

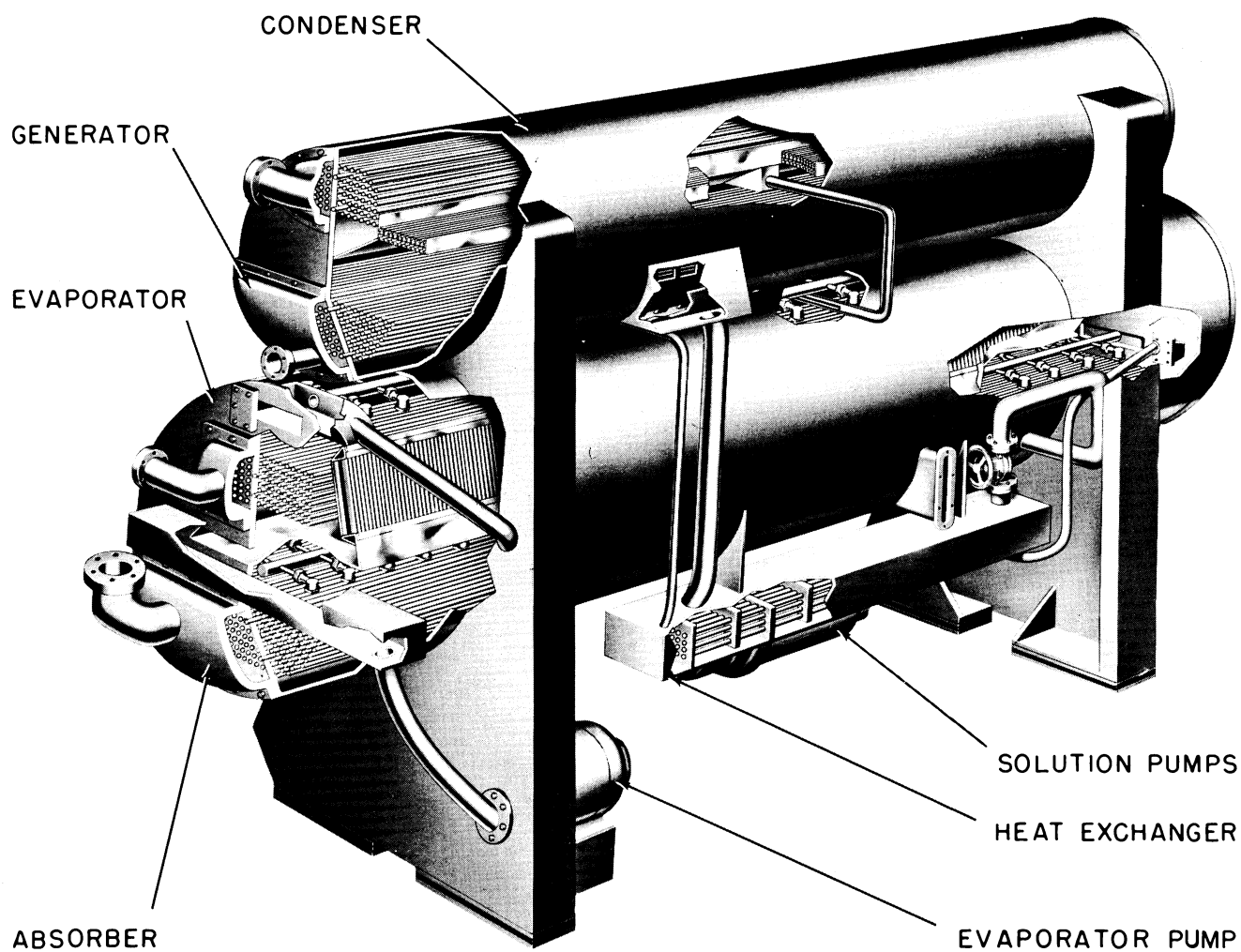


HERMETIC ABSORPTION CHILLER

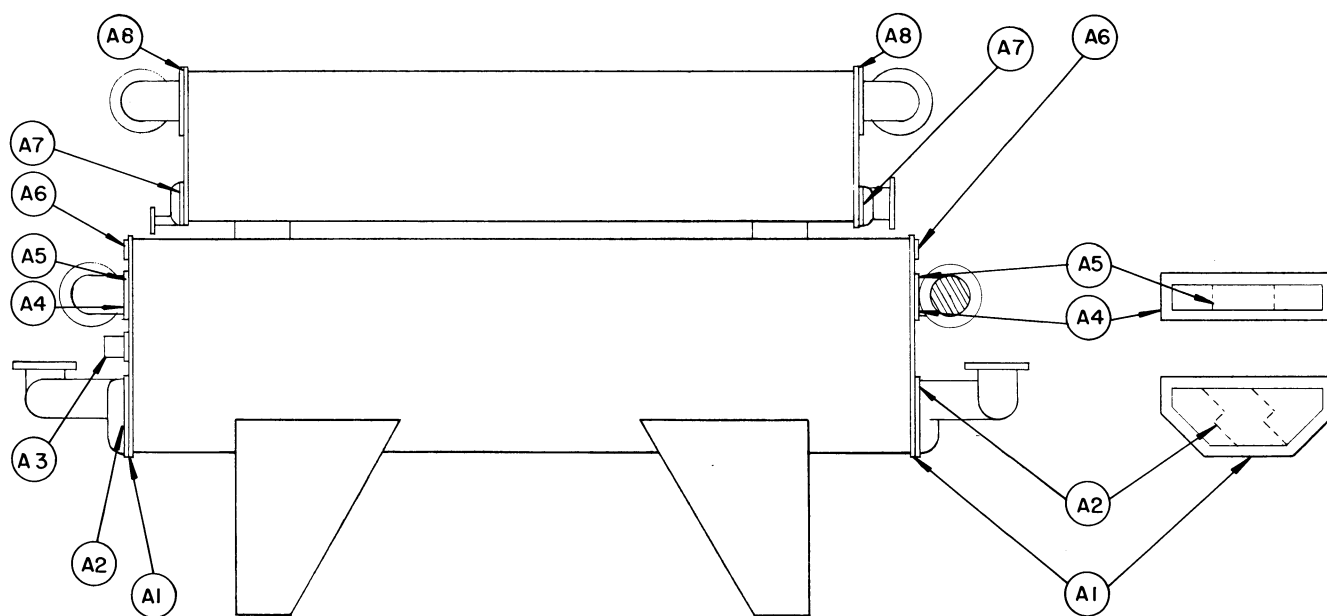
16C

INDEX

<u>TITLE</u>	<u>PAGE</u>
Gasket	3 - 4
Sight Glass and Sight Glass Gasket	4
Diaphragm Valve	5 - 6
Circulating Seal Water System	7 - 8
Evaporator Pumps and Replacement Parts	9 -10
Double Solution Pumps and Absorber Pumps	11 -12
Double Solution Pumps and Generator Pumps	13 -14
Jet Purge Parts	15 -17
Jet Purge Pumps and Parts	18 - 22
Control Parts (16C2-16C11)	23 - 24
Control Parts (16C2-16C13)	25 - 26
Capacity Control Valves and Replacement Parts	27
Rupture Disc for Hot Water Machines	27
Spray Nozzles	28
Miscellaneous Parts	29



Cutaway of Typical 16C Absorption Machine



16C Gaskets



HERMETIC ABSORPTION CHILLER

16C

16C GASKETS

ITEM NO.	DESCRIPTION	16C2 - 16C6		16C6.5 - 16C9		16C10 - 16C13	
		QUAN.	PART NUMBER	QUAN.	PART NUMBER	QUAN.	PART NUMBER
A1	Gasket, Absorber Water Box	2	16B4-1183	2	16B7-1183	2	16B11-1744
A2	Gasket, Absorber Water Box Partition	1	#LF50SP-001	1	#LF50SP-001	1	#LF50SP-001
A3	Gasket, Solution Spray Header	1	16C4-1213	1	16C7X-1383	2	16C11X-1383
A4	Gasket, Chilled Water Box	2	16C4-1323	2	16C7X-1673	2	16HA041-2283
A5	Gasket, Chilled Water Box Partition	1	#LF50SP-001	1	#LF50SP-001	1	#LF50SP-001
A6	Gasket, Evaporator Spray Header Cover	2	16C4-1562	2	16C7X-1972	2	16C7X-1582
A7	Gasket, Generator Steam (Supply & Drain)	2	16HA005-2653	2	16HA025-2653	2	16HA041-2653
A7	*Gasket, Hot Water (Supply & Drain)	2	16B11-1243-2	2	16B7-1243-1	2	**16B11-1243-4 **16HA041-2653
A8	Gasket, Condenser Water Box	2	16HA005-2123	2	16HA025-2123	2	16HA041-2123
NS	"O" Ring Gasket, Evaporator Spray Header	1	KK71GV-028	1	KK71GV-033	1	KK71GV-038

NOTE: * For Hot Water Machines Only.

(#) Part Number consists of one (1) 5 Lb. Roll (Approx. 50 Feet)

** 16B11-1243-4 (56 Holes) Check Studs.

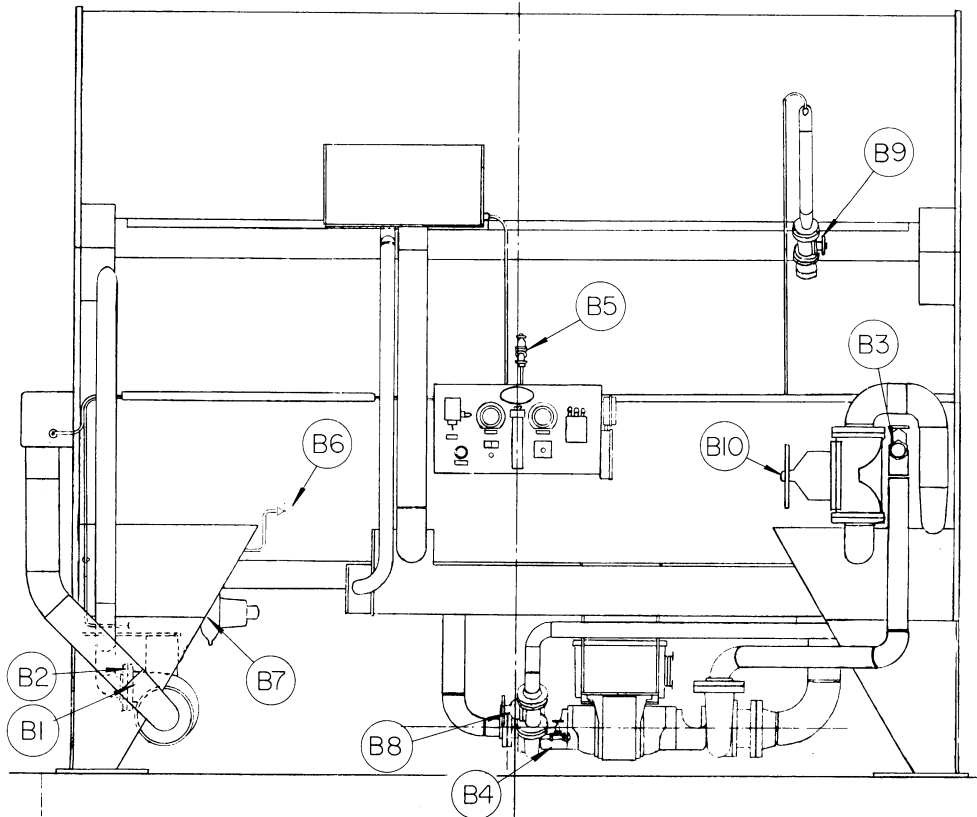
** 16HA041-2653 (29 Holes) Check Studs.

16C SIGHT GLASSES AND GASKETS

DESCRIPTION	QUAN.	16C2 - 16C9	16C10 - 16C13
		PART NUMBER	PART NUMBER
Sight Glass Reflex	1	KM36BE-015	KM36BE-019
Inner Gasket, Reflex Sight Glass	1	16B4-1152	16C11-4032
Outer Gasket, Reflex Sight Glass	1	16C2-4392-1	16C11-4392-1
Sight Glass Bull's Eye	2	KM36AW-105	KM36AW-105
Gasket Bull's Eye Sight Glass	6	R5-1004	R5-1004
Gland For Bull's Eye Sight Glass	2	R5-1001	R5-1001

HERMETIC ABSORPTION CHILLER

16C



16C2-16C13 VALVES AND DIAPHRAGMS

HILLS McCANNA DIAPHRAGM VALVES

ITEM NO.	VALVE SIZE	MACHINE SIZE	DESCRIPTION	QTY.	VALVE PART NO.	DIAPHRAGM PART NO.
B1	1/2	16C2-16C13	*Evaporator Pump Service	1	EF71ZH-004	EF79ZH-004
B2	1/2	16C2-16C13	*Seal Water Supply Valve	1	EF71ZH-004	EF79ZH-004
B3	1/2	16C2-16C13	*Alcohol Charging Valve	1	EF71ZH-004	EF79ZH-004
B4	1/2	16C2-16C13	*Generator Pump Service Valve	1	EF71ZH-004	EF79ZH-004
B5	1/2	16C2-16C13	*Manometer Valve	1	EF71ZH-004	EF79ZH-004
B6	1/2	16C2-16C13	*Reclaiming Valve	1	EF71ZH-004	EF79ZH-004

GRINNELL SAUNDERS DIAPHRAGM VALVES

B1	1/2	16C2-16C12	**Evaporator Pump Service Valve	1	EF71CA-181	EF79ZA-181
B2	1/2	16C2-16C13	**Seal Water Supply Valve	1	EF71CA-181	EF79ZA-181
B3	1/2	16C2-16C12	**Alcohol Charging Valve	1	EF71CA-181	EF79ZA-181
B4	1/2	16C2-16C13	**Generator Pump Service Valve	1	EF71CA-181	EF79ZA-181
B5	1/2	16C2-16C13	**Manometer Valve	1	EF71CA-181	EF79ZA-181
B6	1/2	16C2-16C13	**Reclaiming Valve	1	EF71CA-181	EF79ZA-181

NOTE: Adapter for Items B1 thru B6 - EM99AA-522



HERMETIC ABSORPTION CHILLER

16C

ITEM NO.	VALVE SIZE	MACHINE SIZE	DESCRIPTION	QTY.	VALVE PART NO.	DIAPHRAGM PART NO.
MINNEAPOLIS-HONEYWELL DIAPHRAGM VALVE ***						
B7	1-1/2"	16C2-16C13	Pneumatic Purge Valve	1	EF66BR-010	EF79ZR-110
BLACK SIVALLS AND BRYSON DIAPHRAGM VALVE						
B7	1-1/2"	16C2-16C13	Pneumatic Purge Valve	1	EF66BR-010	EF79ZA-421
HILLS McCANNA DIAPHRAGM VALVE						
B8	1-1/2"	16C2-16C6	Generator Pump Discharge Valve	1	EF71ZR-110	EF79ZR-110
B8	2"	16C6.5-16C11	Generator Pump Discharge Valve	1	EF71ZT-108	EF79ZT-108
B8	3"	16C12-16C13	Generator Pump Discharge Valve	1	EF71ZX-108	EF79ZX-108
B9	1-1/2"	16C6.5-16C11	Vapor Condensate Valve	1	EF71ZR-110	EF79ZR-110
B9	1-1/2"	16C12-16C13	Vapor Condensate Valve	2	EF71ZR-110	EF79ZR-110
B10	2-1/2"	16C2-16C5	Strong Solution Valve	1	EF71ZT-110	EF79ZT-110
B10	3"	16C6	Strong Solution Valve	1	EF71ZX-108	EF79ZX-108
B10	4"	16C6.5-16C9	Strong Solution Valve	1	EF71ZX-110	EF79ZY-110
B10	5"	16C10-16C11	Strong Solution Valve	1	EF71ZY-111	EF79ZY-111
B10	6"	16C12-16C13	Strong Solution Valve	1	EF71ZY-112	EF79ZY-111

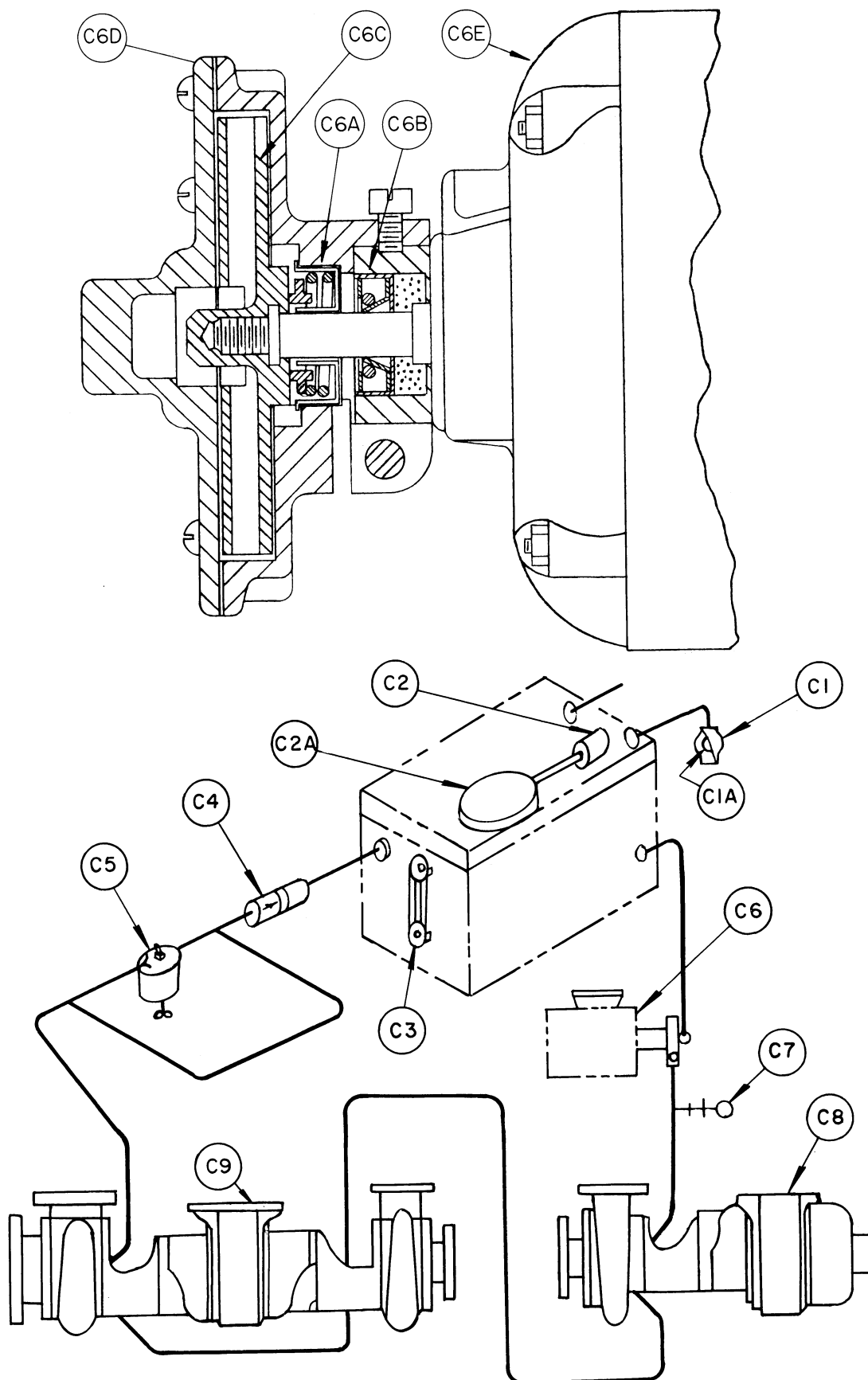
NOTE: Check vendor name stamped on valve to insure ordering correct replacement diaphragm.

* Used on machines shipped previous to 8/1/58.

** Used on machines shipped after 8/1/58.

*** Diaphragm for actuator - Honeywell P/N 30045541-801

Some machines have purge reclaiming valve EP81BT-211 which is no longer available. For replacement order EF71ZH-004 if diaphragm for EP81BT-211 is required, order EF89BT-211.



Circulating Seal Water System



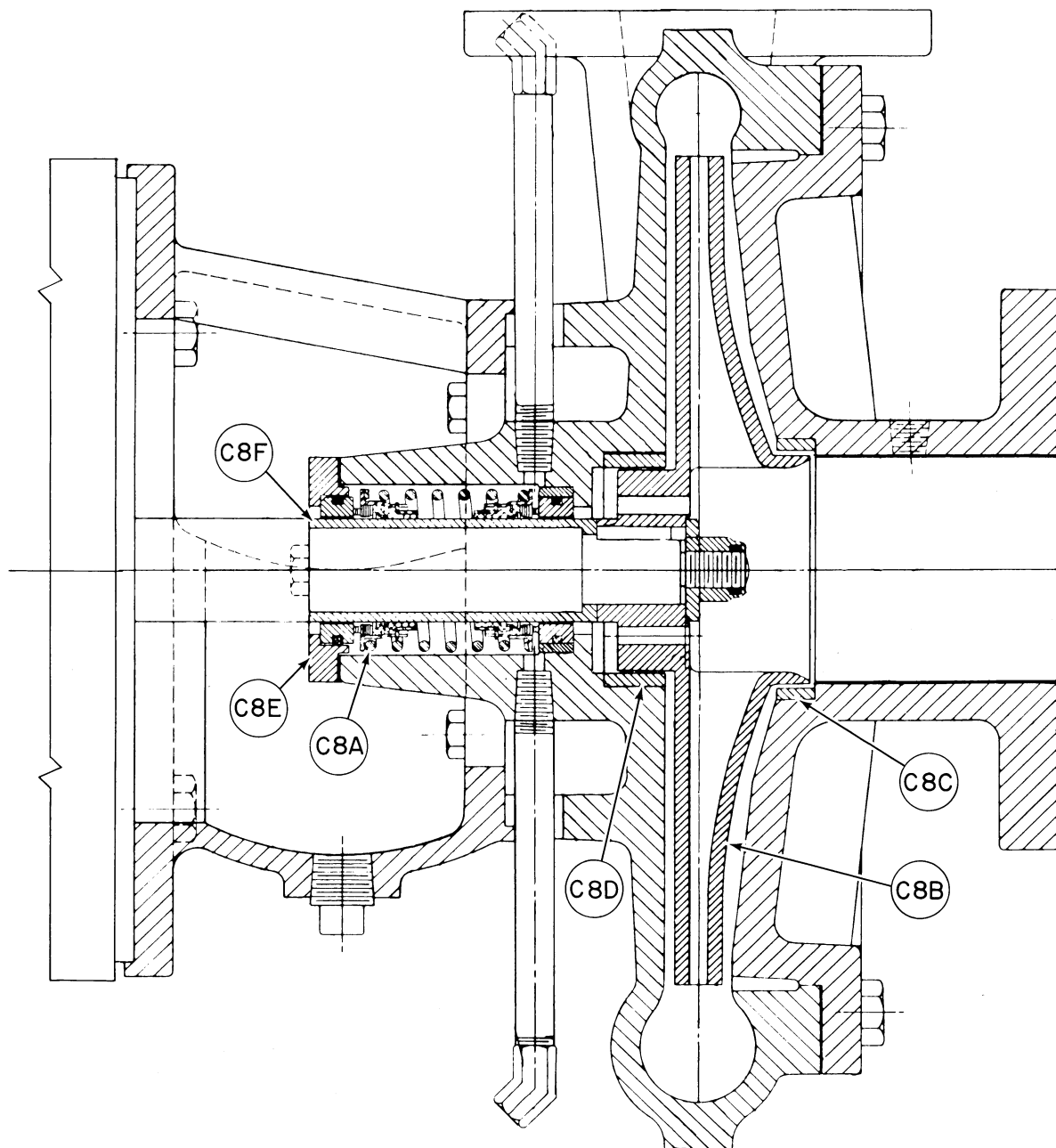
HERMETIC ABSORPTION CHILLER

16C

CIRCULATING SEAL WATER SYSTEM

16C2 - 16C13

ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
C1	Check Valve Assembly	1	16B4-182
C1A	Check Valve Ball	1	KA78US-125
C2	Float Valve Assembly	1	EC12AH-006
C2A	Float Ball only for Float Valve Assembly	1	EC19AH-006
NS	Orifice Seat for Float Valve Assembly	1	EC19AZ-012
C3	Gauge Glass Assembly (Valves included)	1	KM31AH-060
NS	Gauge Glass only	1	KM39AH-070
NS	Gauge Glass Gaskets	6	KM39AH-500
C4	Flow Control Valve (Dole)	1	EB38CZ-121
C5	Full-Flo Filter Assembly	1	KH34RQ-060
NS	Filter Cartridge	1	KH39ZQ-420
C6	Recirculating Pump	1	KK02RA-020
C6A	Shaft Seal	1	KK75WA-316
C6B	Lip Seal (Motor)	1	KK75ZA-016
C6C	Impeller	1	KK75RA-017
C6D	Gasket	1	KK75RA-016
C6E	Motor (Complete Pump & Motor Assembly)	1	KK02RA-020
NS	Motor Bearing (New Departure #87013)	2	KT04CG-040
C7	Pressure Gauge	1	KM01AQ-320
C8	Evaporator Pump	1	See Pgs. 10-11
C9	Double Solution Pump	1	See Pgs. 12-15



Evaporator Pump



HERMETIC ABSORPTION CHILLER

16C

EVAPORATOR PUMPS AND REPLACEMENT PARTS

ITEM NO.	DESCRIPTION	MACHINE SIZE 16C2 - 16C4 PUMP SIZE 2CCM	MACHINE SIZE 16C5 PUMP SIZE 2-1/2 CCM	MACHINE SIZE 16C6 PUMP SIZE 3CCM	MACHINE SIZE 16C6.5 -16C9 PUMP SIZE 3CCM	MACHINE SIZE 16C10 -16C13 PUMP SIZE 4CCS
C8	Evaporator Pump	Not Available	Not Available	Not Available	Not Available	Not Available
C8A	Seal Assembly	KK75XA-802	KK75XA-802	KK75XA-802	KK75XA-802	KK75XA-802
C8B	Impeller	#KK75XA-507	KK75XA-520	KK75XA-510	KK75XA-511	*KK75XA-515
C8B	Impeller	##KK75XA-513	-	-	-	**KK75XA-522
C8C	Casing Cover Wearing Ring	#KK09XA-052	KK09XA-053	KK09XA-130	KK09XA-130	KK09XA-050
C8C	Casing Cover Wearing Ring	##KK09XA-020	-	-	-	-
C8D	Casing Wearing Ring	KK09XA-020	KK09XA-020	KK09XA-030	KK09XA-030	*KK09XA-051
C8D	Casing Wearing Ring	-	-	-	-	**KK09XA-050
C8E	+Gland	+KK09XA-260	KK09XA-261	KK09XA-261	KK09XA-261	KK09XA-261
C8E	++Gland	++KK09XY-010	-	-	-	-
C8F	Sleeve	KK75XB-072	KK75XB-072	KK75XB-072	KK75XB-072	KK75XB-072

NOTE: * 4CCS Evaporator Pump with serial number 214162-C and lower use these items.

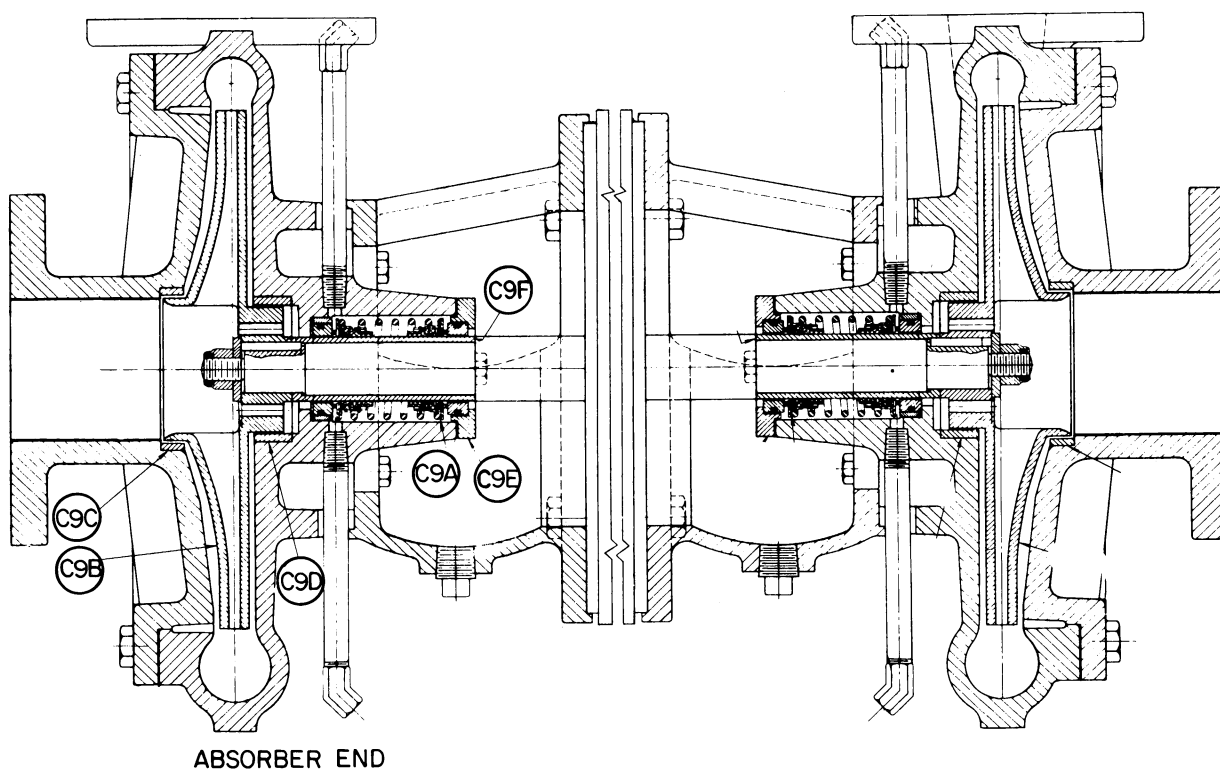
** 4CCS Evaporator Pump with serial number higher than 214162-C use these items.

+ Used on Pumps with Pump S/N 225853 and lower.

++ Used on Pumps with Pump S/N 225854 and higher.

Used on Pumps with Pump S/N 226927 and lower unless field modified to use later design Impeller and Wearing Ring.

Used on Pumps with Pump S/N 226928 and higher.



Double Solution Pump — Open



HERMETIC ABSORPTION CHILLER

16C

DOUBLE SOLUTION PUMPS AND REPLACEMENT PARTS

ABSORBER PUMPS

ITEM NO.	DESCRIPTION	MACHINE SIZE 16C2 - 16C6 PUMP SIZE 3CCS	MACHINE SIZE 16C6.5 -16C7 PUMP SIZE 3CCM	MACHINE SIZE 16C8 - 16C9 PUMP SIZE 4CCS	MACHINE SIZE 16C10 -16C11 PUMP SIZE 5CCS	MACHINE SIZE 16C12 -16C13 PUMP SIZE 5CCS
C9	Double Solution Pump Assembly	Not Available	Not Available	Not Available	Not Available	Not Available
C9A	Seal Assembly	KK75XA-802	KK75XA-802	KK75XA-802	#KK75XA-804	#KK75XA-804
C9A	Seal Assembly	-	-	-	##KK75XA-806	##KK75XA-806
C9B	Impeller	KK75XA-521	KK75XA-512	Not Available	KK75XA-509	KK75XA-508
C9B	Impeller	-	-	**KK75XA-523	-	-
C9C	Casing Cover Wearing Ring	KK09XA-053	KK09XA-130	KK09XA-050	KK09XA-056	KK09XA-056
C9D	Casing Wearing Ring	KK09XA-020	KK09XA-030	*KK09XA-051	KK09XA-090	KK09XA-090
C9D	Casing Wearing Ring	-	-	**KK09XA-050	-	-
C9E	Gland	+KK09XA-260	KK09XA-261	KK09XA-261	#KK09XA-264	#KK09XA-264
C9E	Gland	++KK09XY-010	-	-	##KK09XA-262	##KK09XA-262
C9F	Sleeve	KK75XB-084	KK75XB-084	KK75XB-084	#KK75XB-082	#KK75XB-082
C9F	Sleeve	-	-	-	##KK75XB-080	##KK75XB-080

NOTE: * 4CCS Absorber Pump with Pump serial number 214162-C and lower use these items.

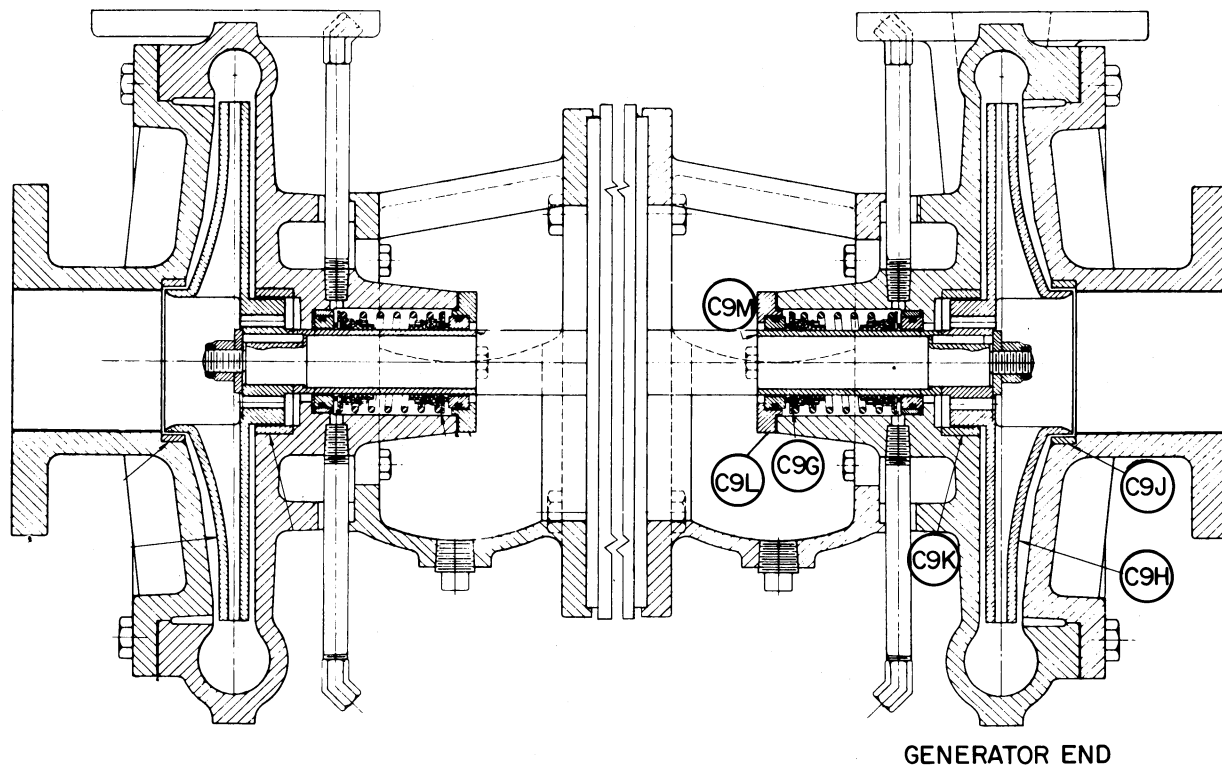
** 4CCS Absorber Pump with a Pump serial number higher than 214162-C use these items.

5CCS Absorber Pump with Pump serial number 204111 and lower use these items.

5CCS Absorber Pump with a Pump serial number higher than 204111 use these items.

+ Used on Pumps with serial number 225300 and lower.

++ Used on Pumps with serial number 225301 and higher.



Double Solution Pump — Open



HERMETIC ABSORPTION CHILLER

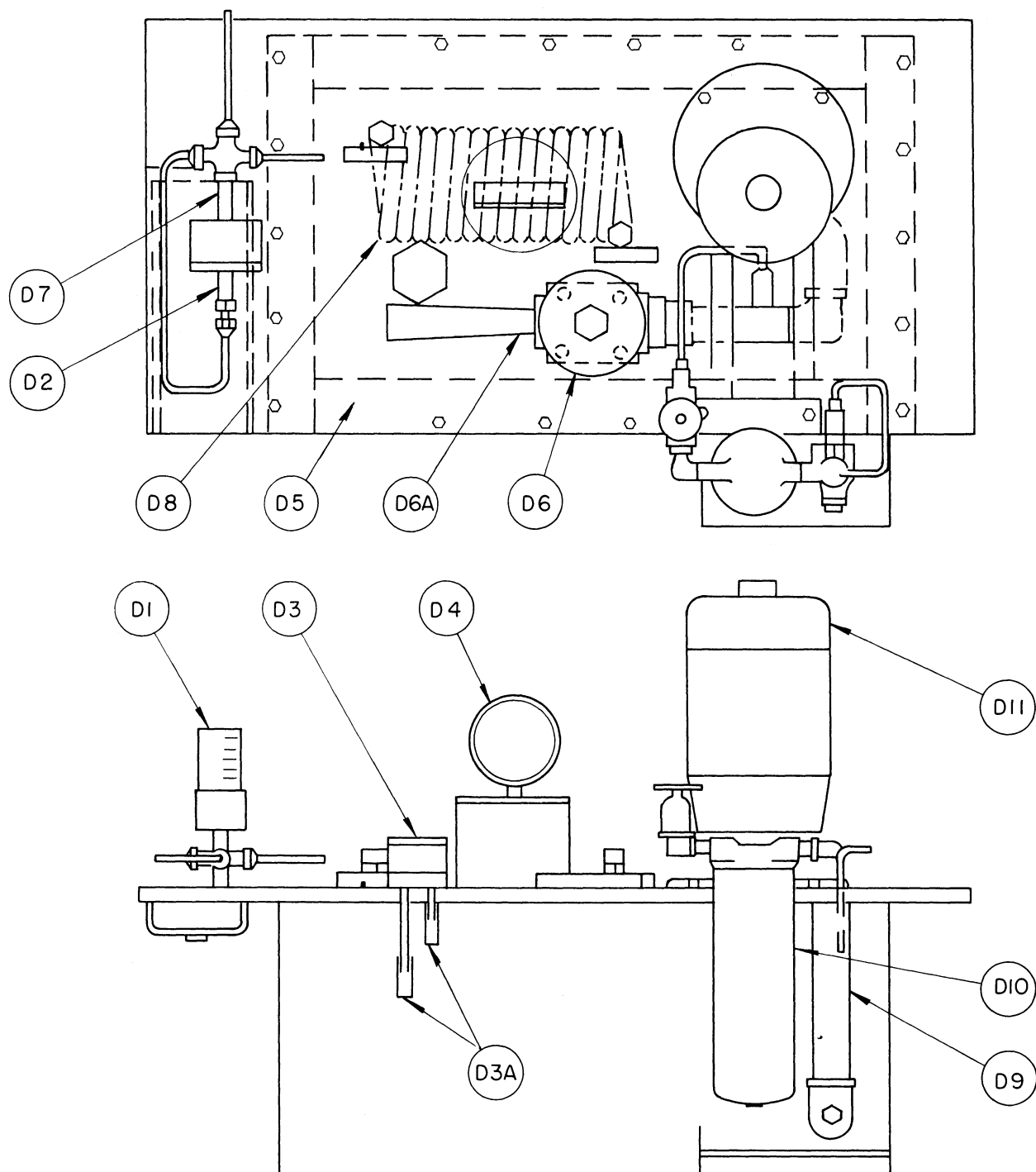
16C

DOUBLE SOLUTION PUMPS AND REPLACEMENT PARTS

GENERATOR PUMPS

ITEM NO.	DESCRIPTION	MACHINE SIZE 16C2 - 16C6 PUMP SIZE 1-1/2 CCL	MACHINE SIZE 16C6.5 -16C7 PUMP SIZE 2CCO	MACHINE SIZE 16C8 - 16C9 PUMP SIZE 2CCO	MACHINE SIZE 16C10 -16C11 PUMP SIZE 2CCO	MACHINE SIZE 16C12 -16C13 PUMP SIZE 3CCL
C9	Double Solution Pump Assembly	Not Available	Not Available	Not Available	Not Available	Not Available
C9G	Seal Assembly	KK75XA-802	KK75XA-802	KK75XA-802	KK75XA-802	#KK75XA-804
C9G	Seal Assembly	-	-	-	-	##KK75XA-806
C9H	Impeller	KK75XA-506	#KK75XA-615	#KK75XA-616	#KK75XA-617	KK75XA-505
C9H	Impeller	-	##KK75XA-518	##KK75XA-519	##KK75XA-517	-
C9J	Casing Cover Wearing Ring	KK09XA-057	KK09XA-120	KK09XA-120	KK09XA-120	KK09XA-130
C9K	Casing Wearing Ring	KK09XA-054	#KK09XA-020	#KK09XA-020	#KK09XA-020	KK09XA-030
C9K	Casing Wearing Ring	-	##KK09XA-055	##KK09XA-055	##KK09XA-055	-
C9L	Gland	*KK09XA-260	See Note 1	See Note 2	See Note 3	#KK09XA-265
C9L	Gland	**KK09XY-010	See Note 1	See Note 2	See Note 3	##KK09XA-262
C9M	Sleeve	KK75XB-084	KK75XB-084	KK75XB-084	KK75XB-084	#KK75XB-082
C9M	Sleeve	-	-	-	-	##KK75XB-080

- NOTE:
- * 1-1/2 CCL Generator Pump with S/N 225300 and lower use this item.
 - ** 1-1/2 CCL Generator Pump with S/N higher than 225300 use this item.
 - # 2 CCO and 3 CCL Generator Pump with S/N 204111 and lower use this item.
 - ## 2 CCO and 3 CCL Generator Pump with S/N higher than 204111 use this item.
 - 1) KK09XA-220 used on 2 CCO Pump KK03XA-070 with S/N 204111 and lower.
KK09XA-260 used on 2 CCO Pump KK03XA-070 with S/N 204111 thru 224570.
KK09XY-010 used on 2 CCO Pump KK03XA-070 with S/N higher than 224570.
 - 2) KK09XA-220 used on 2 CCO Pump KK03XA-090 with S/N 204111 and lower
KK09XA-260 used on 2 CCO Pump KK03XA-090 with S/N 204111 thru 226023.
KK09XY-010 used on 2 CCO Pump KK03XA-090 with S/N higher than 226023.
 - 3) KK09XA-220 used on 2 CCO Pump KK03XA-110 with S/N 204111 and lower.
KK09XA-260 used on 2 CCO Pump KK03XA-110 with S/N 204111 thru 225129.
KK09XY-010 used on 2 CCO Pump KK03XA-110 with S/N higher than 225129.



***Jet Purge Parts**



HERMETIC ABSORPTION CHILLER

16C

*JET PURGE PARTS

16C2 - 16C13

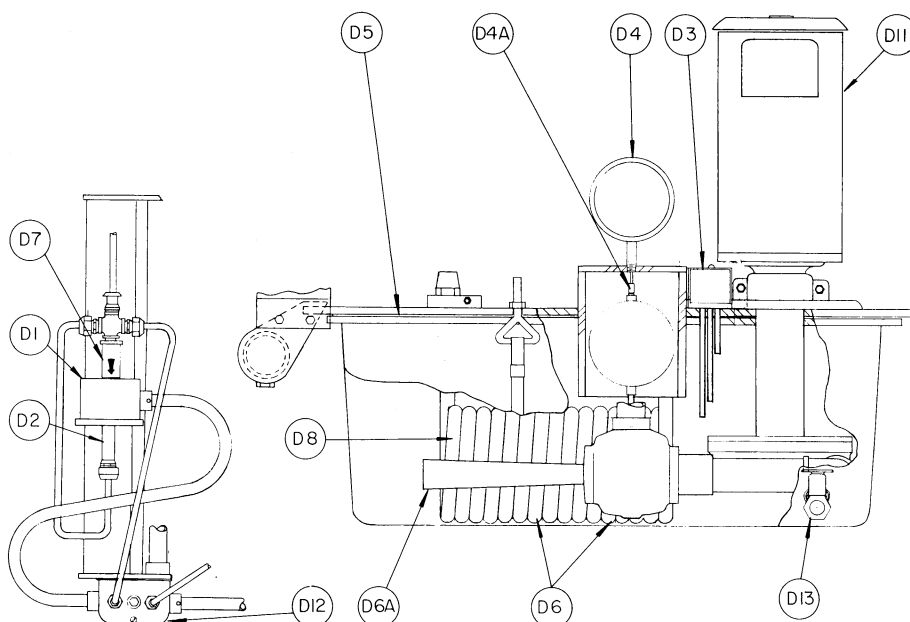
ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
D1	Pressuretrol	1	HK02AB-012
D2	Tee Restrictor	1	EV78AZ-001
D3	Probe Level Control	1	16C4-001
D3A	Brass Probes (For Level Control)	2	16C4-4321
D4	High Level Cut-Out	1	HK14BA-016
NS	Float Ball & Stem for High Level Cut-Out	1	HK19BX-016
D5	Gasket for Purge Tank (Neoprene Sponge 8 ft. Long)	1	16E52-112
D6	**Jet Evacuator Assembly	1	CN01AA-375
	Includes:		
NS	Body for jet evacuator		
D6A	Diffuser for jet evacuator (Stainless Steel)		
NS	Nozzle for Jet Evacuator	1	CN09XA-255
D7	Air Check Valve	1	EC37JD-016
D8	Cooling Coil	1	16B7-5603
D9	Sight Glass	1	16B7-6662
D10	Filter Assembly	1	KH33QA-016
	Includes:		
	(1) Filter Cartridge (1 only with shell gasket)	1	KH39QZ-001
D11	Purge Pump and Motor Assembly (Shown in detail on pages 22-23)	1	KK02ZA-038

**Used on machines shipped previous to 6/1/59*

***Stock only the assembly*

HERMETIC ABSORPTION CHILLER

16C



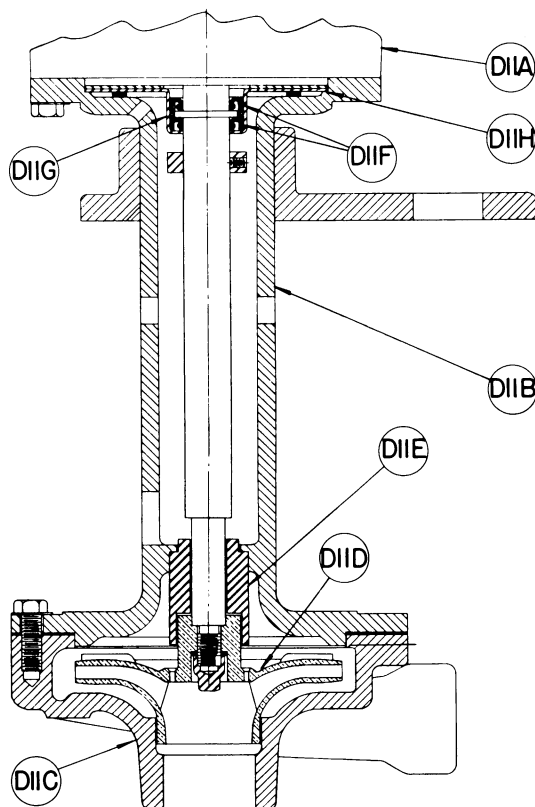
ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
D1	Pressuretrol	1	HK02AB-012
D2	Tee Restrictor	1	EV78AZ-001
D3	Probe Level Control	1	HK19HZ-022
D4	High Level Cut-out	1	HK14BA-016
D4A	Float Ball & Stem for High Level Cut-out	1	HK19BX-016
D5	Gasket for Purge Tank (Neoprene Sponge 8 ft. long)	1	16E52-112
D6	Jet Evacuator Assembly	1	CN01AA-375
NS	Includes:		
D6A	Body for Jet Evacuator		
	Diffuser for Jet Evacuator (Stainless Steel)		
NS	Nozzle for Jet Evacuator	1	CN09XA-255
D7	Air Check Valve	1	EC37JD-016
D8	Cooling Coil	1	16B7-5603
D11	Purge Pump and Motor Assembly (Shown in detail on Pgs. 22 & 23)	1	KK02ZA-038
D12	Electric Pneumatic Relay	1	HL73MC-016
D13	1/2" Service Valve	1	EF71CA-181
NS	Purge Hardware Package	1	16C2-381A
NS	Replacement Diaphragm for Service Valve	1	EF79ZA-181
NS	Adapter	1	EM99AA-522

Note: This adapter is no longer included with the EF79ZA-181 (1/2") diaphragm, and if required, must be ordered separately.

** Used on machines shipped after 6/1/59.*

HERMETIC ABSORPTION CHILLER

16C



SERIAL NUMBER 1-5216-41567 TO 5216-47597

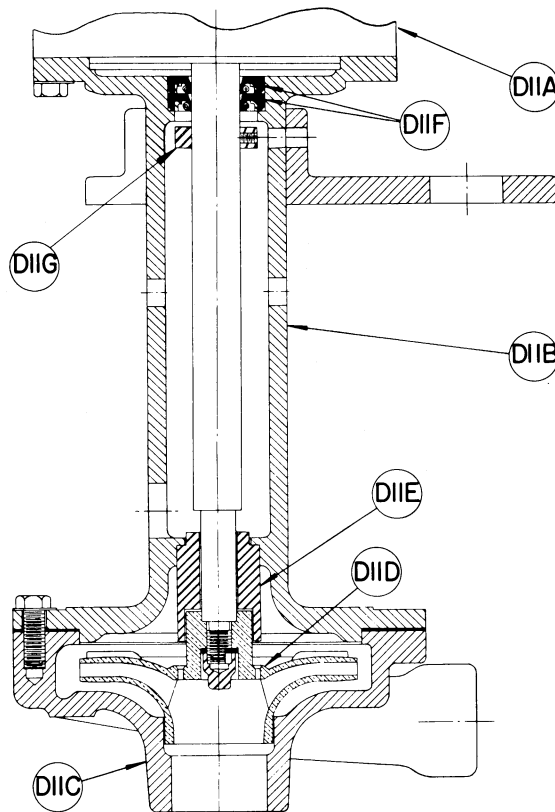
16C2 - 16C13

ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
D11	Jet Purge Pump Assembly	1	See Note
D11A	Motor only (Threaded Shaft) (Replacement TEFC motor)	1	See Note
D11B	Adapter Cover Plate	1	KK75KZ-200
D11C	Casing	1	KK75KZ-100
D11D	Impeller Stainless Steel (Threaded 60 Hz.)	1	KK75KA-032
D11D	Impeller Stainless Steel (Threaded 50 Hz.)	1	KK75KA-034
D11E	Shaft Bushing	1	KK75KB-016
D11F	Garlock Seal for .875 Shaft	2	KK75KD-016
D11F	Garlock Seal for .980 Shaft	2	KK75KD-017
D11G	Garlock Spacer	1	KK75KF-016
D11H	Garlock Can	1	KK75KC-016
NS	Motor Bearings SKF-62052Z	2	

Note: Original Pump and Motor are not available. For replacement, order KK02ZA-038. If piece parts are required, order above items.

HERMETIC ABSORPTION CHILLER

16C

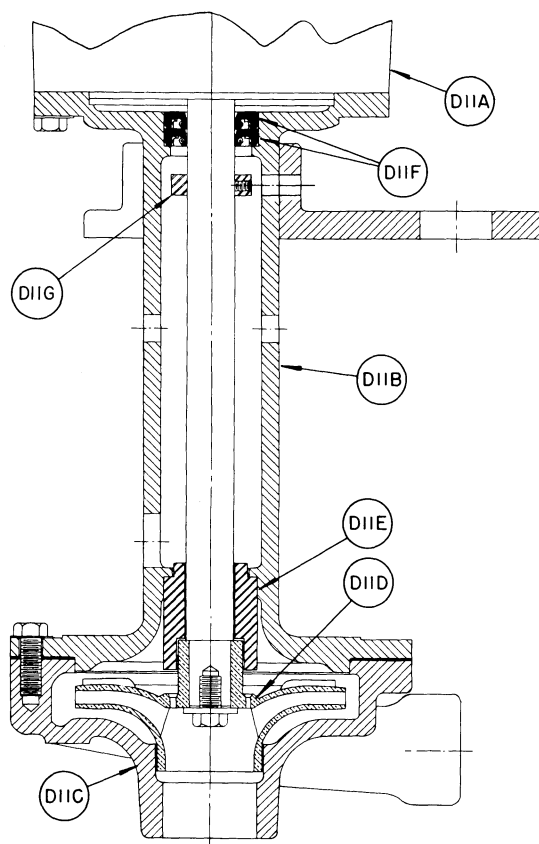


SERIAL NUMBER 1-5216-47676 TO 1-5216-49539

16C2 - 16C13

ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
D11	Jet Purge Pump Assembly	1	See Note
D11A	Motor only (Threaded Shaft TEFC)	1	See Note
D11B	Adapter Cover Plate	1	KK75KZ-020
D11C	Casing	1	KK75KZ-100
D11D	Impeller Stainless Steel (Threaded 60 Hz.)	1	KK75KA-032
D11D	Impeller Stainless Steel (Threaded 50 Hz.)	1	KK75KA-034
D11E	Shaft Bushing	1	KK75KB-016
D11F	Garlock Seal for .969 Shaft	2	KK75KD-020
NS	Motor Bearing SKF-462205	2	
D11G	Slinger Ring	1	KK75KE-020

Note: Original Pump and Motor are not available. For replacement, order KK02ZA-038.
If piece parts are required, order above items.



Jet Purge Pump (Allis Chalmers Keyed Shaft)

SERIAL NUMBER 1-5216-49652 TO *1-52456

16C2 - 16C13

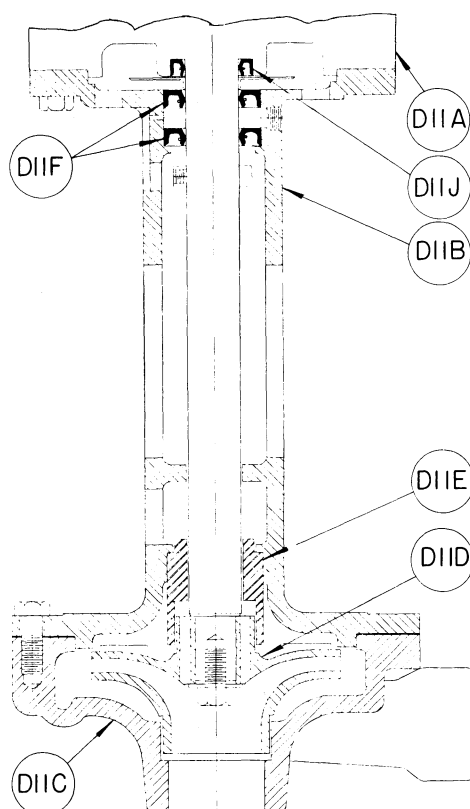
ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
D11	Jet Purge Pump Assembly	1	See Note
D11A	Motor Only (Keyed Shaft)	1	HD56TR-220
D11B	Adapter Cover Plate	1	N/A
D11C	Casing	1	N/A
D11D	Impeller Stainless Steel (Keyed 60Hz)	1	N/A
D11D	Impeller Stainless Steel (Keyed 50Hz)	1	N/A
D11E	Shaft Bushing	1	N/A
D11F	Garlock Seal for .969 Shaft	2	KK75KD-020
NS	Motor Bearing SKF-462205	2	N/A
D11G	Slinger Ring	1	N/A

**Earlier 5216 prefix was dropped on later phases of Pumps.*

Note: Original Pump not available. For replacement Pump, order KK02ZA-038. If piece parts are required, order the above items. Parts labeled N/A are declared not available and are replaced by Buffalo Pump No. KK02ZA-038.

HERMETIC ABSORPTION CHILLER

16C



Jet Purge Pump (Allis Chalmers Keyed Shaft)

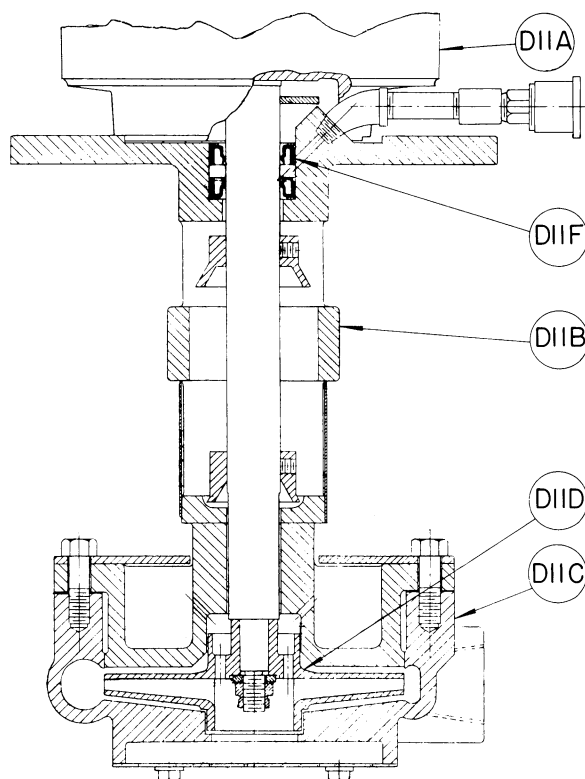
SERIAL NUMBER 1-52627 AND ABOVE

16C2 - 16C13

ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
D11	Jet Purge Pump Assembly	1	KK02ZA-038
D11A	Motor Only (Keyed 1-3/8" Shaft)	1	HD56TR-225
D11B	Adapter Cover Plate	1	—
D11C	Casing	1	—
D11D	Impeller Stainless Steel (Keyed 60Hz)	1	—
D11D	Impeller Stainless Steel (Keyed 50Hz)	1	—
D11E	Shaft Bushing	1	KK75KB-030
D11F	Garlock Seal for 1-3/8" Shaft End	2	KK75KD-024
D11J	Garlock Seal for 1-3/8" Motor End	1	KK75KD-021
NS	Motor Bearing - Motor End (Upper) MRC-205SFF	1	
NS	Motor Bearing - Motor End (Lower) MRC-207SFF	1	

HERMETIC ABSORPTION CHILLER

16C

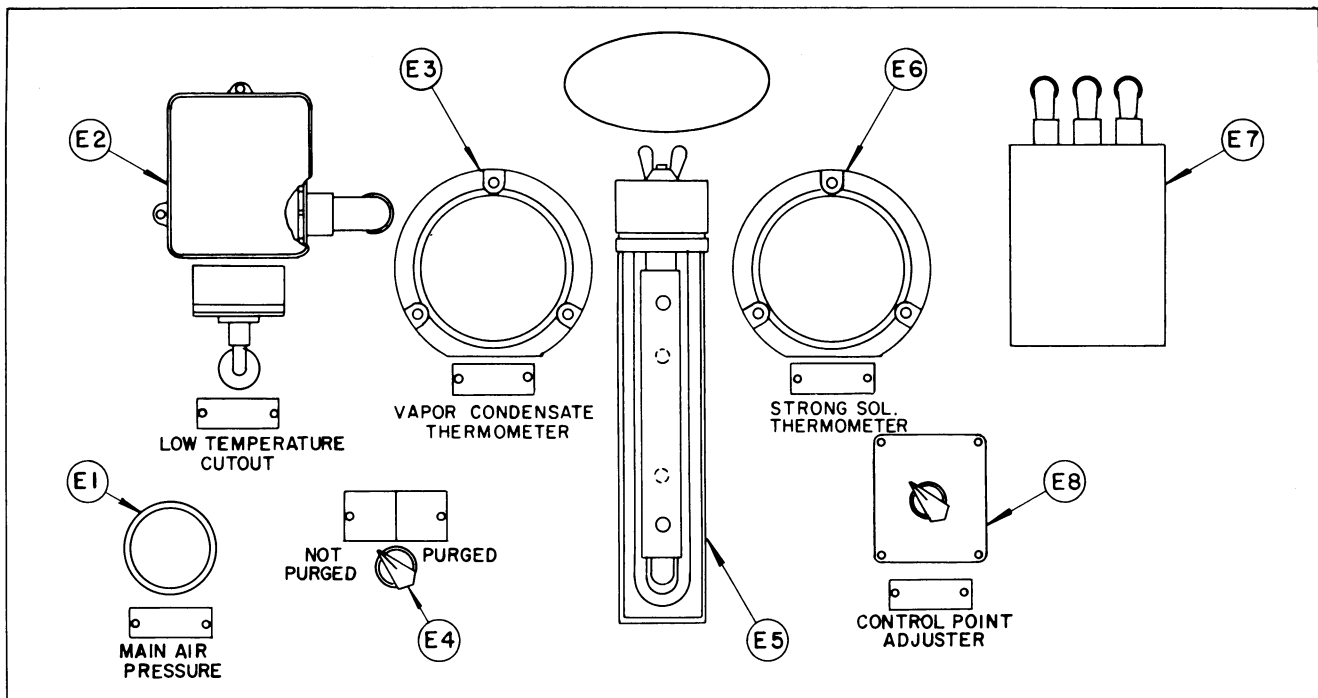


JET PURGE PUMP (BUFFALO KEYED SHAFT)

16C2 - 16C13

ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
D11	Jet Purge Pump Assembly (S/N 219493 and lower) Original Pump not available. Order Pump listed below.	1	
D11	Jet Purge Pump Assembly (S/N 219494 and higher)	1	KK02ZA-038
D11A	Motor Only (Keyed Shaft)	1	HD56TZ-851
D11B	*Adapter Cover Plate	1	KK75XE-038
D11C	*Casing	1	KK75XE-039
D11D	Impeller Stainless Steel (60Hz) (S/N 210176C and higher)	1	KK75XA-714
D11D	Impeller Stainless Steel (60Hz) (S/N 210175 and lower)	1	16C2-4402
D11D	Impeller Stainless Steel (50Hz)	1	KK75XA-713
D11F	Oil Seal for Shaft (Victor #60222)	2	KK75XD-100
NS	Motor Bearing - Motor End (Upper) MRC-304SZZC	1	KT12QZ-025
NS	Motor Bearing - Shaft End (Lower) MRC-205SZZC	1	KT12QZ-017

*Note: *Order both D11B and D11C when either part is required for Pump with S/N 228844 and lower.*



Control Panel for 16C2 - 16C11 Machines



HERMETIC ABSORPTION CHILLER

16C

CONTROL PARTS FOR 16C2 - 16C11 CONTROL PANELS

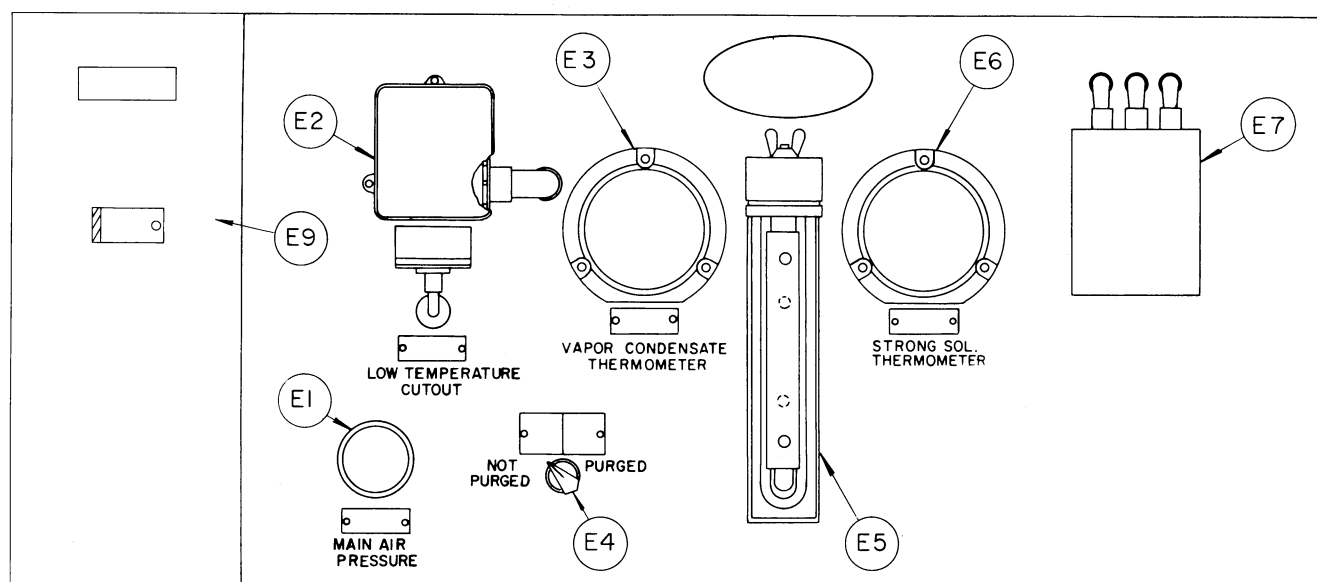
ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
E1	Main Air Supply Gauge	1	KM01AQ-320
E2	Low Temperature Cut-out	1	HH24AB-004
E3	Vapor Condensate Thermometer	1	KM11AC-360
E4	Manual Electric Purge Switch (Toggle Switch)	1	HR53ME-040
NS	Knob for Purge Switch	1	KA21GA-001
E5	Manometer	1	KM07AY-051
E6	Strong Solution Thermometer	1	KM11AC-365
E7	Electric Pneumatic Switch (110 Volts)	1	HL73DC-009
	Includes:		
	Instruction Sheet	1	99TA550074
E8	Control Point Adjustor Rheostat	1	HT24AA-135
NS	*Photo Switch Level Control	1	HK18PZ-016
NS	**Photo Switch Level Control	1	16C2-001
NS	Stop-Start Switch Assembly	1	See Note #1
	Includes:		
	***Stop-Start Switch only	1	HR73ZS-025
	***Glass and Gasket Kit for Stop-Start Switch	1	16C4-211
	***Red Bulb for Stop-Start Switch	2	HY17BK-016
	***Green Bulb for Stop-Start Switch	2	HY17BK-018
	***Retainer Ring for Glass on Stop-Start Switch	1	HR73XJ-015
NS	Condenser Water By-Pass Thermostat	1	N/A
	Use the following:		
	Controller	1	HL15ME-100
	Sensor	1	HL15ME-110
	Well	1	HL79MZ-100
NS	Insertion Thermostat Chilled Water	1	HH19AZ-020
NS	100 Second Time Delay (Control Relay)	1	HN76HZ-016
NS	Motor Assembly for Capacity Control Valve	1	See Note #2
	Includes:		
NS	Vacuum Tube (12AX7)	1	HT69AA-111
NS	Vacuum Tube (5963)	1	HT69AA-102
NS	Motor Linkage for Capacity Control Valve	1	EF09BZ-016

Notes: *Used on machines shipped previous 6/1/59.

**Used on machines shipped after 6/1/59 with new style Purge with a low level safety.

Note #1 - Assembly not available. Order piece parts marked (***).

Note #2 - The tube type motor is no longer available, but the tubes for the motor are. If a complete motor is required, order the solid state motor HF19MA-055. The first time this motor is used you must order a new CPA 16JA010-2962 and a new temperature sensor HH19AZ-031.



Control Panel for 16C12 - 16C13 Machines



HERMETIC ABSORPTION CHILLER

16C

CONTROL PARTS FOR 16C12 - 16C13 - CONTROL PANEL

ITEM NO.	DESCRIPTION	QUANTITY	PART NUMBER
E1	Main Air Supply Gauge	1	KM01AQ-320
E2	Low Temperature Cutout	1	HH24AB-004
E3	Vapor Condensate Thermometer	1	KM11AC-360
E4	Manual Electric Purge Switch	1	HR56WX-053
NS	Knob for Purge Switch	1	KA21GA-001
E5	Manometer	1	KM07AY-051
E6	Strong Solution Thermometer	1	KM11AC-365
E7	Electric Pneumatic Switch (110 Volt)	1	HL73DC-009
E9	Electronic Control Panel	1	HH82AZ-016
NS	*Photo Switch Level Control	1	HK18PZ-016
NS	**Photo Switch Level Control	1	16C2-001
NS	Stop-Start Switch Assembly Includes:	1	See Note #1
NS	***Stop-Start Switch Only	1	HR73XJ-016
NS	***Glass and Gasket Kit for Stop-Start Switch	1	16C4-211
NS	***Red Bulb for Stop-Start Switch	S 2	HY17BK-016
NS	***Green Bulb for Stop-Start Switch	S 2	HY17BK-018
NS	***Retainer Ring for Glass on Stop-Start Switch	1	HR73XJ-015
NS	Condenser Water By-Pass Thermostat	1	HL12MA-103
NS	Insertion Thermostat Chilled Water	1	HH19AZ-020
NS	100 Second Time Delay (Control Relay)	1	HN76HZ-016
NS	Vacuum Tube (12AX7)	S 2	HT69AA-111
NS	Vacuum Tube (5963)	S 2	HT69AA-102
NS	Motor Assembly for Capacity Control Valve	1	HF12AA-115
NS	Motor Mounting Bracket	1	EF09ZB-871

Note: *Used on machines shipped previous to 6/1/59.

**Used on machines shipped after 6/1/59 with
new style Purge with a low level safety.

1) Assembly not available, order piece parts
marked (***).



HERMETIC ABSORPTION CHILLER

16C

CAPACITY CONTROL VALVES AND REPLACEMENT PARTS

MACHINE SIZE	VALVE SIZE	VALVE PART NUMBER	QUAN.	PACKING PART NUMBER	QUAN.	SPACER PART NUMBER	QUAN.	GLAND PART NUMBER
16C2-16C3	2-1/2"	EF02BV-010	3	EF09ZB-204	2	EF09ZB-300	1	EF09ZB-104
16C4-16C5	3"	EF02BX-010	3	EF09ZB-204	2	EF09ZB-300	1	EF09ZB-104
16C6	4"	EF02BY-010	3	EF09ZB-204	2	EF09ZB-300	1	EF09ZB-104
16C6.5-16C9	5"	EF02BZ-010	3	EF09ZB-204	2	EF09ZB-300	1	EF09ZB-104
16C10-16C11	6"	EF02BZ-020	3	EF09ZB-204	2	EF09ZB-300	1	EF09ZB-104
16C12-16C13	8"	EF09MB-871	5	EF09ZB-201	-	None	1	EF09ZB-100
16C12-16C13	8"	*EF04BZ-010						

Note: *Part number is for complete Valve with Motor and Linkage.

RUPTURE DISCS FOR HOT WATER MACHINES

PART NUMBER	SIZE	RUPTURE PRESSURE
EB59LY-032	2	Set to burst at 30 PSIG
EB59LX-015	3	Set to burst at 15 PSIG
EB59LY-034	4	Set to burst at 30 PSIG
EB59LY-033	3	Set to burst at 30 PSIG
16C4-2241-2	6	Set to burst at 30 PSIG
16C4-2241-3	8	Set to burst at 30 PSIG
16C13-2101-1	10	Set to burst at 30 PSIG
16C13-2101-2	10	Set to burst at 15 PSIG



HERMETIC ABSORPTION CHILLER

16C

SPRAY NOZZLES

16C2 - 16C13

MACHINE SIZE		SOLUTION SPRAY NOZZLE	EVAPORATOR SPRAY NOZZLE
		NOZZLE CAP LH12MB-038	NOZZLE CAP LH12MB-038
		NOZZLE BODY LH13MB-026	NOZZLE BODY LH13MB-026
		QUANTITY	QUANTITY
16C2-16C4		39	46
16C5		54	60
16C6		72	82
16C6.5-16C7		88	74
16C8-16C9		116	96
16C10-16C11		148	100
16C12-16C13		216	146



HERMETIC ABSORPTION CHILLER

16C

MISCELLANEOUS PARTS

ITEM NO.	DESCRIPTION	PART NUMBER
1	Octyl Alcohol S	16B4-1551
2	Tube Cleaning Brush 5/8" O.D. Tube S	KC21AH-005
3	Tube Cleaning Brush 3/4" O.D. Tube S	KC21AH-105
4	Lithium Bromide (30 Gallon Drum)	PS16CP-030
5	*Lithium Bromide (10 Gallon Drum)	PS20BL-260
6	Impeller Puller	16B4-4432
7	Seal Mounting Cone (1-3/8" Seal)	16B4-2131
8	Seal Mounting Cone (1-1/2" Seal)	16B7-2131
9	Seal Mounting Cone (1-5/8" Seal)	16C10-4211
10	Seal Installation Tool (1-3/8" Seal)	16B4-4242
11	Seal Installation Tool (1-1/2" Seal)	16B4-4252
12	Seal Installation Tool (1-5/8" Seal)	16C11-4462
13	Silicone Grease (For Remote Bulb Well)	16C4-1551
14	**Gasket Material (Durabla 1/16" Thick X 5' Wide X 5' Long)	ZA0021-1655
15	**Gasket Material (Durabla 1/32" Thick X 5' Wide X 5' Long)	ZA0021-3255
16	**Gasket Material (Ethylene Propylene 1/16" Thick X 3' Wide X 5' Long)	QR01-37-3516
17	**Gasket Material (Ethylene Propylene 1/32" Thick X 3' Wide X 5' Long)	QR01-37-3532

Note: *Service replacement only, will be shipped F.O.B. shipping point.

**Part number is for one (1) sheet. To be ordered in sheets only.