DUBFS1C

Brine Filtering System

Install & Operating Instructions

12-8-20

1. The system ships pre-plumbed on a stainless base plate. Simply connect 2" hoses with 2" camlock couplers (and 2" ball valves) onto the 2" male cam adaptors on the left and right sides of the BFS1C. The left side is for the supply hose ("in") and the right side is for the exit hose ("exit"). The supply hose will run from your Brine Production System into the "in" port and the discharge hose will run from the "exit" port to your brine storage tank. Important note: do include a 2" ball valve just behind each camlock coupler on both hoses where they connect to the BFS1C; this will allow you to disconnect and "bypass" the complete BFS1C whenever you desire to do so. In that case, you will want to install a 2" male adaptor X 2" male adaptor to connect the two hoses (TK 200FF).

2. This brine filtering system includes two "self-cleaning" line strainers. These strainers are designed to continually flush sediment out the bottom of the strainer and into the clear tubing coming out the bottom. If you want to run the strainers continuously, then be sure to run the tubing back into the top of your brinemaker hopper as they discharge approx. 9 GPM each (this will slow your overall brine production down but also makes cleaner brine).

3. You can also keep the valve on the bottom of the strainers closed and run them like standard strainers. In this case, you will want to open the bottom valves approx. once every 30 minutes and run the sediment into a suitable bucket or waste container (you can then dump that sediment back into your brinemaker's salt hopper).

4. With either method, watch the clear discharge tubing to be sure it does not get clogged with sediment. If the tubing gets clogs, you should disconnect it and flush it out thoroughly.

5. You will still need to clean the strainer screens themselves every few hours. To do this, simply turn off the 2" ball valves located on the inlet and outlet of ONE of the strainers and also turn off the valve on the bottom of that strainer. Then unscrew the strainer housing from the top rim, remove the stainless screen and flush it thoroughly, then re-install the screen and open up the valves again. You should be able to continue running brine thru the other strainer while you are cleaning one strainer.

DUBFS1C PARTS LIST

AS OF 12/8/20

PART NUMBER	DESCRIPTION	QUANTITY
TKPHB3410	3/4” MPT x 1” HB Poly Fitting	1
TKM221G	2” Full Port EPDM Flange Gasket	18
TKV25271	90 Mounting Bracket	4
TKMV220CF	2” Full Port Valve Flange x Flange	4
TKFC200	2” Flange Clamp	4
TKPEL3434	¾” x ¾” Poly Elbow	2
TKM700C	2” Flg x 1-1/2” MPT Adapter	4
TKM220CPG90	2” x 2” Full Port Flanged 90 Elbow	4
TKP075F	¾” Poly Adapter	2
TKP075B	¾” Poly Coupler w/ Guide	2
TKM201G	2” Std Port EPDM Flange Gasket	4
TKFC220	2” Full Port Flange Clamp	18
TKM220200CPG	Flngd Reducer 2” FP x 2” STD Port	4
TK900-3/4XCL	¾ x Close Poly Nipple	1
TK908-3/4	¾” 90 Poly Street Elbow	1
TKUV075FP	¾” Banjo Econo Valve	2
TK906-3/4	¾” Poly Tee	1
TKM220TEE	2” Full Port Flanged Tee	2
DUBP3633-SS	36” X 33” SS Base Plate	1
ZVMP620-12	½” – 1-1/4” Hose Clamp	2
ZVMP620-16	11/16” – 1-1/2” Hose Clamp	2
TF1009	1” Clear Vinyl Tubing	25 feet
TF1007	¾” Clear Vinyl Tubing	2 feet
TKM220A	2” Male Adapter x 2” Full Port Flange	2
TKM220CPG6	2” X 6” Full Port Coupler	4
SSAA126MLSC650	1-1/2 Poly Strainer, 50M Screen	2