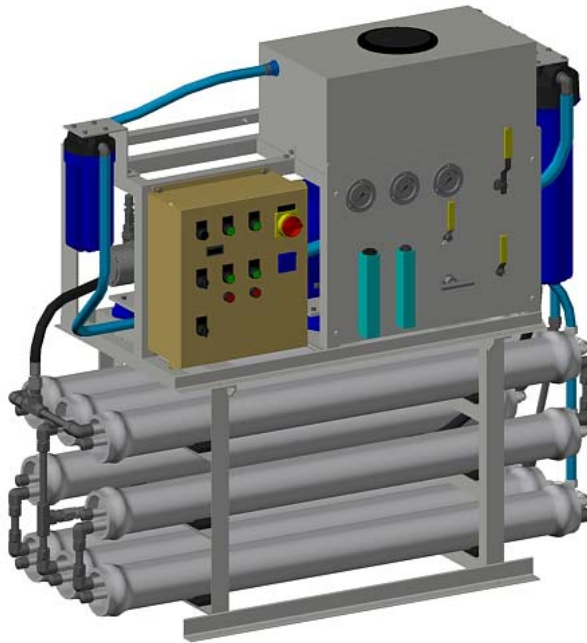


December 2015

**PARTS CATALOG
SEA WATER DESALINATOR
AQUA-SEP SERIES II
MODEL 25 TPD**



Compass
water solutions

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This parts catalog is a reference for all of the following
Model numbers and Serial numbers manufactured
prior to the date of this document.

Model Number	Description
ASSD2525225-MCS	AQUA-SEP SERIES II, 25 TPD

Serial Numbers:

33469 *	33509	33514
33486 *	33510	33565
33487 *	33512	33577

Serial Numbers with * May have custom items not shown or listed in this document.
For assistance with these additional items contact CWS at "parts@compasswater.com"

COMPONENT PART NUMBERS & DESCRIPTIONS

NOTE: Some items listed are optional and may not be included on your Aqua-Sep system

<u>ITEM</u>	<u>COMPONENT NAME</u>	<u>DESCRIPTION</u>
1.	Control Box (Various)	Houses the electrical controls, wiring and safety switches. Refer to System Manual For Control Box Drawings. <i>(fig #1)</i>
2.	Membrane Housings & Membrane Elements	High pressure housing for spiral wound membranes. Reject dissolved solids. Only pure water permeates the membranes. Converts seawater to potable water. Housings MHSA1440 , Element MSHH0441-H <i>(fig #1 & #8)</i>
3.	Cleaning Solution Filter	Removes silt and sediment from cleaning solution. Filter Housing: FCHQ7010 Filter Element: FCAE3010 <i>(fig #1 & #4)</i>
4.	Desalinator Frame	Serves to mount the system and houses the piping and booster pump/motor. <i>(fig #1)</i>
5.	Cleaning Solution Tank Assy.:	Tank for mixing cleaning solution. (Full Assy. ASCT120110) (Tank Only ASCT100175) <i>(fig #4)</i>
6.	Operating Pressure Gauge Assy.	Indicates system operating pressure. ASOG120705 (Gauge only GALK0438 , High Press. Switch SWMS0016) <i>(fig #3)</i>
7.	Feed Pressure Gauge Assy.	Indicates the cartridge filter outlet and booster pump inlet pressure. ASFG120705 (Gauge only GALK0406 , Low Press. Switch SWMS0430) <i>(fig #3)</i>
8.	Inlet Pressure Gauge Assy.	Indicates the cartridge filter inlet pressure. ASIG120705 (Gauge Only GALK0406) <i>(fig #3)</i>
9.	Operate/Clean Inlet Valve Assy.	Diverts flow during operating or cleaning mode. ASIV120705 <i>(fig #3)</i>
10.	Operate/Clean Outlet Valve Assy.	Diverts flow during operating or cleaning mode. ASOV120705 <i>(fig #3)</i>
11.	Cleaning Tank Drain Valve Assy.	Used to drain the cleaning solution tank. ASDV120705 <i>(fig #3)</i>
12.	Pressure Control Valve Assy.	Variable orifice back pressure valve. Maintains system feedwater pressure sufficient to permeate the membranes. ASCV120705 <i>(fig #3)</i>

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<u>ITEM</u>	<u>COMPONENT NAME</u>	<u>DESCRIPTION</u>
13.	Flowmeter "Product Water"	Provides instantaneous indication of product water production in gallons per minute and liters per minute. FMTR50500 (fig #3)
14.	Flowmeter "Reject Water"	Provides instantaneous indication of water being rejected in gallons per minute and liters per minute. FMTR50750 (fig #3)
15.	Cartridge Filter Housing	Contains replaceable filter cartridge (1 micron). Filter Housing: FCHQ1520 Filter Element: FCCH0120 (fig #7)
16.	Cartridge Filter Housing	Contains replaceable filter cartridge (5 micron). Filter Housing: FCHQ1520 Filter Element: FCCH0520 (fig #7)
17	Booster Pump / Motor Assy.	Complete Pump/Motor Assy. (fig #5) ASBP250004 (When Ordering, Provide System Voltage)
18.	Electric Motor	7.5 H.P. motor with 213TC Frame (fig #5) MTRD13075C (When Ordering, Provide System Voltage)
19.	Booster Pump	APP 2.2 (fig #5 & #6) PUDS2200
20.	-	-
21.	Pressure Relief Valve	¼" Stainless Steel Valve Body Valve VRHS0400 Aqua-Sep Set Spring (750-1500 PSI) ASPS0001 (fig #5 & #6)
22.	Motor Mounts	Vibration Dampeners. VBIR0507 (fig #5)
23.	Bell Housing *	Connects Booster Pump to Motor Housing (fig #5)
24.	Flex Coupling *	Couples Motor and Pump (fig #5)
		* Items 23 & 24 are sold as a set PPBH2201
25.	Product Valve Assy.	Controls Direction of flow based on the quality of the Processed Water. (fig #7) 120 VAC – ASPV120705-120 220 VAC – ASPV120705-220
26.	Solenoid Valve (1/2")	120 VAC – VSDB0840 (fig #7) 220 VAC – VSDB0850

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<u>ITEM</u>	<u>COMPONENT NAME</u>	<u>DESCRIPTION</u>
27	TDS Probe	Checks quality of processed water. (fig #7) MPCS1000
28.	Drain Manifold	ASDM120705 (fig #7)
29.	High Pressure Hose Assy. (3/4" x JIC-37°)	These are made to fit. Please indicate "End to End" measurement. Replace "--" in part number with the length in inches. ASHA12 -- (fig #8) [Example: ASHA1275 = 75 inches long]
30.	Misc. Hoses & Tubing Details	Product Tubing (3/8" x 1/4" I.D.) TUVC0406 5/8" Tubing (Vinyl Braid) TUVB1000 1" Tubing (Vinyl Braid) TUVB1600 [Refer to Drawing 123008 For Full Details]

PART NUMBERS & DESCRIPTIONS

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ITEM	PART NUMBER	DESCRIPTION
A.	FCAE3010	Cleaning Filter Element
B.	ASCT100175	Cleaning Tank (Tank Only – No Fittings)
C.	PABS1212 (2x)	Pipe Adapter, 3/4" BSP to NPT
D.	PAKS1200 (2x)	Adapter Gasket, 3/4" SS, BSP
E.	PNXS1200	Pipe Nipple, SS Sch 80, 3/4" x Close
F.	PTXS1200	Pipe Tee, SS #3000, 3/4"
G.	PBXS1204	Pipe Bushing, SS Sch 80, 3/4" x 1/4"
H.	PBTX0804	Pipe Bushing, PVC Sch 80, 1/2" x 1/4"
I.	PNTS0400	Pipe Nipple, SS, 1/4" x Close
J.	PEGX0800	Pipe Adapter Elbow, 1/2" Hose x FNPT
K.	FEMS1237	Flare Elbow, 3/4" MNPT x 3/4" - 37° Hose
L.	PNTS1200	Pipe Nipple, SS, 3/4" x Close
M.	PBTS1612	Pipe Bushing, SS 1" x 3/4"
N.	PTTS1600	Pipe Tee, SS, 1"
O.	PEHX1600	Pipe Adapter Elbow, PVC, 1" Hose x MNPT
P.	ITSM0400	Insta-Tube, Straight Male 1/4"
Q.	PBTS1604	Pipe Bushing, SS, 1" x 1/4"
U.	PETS0800	Pipe Elbow, SS, 1/2"
V.	PUTS0800	Pipe Union, SS, 1/2"
W.	PNTS0800 (6x)	Pipe Nipple, SS, 1/2" x Close

* There is no item "R", "S", or "T" in this list

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<u>ITEM</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>
X.	PAHX0812	Pipe Adapter, 1/2" Hose x 3/4" MNPT
Y.	PTTX1200	Pipe Tee, PVC Sch 80, 3/4"
Z.	PBTX1208	Pipe Bushing, Threaded PVC, 3/4" x 1/2"
AA.	PTTS1200	Pipe Tee, SS, 3/4"
BB.	FTEM0608	Fast & Tite Elbow, 3/8" Tube x 1/2" MNPT
CC.	FTFS1237 (2x)	Flare Tee, 3/4" x 37° Hose
DD.	FCNS1237 (2x)	Flare Nut, 3/4"
EE.	FCSS1237 (2x)	Flare Sleeve, 3/4"
FF.	PQTX0800 (8x)	Pipe Cap, 1/2" Threaded
GG.	FTEF0800 (8x)	Fast & Tite Elbow, 1/2" Tube x FNPT
HH.	CEFS1200 (16x)	Compression Elbow, 3/4" Tube x FNPT
II.	CTBS1200 (2x)	Compression Tee, 3/4"
J J.	TUSS1200	Tubing, 3/4"
KK.	MSDA0400 (16x)	Membrane Saddle 4"
LL.	FTTR0800 (6x)	Fast & Tite Run Tee, 1/2" Tube x MNPT
MM.	FTFM0800	Fast & Tite, 1/2" Tube x MNPT
NN.	PTTX0800	Pipe Tee, Threaded PVC Sch 80, 1/2"
OO.	PNTX0800	Pipe Nipple, PVC Sch 80, 1/2" x Close

CONSUMABLES & REBUILD PARTS

NOTE: Some items listed are optional and may not be included on your Aqua-Sep system

<u>PART NUMBER</u>	<u>DESCRIPTION</u>
PDVK1525	Booster Pump Valve Plate Set, APP 1.5 – 2.5
PDSK1525	Booster Pump Seal Set, APP 1.5 – 2.5
PDPS1525	Booster Pump Piston Set, APP 1.5 – 2.5
PDRS2225	Booster Pump Retainer Set, APP 2.2 – 2.5
ORGN1122	O-Ring, BB Filters
ORGN1120	O-Ring, Cleaning Filter
ASAC1000	Aqua-Sep Membrane Cleaner – Acid 2 lbs. (Mix 2 lbs. with 15 gallons of Water)
ASAL2000	Aqua-Sep Membrane Cleaner – Alkaline 2 lbs. (Mix 1 lb. with 15 gallons of Water)
SBSP0001	Aqua-Sep Preservative, Sodium Bisulfate 50 lbs. pail
FCAE3010	Cleaning Filter
FCCH0120	Filter Element: (1 micron) x 20” Long, BB
FCCH0520	Filter Element: (5 micron) x 20” Long, BB
FCWQ1500	Filter Housing Wrench, BB
VRKD0800	Solenoid Valve Rebuild Kit ½”