

85400 Drain Shut-Off Valve Assembly

Installation and Adjustment Instructions

Removal

First, remove the stainless steel retainer ring (85031) that holds down the foam filter and screen assembly, by squeezing the ends together and pulling up. Remove the foam filter. Loosen and remove the hex screw (using a 1/4" drive ratchet and 3/16" hex socket) in the upper clamp.



Figure 1: Wrench on Clamp

Use a thin blade screwdriver to open or increase the gap in the upper clamp. Move the drain valve handle to the middle of the spill container.

Pull up on the handle to remove the drain valve assembly.

Inspection

Inspect the spill container for any dirt, sand, debris, and for any damaged parts. Remove all dirt, gravel, debris, from the bottom of the spill container and replace any damaged O-rings and parts. Remove any burrs on the black steel riser made by the removal of the adapter.

Installation

1. Before installing the drain valve into the spill bucket, adjust the handle position so that it is approximately 1" from being over-center. After moving the handle, make sure the upper and lower rings are parallel by checking dimension "A" – it should be even all around (Figure 2).



Figure 2: Handle in Raised Position

2. Slide the drain valve over the riser and firmly push down on the LOWER clamp (Figure 3). Make sure it is pushed all the way down and check to see that the upper clamp does not cover any of the riser slots.



Figure 3: Install Drain Valve

3. Tighten the hex screw on the upper clamp to 80-100 in-lbs (Figure 1).

4. Check the drain valve for proper operation. Move the handle to the closed position (Figure 4).

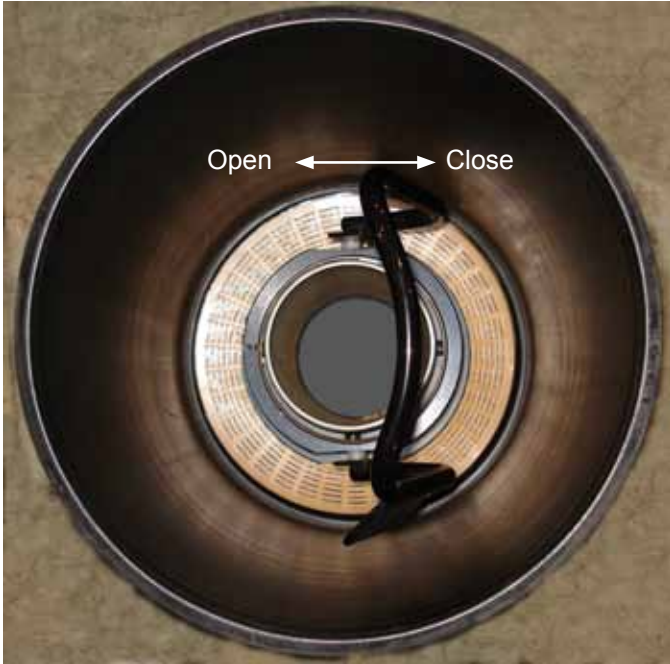


Figure 4: Drain Valve Installed

5. The handle should have a positive “snap” feeling. If the handle is too hard to close or too loose (no snap), re-adjust the handle per the “ADJUSTMENT” instructions.
6. If the handle closing is adequate, re-install the foam filter and the stainless steel retainer ring.

Adjustment

1. Move the handle to the open position, and loosen the hex screw
2. Pull up on the drain assembly slightly to unseat it from the bottom of the bucket.
3. Adjust the handle:
 - If the handle is too tight, move the handle away from the center of the riser
 - If the handle is too loose, move the handle towards the center of the riser
4. Once repositioned, firmly push down on the lower ring to make sure the drain valve is seated fully.
5. Re-tighten the hex screw (80-100 in-lbs).
6. Re-check the drain valve for proper operation.
7. Re-install the foam filter and the stainless steel retainer ring.



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