0281	
	Temperature Limit Switch	DA0269	
4	Basket Strainer Assembly	DA0182	1
6	Mechanical Alternator	DA0361	1
	Alternate Choice	—OR—	
6	Float Switch Asm	DA0393	
39*	Gauge Glass Assembly	DV0380	1
36	Pressure Gauge Assembly	DA0114	1
41	Gage Cock	DV0325	1
	Pipe Nipple	DL0022	1
	Pipe Nipple	DL0153	1
	Lifting Eyes	DJ0322	

*Detail of accessories located on page 34.

VCBM07

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM07	
8	Receiver	DR0282	1
see detail*	Float Switch Asm (for make-up)	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
38*	Water Gauge Glass Asm	DV0378	1
12	Discharge Manifold Body	DL1476	1
16	Cover Plate	DA0150	1
49	Discharge Manifold Gasket	DG0151	1
47	Cover Gasket	DG0127	1
3	Check Valve Assembly	DV0081	1
19	Manifold Insert	DL1702	1
10	Nozzle Body	DL1437	1
46	Nozzle Body Gasket	DG0153	2
21	Nozzle Retaining Ring	DL1486	1
17	Manifold Elbow	DL1724	1
18	Manifold Elbow	DL1720	1
48	Manifold Elbow Gasket	DG0142	2
45	Case to Receiver Gasket	DG0060	4
	Blind Flange (Nozzle Body)	DL1480	1
	Blind Flange (Pump)	DF0210	1
see detail*	Water Make Up Assembly (115 V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
42	Elbow	DF0507	1
43	Connector	DF0510	1
71	Copper Tubing	X42104	1
32	Vacuum Switch	DE0987	1
35	Angle Thermometer	DA0104	2
	Temperature Limit Switch	DA0280	
	Temperature Limit Switch Well	DA0281	
	Temperature Limit Switch	DA0269	
4	Basket Strainer Assembly	DA0182	1
6	Mechanical Alternator	DA0361	
	Alternate Choice	—OR—	
6	Float Switch Asm	DA0393	
39*	Gauge Glass Assembly	DV0380	1
36	Pressure Gauge Assembly	DA0114	1
41	Gage Cock	DV0325	1
	Pipe Nipple	DL0022	1
	Pipe Nipple	DL0153	1
	Lifting Eyes	DJ0322	

*Detail of accessories located on page 34.

VCBM08

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM08	
8	Receiver	DR0282	1
see detail*	Float Switch Asm (for make-up)	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
38*	Water Gauge Glass Asm	DV0378	1
12	Discharge Manifold Body	DL1476	2
16	Cover Plate	DA0150	2
49	Discharge Manifold Gasket	DG0151	2
47	Cover Gasket	DG0127	2
3	Check Valve Assembly	DV0081	2
19	Manifold Insert	DL1702	2
10	Nozzle Body	DL1437	2
46	Nozzle Body Gasket	DG0153	2
21	Nozzle Retaining Ring	DL1486	2
17	Manifold Elbow	DL1724	2
18	Manifold Elbow	DL1720	2
48	Manifold Gasket	DG0142	4
45	Case to Receiver Gasket	DG0060	4
see detail*	Water Make Up Assembly (115 V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
42	Elbow	DF0507	1
43	Connector	DF0510	1
71	Copper Tubing	X42104	2
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
	Temperature Limit Switch	DA0280	
	Temperature Limit Switch Well	DA0281	
	Temperature Limit Switch	DA0269	
4	Basket Strainer Assembly	DA0182	1
6	Mechanical Alternator	DA0361	
	Alternate Choice	—OR—	
6	Float Switch Asm	DA0393	
39*	Gauge Glass Assembly	DV0380	1
36	Pressure Gauge Assembly	DA0114	1
41	Gage Cock	DV0325	1
	Pipe Nipple	DL0022	1
	Pipe Nipple	DL0153	1
	Lifting Eyes	DJ0322	

*Detail of accessories located on page 34.

VCBM09

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM09	
1	Receiver	DR0272	1
see detail*	Float Switch Assembly	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	1
11	Discharge Manifold Cover Plate	DA0150	1
49	Discharge Manifold Gasket	DG0151	1
56	Discharge Manifold Cover Gasket	DG0127	1
3	Check Valve Assembly	DV0081	1
	Check Valve Mounting Flange	DV0121	1
9	Insert	DL1702	1
49	Check Valve Mounting Flange Gasket	DG0116	1
10	Nozzle Body	DL1446	1
46	Nozzle Body Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1486	1
12	Manifold Elbow	DL1722	2
13	Manifold Elbow Gasket	DG0142	4
45	Case to Receiver Gasket	DG0060	3
	Flange Gasket	DG0070	4
20	Suction Pipe	DL0614	1
7	Compression Flange	DF0487	2
6	O-Ring	DG0203	2
see detail*	Water Make-up (115V)	DE0872	1
	Alternate Choice	—OR—	
see detail*	Water Make-up (208V & 230V)	DE0873	1
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
42	Fitting	DF0506	2
43	Fitting	DF0507	1
71	Copper Tubing	X42104	2
70	Temperature Limit Switch	DA0280	1
	Alternate Choice	—OR—	
70	Temperature Limit Switch	DA0269	1
	Well (For DA0280)	DA0281	1
8	Receiver 100 Gallon	DR0290	1
4	Basket Strainer Assembly	DA0183	1
6	Float Switch Assembly	DA0393	2
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	1
38*	Water Level Gauge Glass Assembly	DV0375	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
	Panel Bracket	DE0076	2
	Clamp	DL0018	2
23	Pipe (8.875 inches long)	X42707	2
	Panel Bracket Support (for FD or CB)	DE0935	2
	Panel Bracket	DE0938	1

*Detail of accessories located on page 34.

VCBM10

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM10	
1	Receiver	DR0272	1
see detail*	Float Switch Assembly	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	2
11	Discharge Manifold Cover Plate	DA0150	2
49	Discharge Manifold Gasket	DG0151	2
56	Discharge Manifold Cover Gasket	DG0127	2
3	Check Valve Assembly	DV0081	2
	Check Valve Mounting Flange	DV0121	2
9	Insert	DL1702	2
49	Check Valve Mounting Flange Gasket	DG0116	2
10	Nozzle Body	DL1446	2
46	Nozzle Body Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1486	2
12	Manifold Elbow	DL1722	2
13	Manifold Elbow Gasket	DG0142	4
45	Case to Receiver Gasket	DG0060	4
	Flange Gasket	DG0070	4
20	Suction Pipe	DL0614	3
7	Compression Flange	DF0487	4
6	O-Ring	DG0203	4
see detail*	Water Make-up (115V)	DE0872	1
	Alternate Choice	—OR—	
see detail*	Water Make-up (208V & 230V)	DE0873	1
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
42	Fitting	DF0506	2
43	Fitting	DF0507	2
71	Tubing (in feet)	X42104	2
70	Temperature Limit Switch	DA0280	1
	Alternate Choice	—OR—	
70	Temperature Limit Switch	DA0269	1
MISC	Well (For DA0280)	DA0281	1
8	Receiver 100 Gallon	DR0290	1
4	Basket Strainer Assembly	DA0183	1
6	Float Switch Assembly	DA0393	1
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	2
38*	Water Level Gauge Glass Assembly	DV0375	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
	Panel Bracket	DE0076	2
23	Pipe (8.875 inches long)	X42707	2
	Panel Bracket Support (for FD or CB)	DE0935	2
	Panel Bracket	DE0938	1

*Detail of accessories located on page 34.

VCBM11

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM12	
1	Receiver	DR0272	1
see detail*	Float Switch Assembly	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	1
11	Discharge Manifold Cover Plate	DA0150	1
49	Discharge Manifold Cover Plate Gasket	DG0151	1
56	Cover Flange Gasket	DG0127	1
3	Check Valve Assembly	DV0081	1
	Check Valve Mounting Flange	DV0121	1
9	Manifold Insert	DL1702	1
49	Check Valve Mounting Flange Gasket	DG0116	1
10	Nozzle Body	DL1446	1
46	Nozzle Body Gasket	DG0150	1
21	Nozzle Retaining Ring	DL1486	1
12	Manifold Elbow 90 deg.	DL1724	1
12A	Manifold Elbow 50 deg.	DL1720	1
13	Manifold Elbow Gasket	DG0142	2
45	Case to Receiver Gasket	DG0060	4
	Flange Gasket	DG0070	2
20	Suction Pipe	DL0614	1
7	Compression Flange	DF0487	2
6	"O" Ring	DG0203	2
	Water Make-up (115V)	DE0872	
	Alternate Choice	—OR—	
	Water Make-up (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	1
35	Angle Thermometer	DA0104	2
42	Fitting	DF0506	1
43	Fitting	DF0507	1
71	Tubing (in feet)	X42104	2
70	Temperature Limit Switch	DA0280	
	Alternate Choice	—OR—	
70	Temperature Limit Switch	DA0269	
	Well (For DA0280)	DA0281	
8	Receiver 100 Gallon	DR0290	1
4	Inlet Basket Strainer Assembly	DA0183	1
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
38*	Water Level Gauge Glass Assembly	DV0375	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
23	Pipe (cut to 8.875" Long)	X42707	2

*Detail of accessories located on page 34.

VCBM12

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM12	
1	Receiver	DR0272	1
see detail*	Float Switch Assembly	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	2
11	Discharge Manifold Cover Plate	DA0150	2
49	Discharge Manifold Cover Plate Gasket	DG0151	2
56	Cover Flange Gasket	DG0127	2
3	Check Valve Assembly	DV0081	2
	Check Valve Mounting Flange	DV0121	2
9	Manifold Insert	DL1702	2
49	Check Valve Mounting Flange Gasket	DG0116	2
10	Nozzle Body	DL1446	2
46	Nozzle Body Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1486	2
12	Manifold Elbow 90 deg.	DL1724	2
12A	Manifold Elbow 50 deg.	DL1720	2
13	Manifold Elbow Gasket	DG0142	4
45	Case to Receiver Gasket	DG0060	4
	Flange Gasket	DG0070	4
20	Suction Pipe	DL0614	2
7	Compression Flange	DF0487	4
6	"O" Ring	DG0203	4
	Water Make-up (115V)	DE0872	
	Alternate Choice	—OR—	
	Water Make-up (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
42	Fitting	DF0506	2
43	Fitting	DF0507	2
71	Tubing (in feet)	X42104	2
70	Temperature Limit Switch	DA0280	
	Alternate Choice	—OR—	
70	Temperature Limit Switch	DA0269	
	Well (For DA0280)	DA0281	
8	Receiver 100 Gallon	DR0290	1
4	Inlet Basket Strainer Assembly	DA0183	1
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
38*	Water Level Gauge Glass Assembly	DV0375	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
23	Pipe (cut to 8.875" Long)	X42707	2

*Detail of accessories located on page 34.

VCBM13

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM13	
1	Receiver	DR0278	1
see detail*	Float Switch Assembly	DL1543	1
15	Air Vent	DL0594	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	1
11	Cover	DA0150	1
49	Manifold Gasket	DG0151	1
56	Cover Gasket	DG0127	1
3	Check Valve Assembly	DV0082	1
9	Insert Manifold	DL1702	1
49	Check Valve Mounting Flange Gasket	DG0116	1
10	Nozzle Body	DL1441	1
46	Nozzle Body Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1486	1
12	Manifold Elbow	DL1718	1
13	Manifold Elbow Gasket	DG0142	2
45	Case to Receiver Gasket	DG0082	2
	Flange Gasket	DG0070	1
20	Air Suction Pipe	DL0614	1
	Extension Pipe	DL0616	1
7	Compression Flange	DF0487	2
6	“O” Ring	DG0203	2
see detail*	Water Make-Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make-Up Assembly (208V & 230V)	DE0873	
70	Temp. Limit Switch	DA0280	
	Alternate Choice	—OR—	
70	Temp. Limit Switch	DA0269	
	Well for Limit Switch DA0280	DA0281	
	Well of Limit Switch DA0269	DA0268	
71	Tubing (in feet)	X42104	1
42	Fitting	DF0506	1
43	Fitting	DF0507	1
23	Pipe (8.875 inches long)	X42707	1
8	Receiver	DR0290	1
4	Inlet Basket Strainer Assembly	DA0183	1
35	Angle Thermometer	DA0104	2
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
38*	Water Level Gauge Glass Assembly	DV0375	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
32	Vacuum Switch	DE0987	1

*Detail of accessories located on page 34.

VCBM14

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM14	
1	Receiver	DR0278	1
see detail*	Float Switch Assembly	DL1543	1
15	Air Vent	DL0594	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	2
11	Cover	DA0150	2
49	Manifold Gasket	DG0151	2
56	Cover Gasket	DG0127	2
3	Check Valve Assembly	DV0082	2
9	Insert Manifold	DL1702	2
	Check Valve Mounting Flange Gasket	DG0116	2
10	Nozzle Body	DL1441	2
46	Nozzle Body Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1486	2
12	Manifold Elbow	DL1718	2
13	Manifold Elbow Gasket	DG0142	4
45	Case to Receiver Gasket	DG0082	4
	Flange Gasket	DG0070	2
20	Air Suction Pipe	DL0614	2
	Extension Pipe	DL0616	2
7	Compression Flange	DF0487	4
6	“O” Ring	DG0203	4
see detail*	Water Make-Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make-Up Assembly (208V & 230V)	DE0873	
70	Temp. Limit Switch	DA0280	
	Alternate Choice	—OR—	
70	Temp. Limit Switch	DA0269	
	Well for Limit Switch DA0280	DA0281	
	Well of Limit Switch DA0269	DA0268	
71	Tubing (in feet)	X42104	2
42	Fitting	DF0506	2
43	Fitting	DF0507	2
23	Pipe (8.875 inches long)	X42707	2
8	Receiver	DR0290	1
4	Inlet Basket Strainer Assembly	DA0183	1
35	Angle Thermometer	DA0104	2
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
38*	Water Level Gauge Glass Assembly	DV0375	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
32	Vacuum Switch	DE0987	2
	Panel Brackets	DE0076	2
	Panel Bracket Support	DE0935	2
	Panel Bracket	DE0938	1

*Detail of accessories located on page 34.

VCBM15

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM15	
1	Receiver	DR0278	1
see detail*	Float Switch Assembly	DL1543	1
15	Air Vent	DL0594	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1478	1
11	Cover	DL1740	1
49	Manifold Gasket	DG0151	1
56	Cover Gasket	DG0127	1
3	Check Valve Assembly	DV0083	1
9	Insert Manifold	DL1704	1
49	Check Valve Mounting Flange Gasket	DG0116	1
10	Nozzle Body	DL1442	1
46	Nozzle Body Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1487	1
12	Manifold Elbow	DL1718	1
13	Manifold Elbow Gasket	DG0142	3
45	Case to Receiver Gasket	DG0082	2
	Cover Plate	DP0777	1
20	Air Suction Pipe	DL0614	1
	Extension Pipe	DL0616	1
7	Compression Flange	DF0487	2
6	"O" Ring	DG0203	2
	Cover Plate	DG1466	1
see detail*	Water Make-Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make-Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	1
35	Angle Thermometer	DA0104	1
42	Fitting	DF0507	1
43	Fitting	DF0511	1
71	Copper Tubing (8")	X42104	1
23	Pipe (8-7/8" Long)	X42707	1
8	Receiver	DR0290	1
4	Inlet Basket Strainer	DA0183	1
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
38*	Water Level Gauge Glass Assm.	DV0375	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
45	Gasket	DG0060	2
	Blank Off Flange	DF0470	1
	Lifting Eye	DJ0322	
	Blind Flange	DF0210	
70	Temp Limit Switch	DA0269	
	Well	DA0268	
70	Temp Limit Switch	DA0280	
	Well	DA0281	

*Detail of accessories located on page 34.

VCBM16

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM16	
1	Receiver	DR0278	1
see detail*	Float Switch Assembly	DL1543	1
15	Air Vent	DL0594	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1478	2
11	Cover	DL1740	2
49	Manifold Gasket	DG0151	2
56	Cover Gasket	DG0127	2
3	Check Valve Assembly	DV0083	2
9	Insert Manifold	DL1704	2
49	Check Valve Mounting Flange Gasket	DG0116	2
10	Nozzle Body	DL1442	2
46	Nozzle Body Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1487	2
12	Manifold Elbow	DL1718	2
13	Manifold Elbow Gasket	DG0142	4
45	Case to Receiver Gasket	DG0082	2
20	Air Suction Pipe	DL0614	2
	Extension Pipe	DL0616	2
7	Compression Flange	DF0487	4
6	“O” Ring	DG0203	4
	Clamp Bracket	DL0018	2
see detail*	Water Make-Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make-Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
42	Fitting	DF0507	2
43	Fitting	DF0511	2
71	Copper Tubing (12")	X42104	1
23	Pipe (8-7/8" Long)	X42707	2
8	Receiver	DR0290	1
4	Inlet Basket Strainer	DA0183	1
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator	DA0361	
38*	Water Level Gauge Glass Assm.	DV0375	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
45	Gasket	DG0060	2
	Nipple	DL0022	1
	Nipple	DL0161	1
	Blank Off Flange	DF0470	1
	Lifting Eye	DJ0322	
	Blind Flange	DF0210	
70	Temp Limit Switch	DA0269	
	Well	DA0268	
70	Temp Limit Switch	DA0280	
	Well	DA0281	
	Panel Bracket	DE0934	2
	Panel Bracket	DE0938	2

VCBM17

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM17	
see detail*	Inlet Basket Strainer Assembly	DA0056	1
35 (air side)	Dial Thermometer	DA0101	1
35	Angle Thermometer	DA0104	1
36	Compound Gauge	DA0114	1
41	Gauge Clock	DV0325	1
70	Temp Limit Switch	DA0269	as req
6	Float Switch Assembly	DA0393	1
see detail*	Solenoid Make Up Assembly (208V & 230V)	DE0873	1
32	Vacuum Switch	DE0987	1
	Blind Flange Vacuum Receiver	DF0470	1
43	Fitting	DF0507	1
45	Gasket	DG0060	1
12	Manifold Elbow	DL1722	1
7	Companion Flange	DF0487	2
6	O Ring	DG0203	2
3	Check Valve	DV0081	1
	Pipe	X42707	0.75
20	Air Lift Pipe	DL0614	1
46	Check Valve Mounting Gasket	DG0116	1
see detail*	Float Switch Assembly	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
13	Manifold Body	DL1476	1
11	Cover Plane	DA0150	1
49	Nozzle Body Gasket	DG0151	1
56	Gasket	DG0127	1
9	Insert Manifold	DL1702	1
10	Nozzle Body	DL1446	1
	Gasket	DG0150	2
13	Gasket	DG0142	2
45	Gasket	DG0060	2
	Cover Plate	DL1466	1
	Blind Flange	DF0210	1
21	Nozzle Retaining Ring	DL1486	1
1	Receiver Vacuum	DR0272	1
8	Receiver Condensate	DR0304	1
68*	Water Level Gauge Glass Assembly	DV0376	1
39*	Water Level Gauge Glass Assembly	DV0378	1
	Support Bracket	DE0934	2
	Mounting Bracket	DE0938	1
	Bracket	DE0076	2

*Detail of accessories located on page 34.

VCBM18

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM18	
see detail*	Inlet Basket Strainer Assembly	DA0056	1
35 (air side)	Dial Thermometer	DA0101	1
35	Angle Thermometer	DA0104	1
36	Compound Gauge	DA0114	1
41	Gauge Cock	DV0325	1
70	Temperature Limit Switch	DA0269	1
6	Float Switch Assembly	DA0393	2
	Alternate Choice	-OR-	
6	Mechanical Alternator	DA0361	1
43	Fitting	DF0507	2
45	Gasket	DG0060	2
12	Manifold Elbow	DL1722	2
7	Companion Flange	DF0487	4
6	O Ring	DG0203	4
3	Check Valve	DV0081	2
	Pipe	X42707	1
20	Air Lift Pipe	DL0614	1
46	Gasket	DG0116	2
see detail*	Float Switch Assembly	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
13	Manifold Body	DL1476	2
11	Coverplate	DA0150	2
49	Gasket	DG0151	2
56	Gasket	DG0127	2
9	Insert Manifold	DL1702	2
10	Nozzle Body	DL1446	2
	Gasket	DG0150	2
13	Gasket	DG0142	4
45	Gasket	DG0060	2
21	Nozzle Retaining Ring	DL1486	2
1	Receiver, Vacuum	DR0272	1
8	Receiver, Condensate	DR0304	1
68*	Gauge Glass Assembly	DV0376	1
39*	Gauge Glass Assembly	DV0378	1
	Support Bracket	DE0934	2
	Mounting Bracket	DE0938	1
	Bracket	DE0076	2

*Detail of accessories located on page 34.

VCBM19

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM19	
1	Receiver (Vacuum Side)	DR0272	1
see detail*	Float Switch Assembly	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	1
11	Cover Plate	DA0150	1
49	Discharge Manifold Gasket	DG0151	1
56	Cover Flange Gasket	DG0127	1
3	Check Valve Assembly	DV0081	1
	Check Valve Flange	DV0121	1
9	Manifold Insert	DL1702	1
49	Check Valve Mounting Flange Gasket	DG0116	1
10	Nozzle Body	DL1446	1
12	Manifold Elbow (90 degree)	DL1724	1
12	Manifold Elbow (50 degree)	DL1720	1
13	Manifold Elbow Gasket	DG0142	2
	Flange Gasket	DG0070	2
45	Case to Receiver Gasket	DG0060	2
20	Suction Pipe	DL0614	1
7	Compression Flange	DF0487	2
6	“O” Ring	DG0203	2
see detail*	Water Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	1
35	Angle Thermometer	DA0104	2
42	Fitting	DF0506	1
43	Fitting	DF0507	1
71	1/4 Copper Tubing	X42104	
70	Temperature Limit Switch (50-130 deg)	DA0280	
	Alternate Choice	—OR—	
70	Temperature Limit Switch (100-240 deg)	DA0269	
	Immersion Well	DA0281	
8	Receiver (Condensate)	DR0304	1
4	Inlet Basket Strainer	DA0056	
	Alternate Choice	—OR—	
4	Inlet Basket Strainer	DA0055	
6	Float Switch Assembly	DA0393	1
68*	Water Level Gauge Glass Assembly	DV0376	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
	Panel Bracket	DE0076	2
	Lifting Eye	DJ0322	
	Panel Bracket	DE0935	2
	Panel Bracket	DE0838	1

*Detail of accessories located on page 34.

VCBM20

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM20	
1	Receiver (Vacuum Side)	DR0272	1
see detail*	Float Switch Assembly	DL1542	1
15	Air Vent	DL0598	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	2
11	Cover Plate	DA0150	2
49	Discharge Manifold Gasket	DG0151	2
56	Cover Flange Gasket	DG0127	2
3	Check Valve Assembly	DV0081	2
	Check Valve Flange	DV0121	2
9	Manifold Insert	DL1702	2
49	Check Valve Mounting Flange Gasket	DG0116	2
10	Nozzle Body	DL1446	2
12	Manifold Elbow (90 degree)	DL1724	2
12	Manifold Elbow (50 degree)	DL1720	2
13	Manifold Elbow Gasket	DG0142	4
	Flange Gasket	DG0070	4
45	Case to Receiver Gasket	DG0060	4
20	Suction Pipe	DL0614	2
7	Compression Flange	DF0487	4
6	“O” Ring	DG0203	4
see detail*	Water Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
42	Fitting	DF0506	2
43	Fitting	DF0507	2
71	1/4 Copper Tubing	X42104	
70	Temperature Limit Switch (50-130 deg)	DA0280	
	Alternate Choice	—OR—	
70	Temperature Limit Switch (100-240 deg)	DA0269	
	Immersion Well	DA0281	
8	Receiver (Condensate)	DR0304	1
4	Inlet Basket Strainer	DA0056	
	Alternate Choice	—OR—	
4	Inlet Basket Strainer	DA0055	
6	Float Switch Assembly	DA0393	1
	Alternate Choice	—OR—	
6	Mechanical Alternator Assembly	DA0361	
68*	Water Level Gauge Glass Assembly	DV0376	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
	Nipple	DL0022	1
	Nipple	DL0161	
	Panel Bracket	DE0076	2
	Lifting Eye	DJ0322	
	Panel Bracket	DE0935	2
	Panel Bracket	DE0838	1

*Detail of accessories located on page 34.

VCBM21

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM21	
	Blind Nozzle Cover Plate	DL1466	1
	Blind Case Cover Plate	DP0777	1
	Blind Air Suction Cover Plate	DF0470	1
1	Receiver (Vacuum Side)	DR0278	1
see detail*	Float Switch Assembly	DL1543	1
15	Air Vent	DL0594	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	1
11	Cover Plate	DA0150	1
49	Discharge Manifold Gasket	DG0151	1
56	Cover Flange Gasket	DG0127	1
3	Check Valve Assembly	DV0082	1
9	Manifold Insert	DL1702	1
49	Check Valve Mounting Flange Gasket	DG0116	1
10	Nozzle Body	DL1441	1
46	Gasket	DG0150	2
12	Manifold Elbow (90 degree)	DL1718	1
13	Manifold Elbow Gasket	DG0142	2
45	Gasket (air side only with "C" flange)	DG0082	2
45	Case to Receiver Gasket	DG0060	2
20	Suction Pipe	DL0614	1
	Extension Pipe	DL0616	1
7	Compression Flange	DF0487	2
6	"O" Ring	DG0203	2
	Capscrew	DJ0079	8
see detail*	Water Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	1
35	Angle Thermometer	DA0104	2
42	Fitting	DF0511	1
43	Fitting	DF0507	1
71	1/4 Copper Tubing	X42104	
70	Temperature Limit Switch (50-130 deg)	DA0280	
	Alternate Choice	—OR—	
70	Temperature Limit Switch (100-240 deg)	DA0269	
	Immersion Well	DA0281	
8	Receiver (Condensate)	DR0304	1
4	Inlet Basket Strainer	DA0056	
	Alternate Choice	—OR—	
4	Inlet Basket Strainer	DA0055	
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator Assembly	DA0361	
68*	Water Level Gauge Glass Assembly	DV0376	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
	Nipple	DL0022	1
	Nipple	DL0161	
	Panel Bracket	DE0076	2
	Lifting Eye	DJ0322	
	Panel Bracket	DE0935	2
	Panel Bracket	DE0938	1

*Detail of accessories located on page 34.

VCBM22

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM22	
1	Receiver (Vacuum Side)	DR0278	1
see detail*	Float Switch Assembly	DL1543	1
15	Air Vent	DL0594	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	2
11	Cover Plate	DA0150	2
49	Discharge Manifold Gasket	DG0151	2
56	Cover Flange Gasket	DG0127	2
3	Check Valve Assembly	DV0082	2
9	Manifold Insert	DL1702	2
49	Check Valve Mounting Flange Gasket	DG0116	2
10	Nozzle Body	DL1441	2
46	Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1486	2
12	Manifold Elbow (90 degree)	DL1718	2
13	Manifold Elbow Gasket	DG0142	4
45	Case to Receiver Gasket	DG0060	4
20	Suction Pipe	DL0614	2
	Extension Pipe	DL0616	2
7	Compression Flange	DF0487	4
6	“O” Ring	DG0203	4
	Capscrew	DJ0079	8
see detail*	Water Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
42	Fitting	DF0511	2
43	Fitting	DF0507	2
71	1/4 Copper Tubing	X42104	
70	Temperature Limit Switch (50-130 deg)	DA0280	
	Immersion Well	DA0281	
8	Receiver (Condensate)	DR0304	1
4	Inlet Basket Strainer	DA0056	
	Alternate Choice	—OR—	
4	Inlet Basket Strainer	DA0055	
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator Assembly	DA0361	
68*	Water Level Gauge Glass Assembly	DV0376	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
	Nipple	DL0022	1
	Nipple	DL0161	
	Panel Bracket	DE0076	2
	Lifting Eye	DJ0322	
70	Temperature Limit Switch (100-240 deg)	DA0269	
	Panel Bracket	DE0935	2
	Panel Bracket	DE0938	1

*Detail of accessories located on page 34.

VCBM24

ITEM #	DESCRIPTION	PART NUMBER	QTY
	Bill of Material Reference	VCBM24	
1	Receiver (Vacuum Side)	DR0278	1
see detail*	Float Switch Assembly	DL1543	1
15	Air Vent	DL0594	1
51	Air Vent Gasket	DG0001	1
39*	Water Level Gauge Glass Assembly	DV0378	1
13	Discharge Manifold	DL1476	2
11	Cover	DL1740	2
49	Discharge Manifold Gasket	DG0151	2
56	Cover Flange Gasket	DG0127	2
3	Check Valve Assembly	DV0083	2
9	Manifold Insert	DL1704	2
49	Check Valve Mounting Flange Gasket	DG0116	2
10	Nozzle Body	DL1442	2
46	Gasket	DG0150	2
21	Nozzle Retaining Ring	DL1487	2
12	Manifold Elbow (90 degree)	DL1718	2
13	Manifold Elbow Gasket	DG0142	4
45	Case to Receiver Gasket	DG0060	4
	Flange Gasket	DG0070	4
20	Suction Pipe	DL0614	2
	Extension Pipe	DL0616	2
7	Compression Flange	DF0487	4
6	"O" Ring	DG0203	4
	Capscrew	DJ0079	8
see detail*	Water Make Up Assembly (115V)	DE0872	
	Alternate Choice	—OR—	
see detail*	Water Make Up Assembly (208V & 230V)	DE0873	
32	Vacuum Switch	DE0987	2
35	Angle Thermometer	DA0104	2
42	Fitting	DF0511	2
43	Fitting	DF0507	2
71	1/4" Copper Tubing	X42104	
70	Temperature Limit Switch (50-130 deg)	DA0280	
	Immersion Well	DA0281	
8	Receiver (Condensate)	DR0304	1
4	Inlet Basket Strainer	DA0056	
	Alternate Choice	—OR—	
4	Inlet Basket Strainer	DA0055	
6	Float Switch Assembly	DA0393	
	Alternate Choice	—OR—	
6	Mechanical Alternator Assembly	DA0361	
68*	Water Level Gauge Glass Assembly	DV0376	1
36	Compound Gauge	DA0114	1
41	Gage Cock	DV0325	1
	Panel Bracket	DE0076	2
	Lifting Eye	DJ0322	
70	Temperature Limit Switch (100-240 deg)	DA0269	
	Panel Bracket	DE0935	2
	Panel Bracket	DE0938	1

*Detail of accessories located on page 34.

ACCESSORIES DETAIL

ITEM #	PART #	DESCRIPTION	QTY
	DE0872	Bill of Material Reference	
34	DA0031	Strainer-Y	1
	DL0021	Nipple Std	1
	DL0060	Nipple Std	1
	H47900	Plug Sq Hd	1
68	J89108	Tee Reduce	1
44	J89428	Bushing, Hex	1
33	DV1225	Valve Asm	1
	DE0873	Bill of Material Reference	
34	DA0031	Strainer-Y	1
	DL0021	Nipple Std	1
	DL0060	Nipple Std	1
	H47900	Plug Sq Hd	1
68	J89108	Tee	1
44	J89428	Bushing, Hex	1
33	DV1226	Valve Asm	1
	DV0370	Bill of Material Reference	
	DV0343	Gauge Glass Holders	1
	DV0345	Gauge Glass	1
	DV0367	Guard Rods	2
	DV0373	Bill of Material Reference	
	DV0342	Gauge Glass Holders	1
	DV0349	Gauge Glass	1
	DV0368	Guard Rods	2
	DV0375	Bill of Material Reference	
	DV0343	Gauge Glass Holders	1
	DV0351	Gauge Glass	1
	DV0383	Guard Rods	2
	DV0376	Bill of Material Reference	
	DV0342	Gauge Glass Holders	1
	DV0351	Gauge Glass	1
	DV0383	Guard Rods	2
	DV0378	Bill of Material Reference	
	DV0342	Gauge Glass Holders	1
	DV0353	Gauge Glass	1
	DV0383	Guard Rods	2
	DV0380	Bill of Material Reference	
	DV0342	Gauge Glass Holders	1
	DV0355	Gauge Glass	1
	DV0384	Guard Rods	2

PART #	DESCRIPTION	QTY
DA0055	Bill of Material Reference	
DA0184	Strainer Assembly	1
DG0025	Flange Gasket	1
DJ0250	Nut	8
DJ0493	Stud	8
DA0056	Bill of Material Reference	
DA0183	Strainer Assembly	1
DF0057	Bushing	1
DF0238	Companion Flange	1
DG0025	Flange Gasket	1
DJ0250	Nut	8
DJ0493	Stud	8
DL1541	Bill of Material Reference	
DA0323	Float Switch Assembly	1
DF0065	Adapter	1
DF0121	Elbow	1
J89082	Elbow	1
DL0251	Nipple	2
DL0258	Nipple	1
DL0081	Nipple	1
DL1542	Bill of Material Reference	
DA0323	Float Switch Assembly	1
DF0121	Elbow	2
DF0123	Elbow	1
DF0168	Elbow	1
DL0235	Nipple	2
DL0238	Nipple	2
DL0300	Nipple	1
DL0421	Equalizing Pipe Assembly	1
DL1434	Pipe Assembly	1
P23860	Tee	1
DL1543	Bill of Material Reference	
DA0323	Float Switch Assembly	1
DF0121	Elbow	2
DF0124	Elbow	1
DF0169	Elbow	1
DL0235	Nipple	2
DL0238	Nipple	1
DL0240	Nipple	1
DL0327	Nipple	1
DL0424	Equalizing Pipe	1
DL1453	Overflow Pipe Assembly	1
P24360	Tee	1

TYPICAL PRODUCT DESCRIPTION SHEET FOR NEW UNITS

BELL & GOSSETT

DOMESTIC® Condensate Transfer Equipment
8200 North Austin Avenue
Morton Grove, Illinois 60053
(847) 966-2700 FAX: (847) 966-9052

CONDENSATE RETURN UNITS
BOILER FEED UNITS
VACUUM HEATING UNITS

REF. NO:
BELL & GOSSETT
REPRESENTATIVE:
PROJECT:

DATE:

This is subject to the terms
and conditions printed on
the face and back thereof.

Terms: 2% 10th Prox.
F.O.B. - Morton Grove, IL

Prices do not include federal, state
or local taxes, which tax or taxes
shall be applied to prices
where applicable.

VC

PRODUCT DESCRIPTION

Qty _____ Series VC Combination Vacuum and Condensate Unit
Model No. _____ with _____ Vacuum Pumps & _____ Water Pumps
_____ Gallon Condensate Receiver () Cast Iron () Steel _____" x _____" x _____"
_____ Inlet Dia Size **MOTOR VOLTAGE:**
_____ Discharge Diameter () 115/1/60 () 230/1/60
_____ GPM Pump Rating () 208/3/60 () 230/3/60
_____ PSIG Discharge Pressure () 460/3/60
_____ HP Water Motor **Pump** **CONTROL VOLTAGE:**
_____ RPM Water Motor **Type** _____ () 115/1/60 () 208/1/60 () 230/1/60
_____ CFM @ 5-1/2 Hg at 160°F **WATER PUMP CONTROL:**
_____ HP Vac. Motor **Pump Type** _____ () Float Switches () Mech. Alternator
_____ RPM Vac. Motor () Nema 1 () Nema 4 () Nema 7
Motors () O.D.P. () TEFC () Expl. Proof

ADDITIONAL STANDARD EQUIPMENT: Gauge glass, Angle Thermometer, Vacuum
Switches, Hurling Water Float Switch & Solenoid Valve, Inlet Strainer & Compound Gauge.

CONTROL PANEL () Wall Mounted () Mounted & Wired
() Nema 2 () Nema 4 () Nema 7 () Nema 12 () U.L.
() Liquid Tight Conduit () Rigid Conduit
() Magnetic Starters () Auto-Off-Hand Selector Switches
() Fusible Disconnect Switches for Water Pumps
() Circuit Breakers () Off-Hand-Lead-Lag Selector Switches
() Control Transformers for Water Pumps
() Electrical Alternator, Vacuum () Auto-Off-Cont. Selector Switches
() Electrical Alternator, Cond. for Vacuum Pumps
() Power Control Switching Relay () Off-Lead-Lag-Cont. Selector Switches
() Pilot Lights for Vacuum Pumps

OPTIONAL ACCESSORIES:

() Lifting Eye Bolts
() Temperature Limit Switch for Vacuum Pump Protection
() Add cooling water if hurling water exceeds 160°F
() Cut-out vacuum pumps if return temperature exceeds 180°F

TOTAL LIST PRICE

Product on this Submission is standard HOFFMAN Pump Product and is offered without reference to any project specifications unless specifically noted.

Price Quoted is F.O.B. _____ Approx. shipping weight _____ lbs.
Shipment can be made _____ weeks after receipt of an approved order.
Subject to change after _____ days.

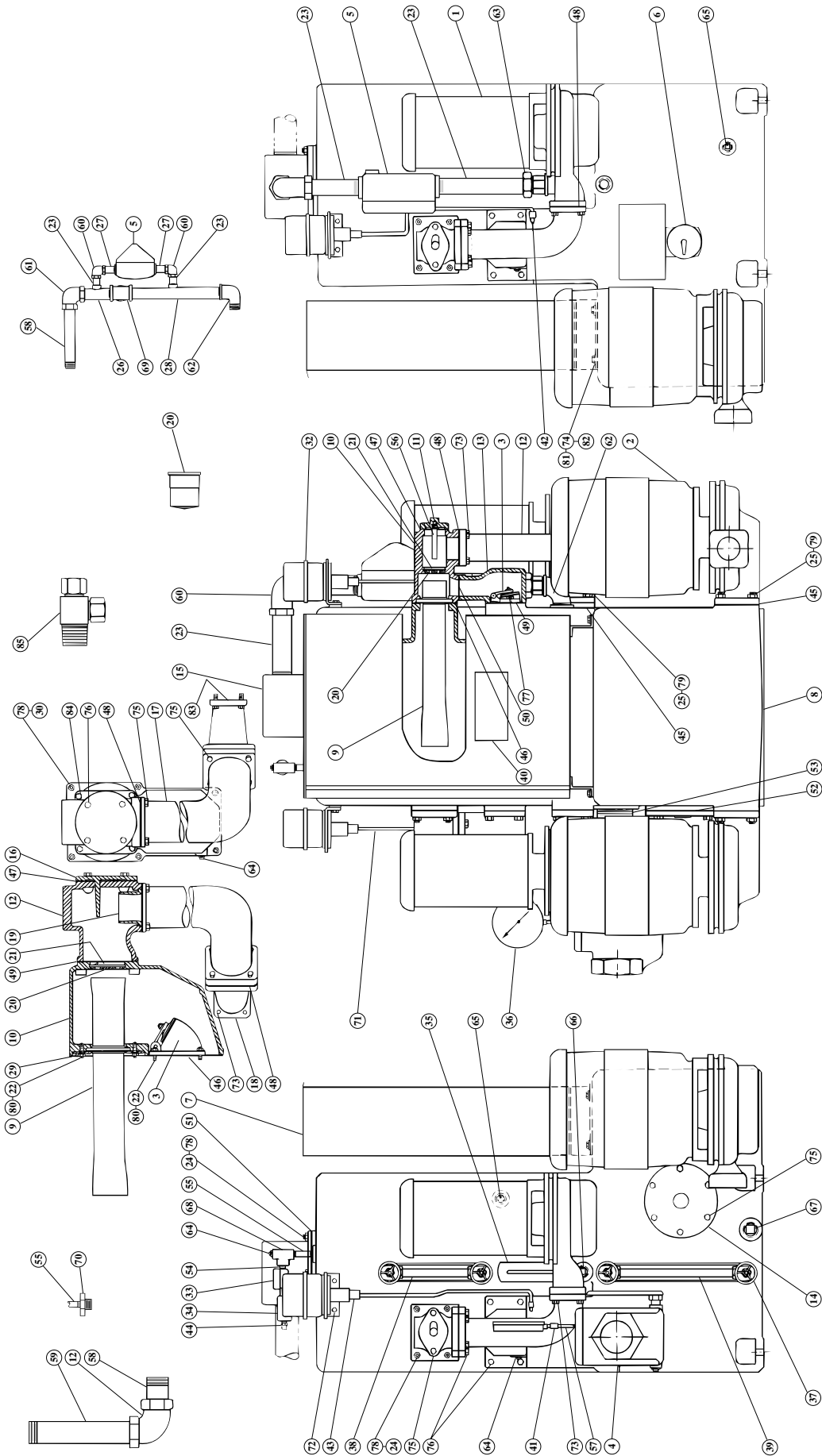
ACCEPTED BY: _____

BELL & GOSSETT

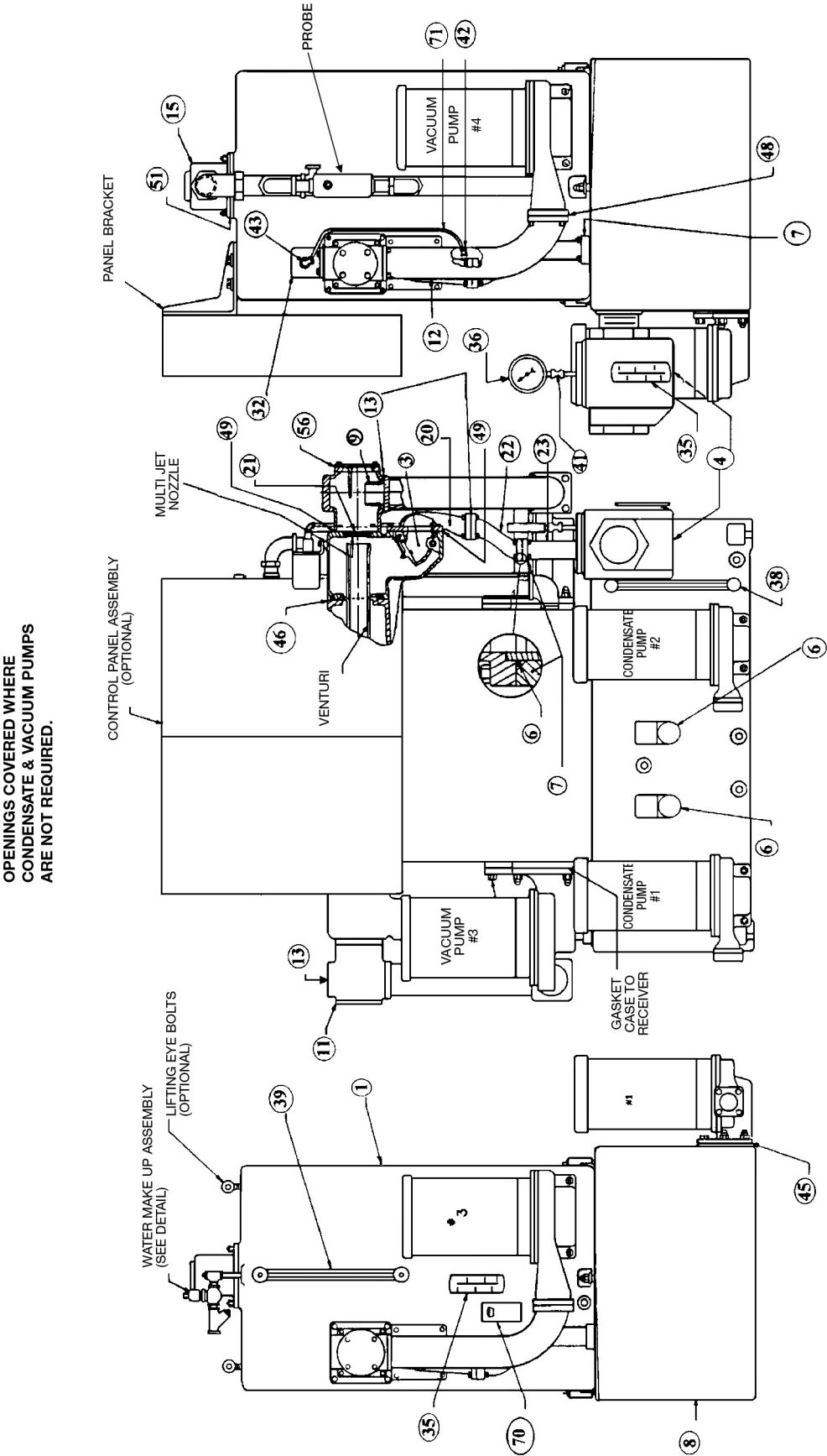
DATE: _____

SIGNATURE: _____

DETAILED DRAWING OF TYPICAL 25 & 50 VCD & VC UNITS



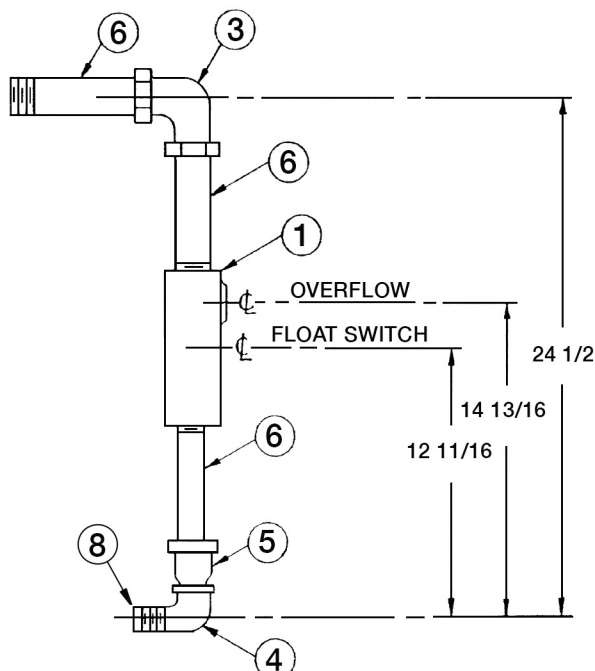
DETAILED DRAWING OF TYPICAL 100 & 150 VCD & VC UNITS



DETAILED DRAWING OF TYPICAL HURLING CHAMBER FLOAT SWITCH ASSEMBLIES

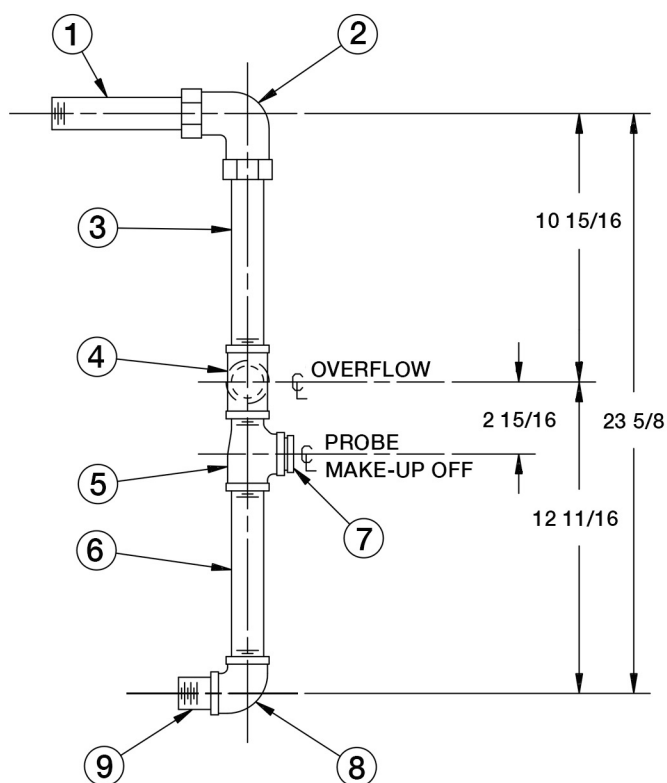
25 VCD FLOAT SWITCH ASSEMBLY

HURLING CHAMBER FLOAT SWITCH ASSEMBLY 1972 THROUGH JULY 1999



Item #	Part #
1	180091
3	DF0121
4	J89082
5	DF0065
6	DL0251
7	DL0258
8	DL0081

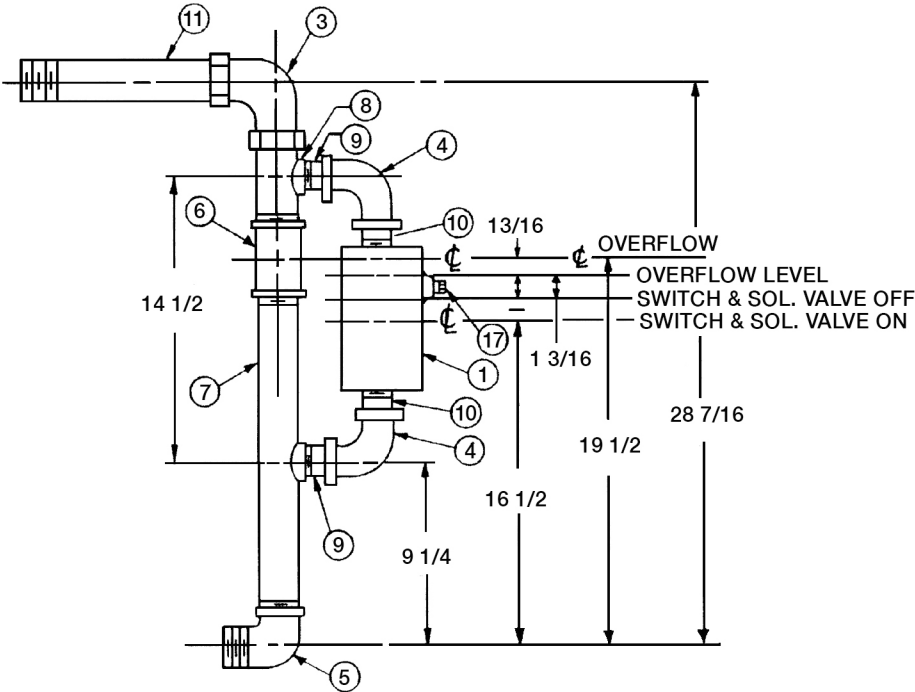
HURLING CHAMBER LEVEL CONTROL/PROBE STYLE AUGUST 1999 THROUGH PRESENT



Item #	Part #
1	DL0256
2	DF0121
3	DL0254
4	S01840
5	DF0692
6	DL2286
7	J89415
8	P23150
9	DL0081
PROBE	153875

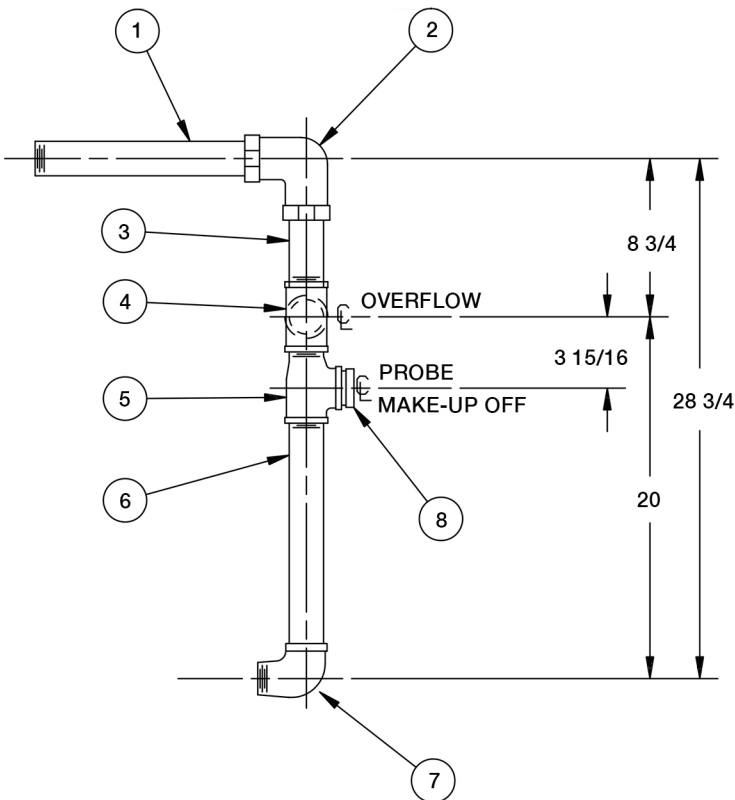
DETAILED DRAWING OF
TYPICAL HURLING CHAMBER FLOAT SWITCH ASSEMBLIES
50 VCD FLOAT SWITCH ASSEMBLY

HURLING CHAMBER FLOAT SWITCH ASSEMBLY
1972 THROUGH JULY 1999



Item #	Part #
1	180091
3	DF0123
4	DF0121
5	DF0168
6	P23860
7	DL1434
8	DL0421
9	DL0235
10	DL0238
11	DL0300
17	included in 180091

HURLING CHAMBER LEVEL CONTROL/PROBE STYLE
AUGUST 1999 PRESENT

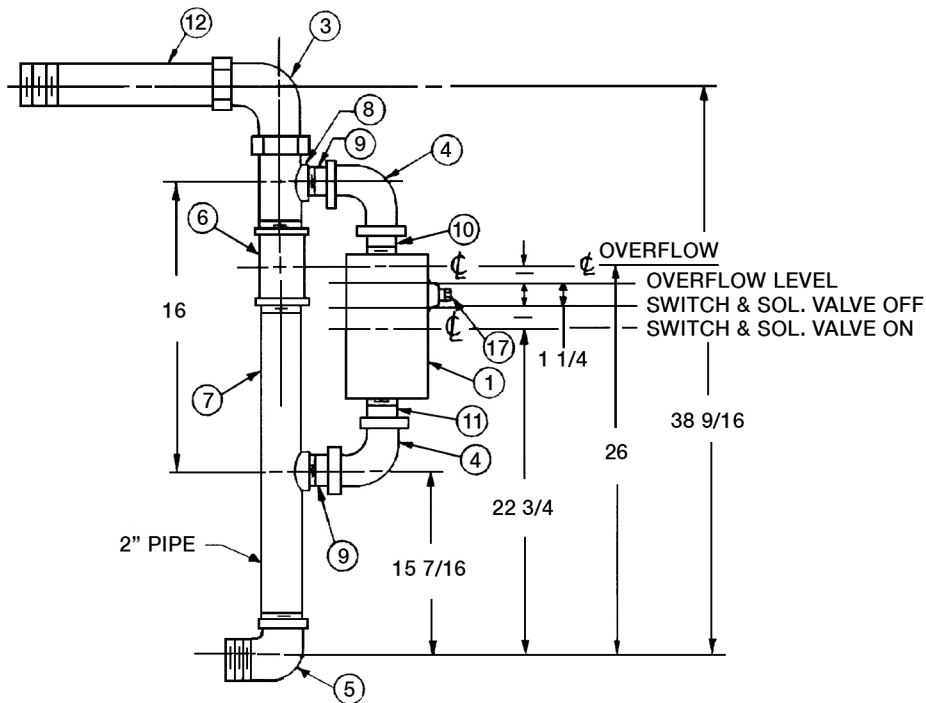


Item #	Part #
1	DL0300
2	DF0123
3	DL0294
4	P23860
5	DF0691
6	DL2239
7	DF0168
8	J89427
PROBE*	153875

*Probe available in 115V only
Transformer required in control panel

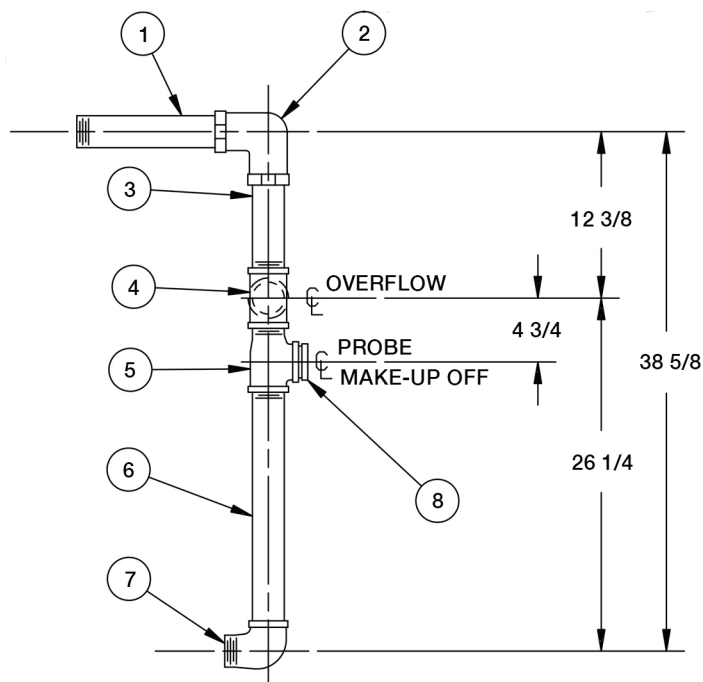
DETAILED DRAWING OF TYPICAL HURLING CHAMBER FLOAT SWITCH ASSEMBLIES 100 & 150 VCD FLOAT SWITCH ASSEMBLY

HURLING CHAMBER FLOAT SWITCH ASSEMBLY 1972 THROUGH JULY 1999



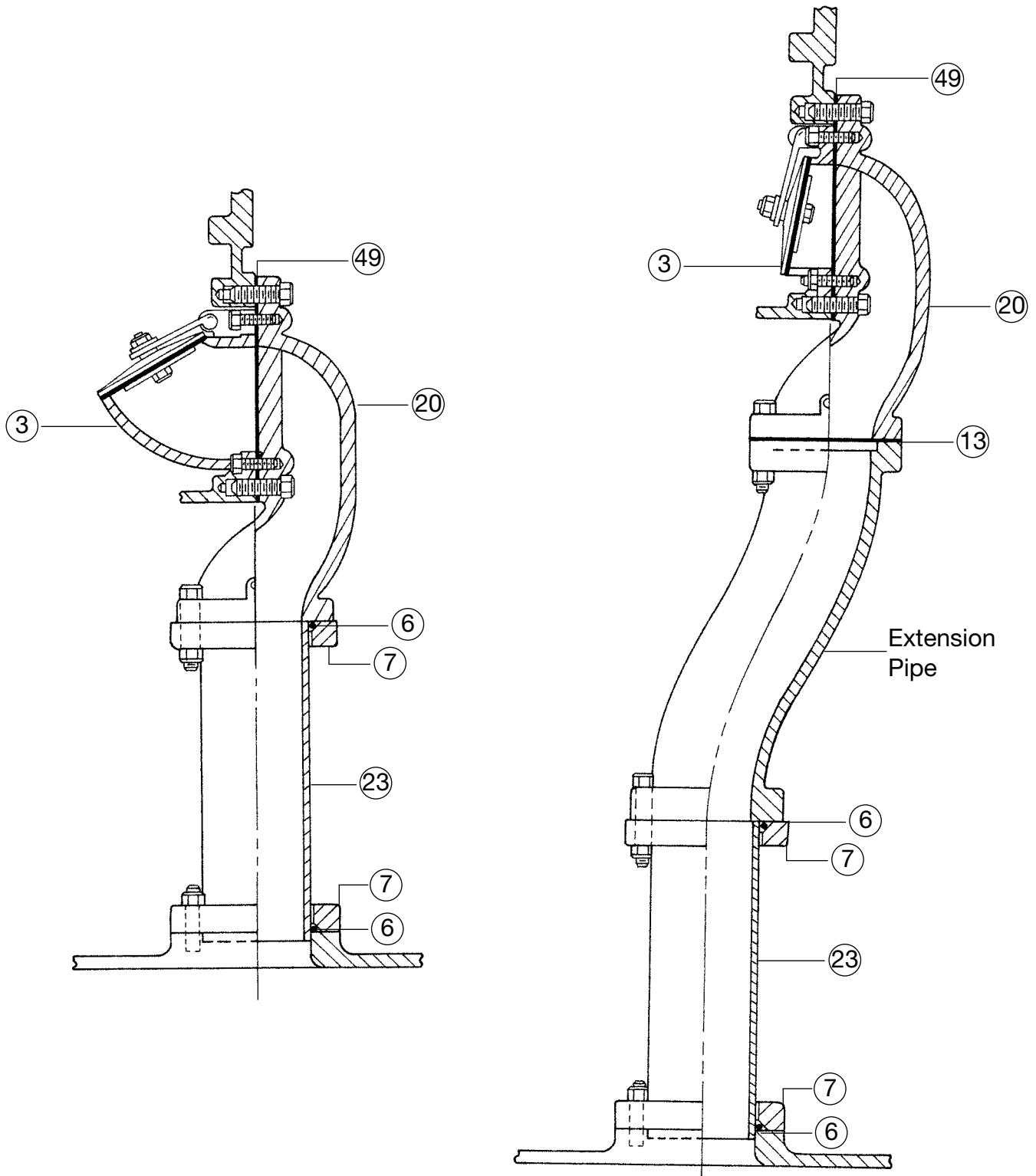
Item #	Part #
1	180091
3	DF0124
4	DF0121
5	DF0169
6	P24360
7	PL1453
8	DL0424
9	DL0235
10	DL0240
11	DL0238
17	included in 180091

HURLING CHAMBER LEVEL CONTROL/PROBE STYLE AUGUST 1999 THROUGH PRESENT



Item #	Part #
1	DL0327
2	DF0124
3	DL2240
4	P24360
5	DF0690
6	DL0342
7	DF0169
8	P20930
PROBE*	153875

*Probe available in 115V only
Transformer required in control panel

AIR LIFT PIPE ARRANGEMENTS FOR 100 & 150 VCD & VC UNITS

Xylem |'zīləm|

- 1) The tissue in plants that brings water upward from the roots;
- 2) a leading global water technology company.

We're a global team unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

For more information on how Xylem can help you, go to www.xyleminc.com



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8200 N. Austin Avenue
Morton Grove, Illinois 60053
Phone: (847) 966-3700
Fax: (847) 965-8379
www.bellgossett.com

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