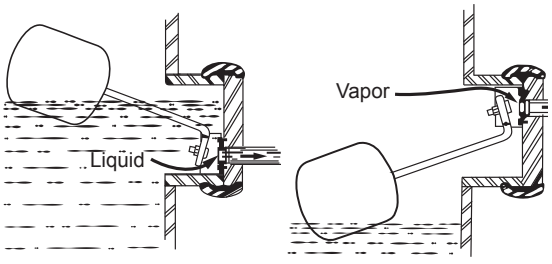
Model CQ-401
Level Controls – Float Type
Continuous Drain Float Valve

Bulletin SSIN010 Issue/Rev. 0.1 (8/17)

The **INVALCO Model CQ-401** offers dual purpose action to automatically discharge vapor or liquid from a tank. The continuous drain valve is widely used in the bottom of fuel gas scrubbers to provide continuous drainage of the accumulated liquids and thus prevent transfer of the liquid to the burner section.

Installations



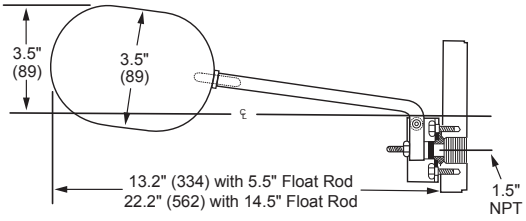
Automatic Drain Off Automatic Vapor Discharge

Operation

For liquid drain-off applications when the liquid rises above the float level the valve will open allowing discharge to the 1/2" NPT. For the gas/vapor venting applications, when the liquid level is below the float, the valve will open allowing discharge to the 1/2" NPT.

The valve assembly can be switched from liquid to gas vapor or vise-versa by rotating the valve 180 degrees.

Dimensions



Dimensions – Inches to the nearest tenth (millimeters to the nearest whole mm), each independently dimensioned from engineering drawings.

Standard Specifications

Float
3-1/2" x 6" long 316 S.S.

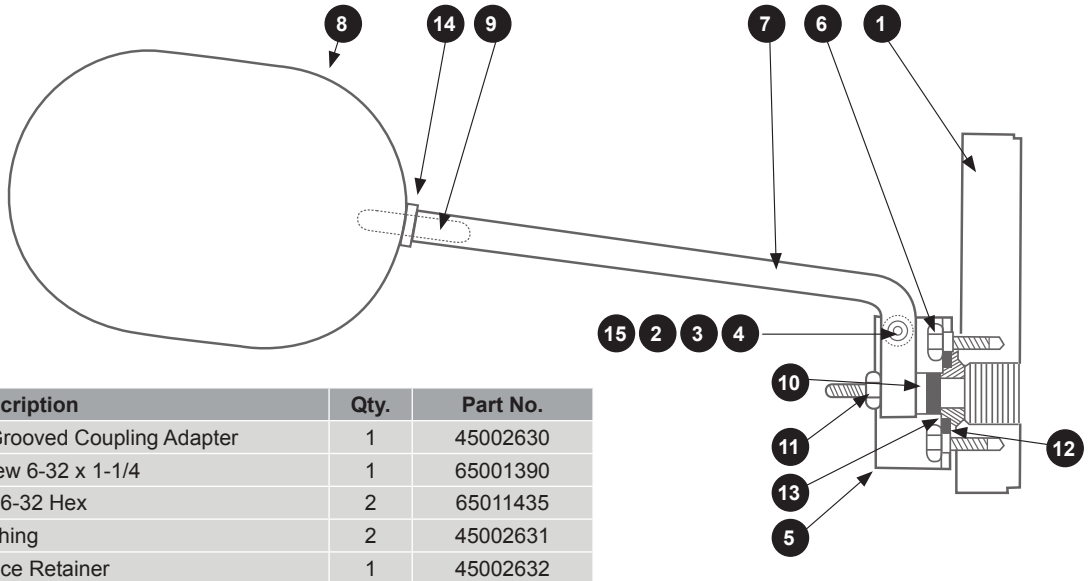
Orifice
1/4", 1/8", 3/16", and 3/8" available.

Float Rod
5-1/2" long furnished as standard. 14-1/2" long available.

Mounting Connector
4" grooved coupling adapter

Flapper
Molded Nitrile

Parts



Item	Notes	Description	Qty.	Part No.
1		4" Grooved Coupling Adapter	1	45002630
2		Screw 6-32 x 1-1/4	1	65001390
3		Nut 6-32 Hex	2	65011435
4		Bushing	2	45002631
5		Orifice Retainer	1	45002632
6		Screw 1/4-20 x 1/2 HHCS	2	65006602
7		Float Rod-5-1/2" (Std.)	1	45002629
		Float Rod-14-1/2" (Spec.)	1	45003152
8	*	Float Ball, 3-1/2 x 6 316 SS	1	45005655
9		Screw 1/4-20 x 3/4 SHSS	1	65006033
10		Flapper	1	45001941
11		Nut 10-24 Hex	1	65008007
12	*	Orifice Gasket	1	45002628
13	*	Orifice 1/8"	1	45002493
		Orifice 3/16"	1	45002494
		Orifice 1/4"	1	45002495
		Orifice 3/8"	1	45002496
14		Washer 1/4 Lock	1	65006386
15		Washer #6 Tooth Lock	1	65007693

Parts Key: *Recommended spare parts.

Ordering Information

To Order: Specify part number and catalog model number.

*List prices do not include grooved coupling, clamps or nozzle.

Catalog Model Number	Nozzle Pipe Size	Orifice	Part Number	Approx. Shipping Weight
CQ-401-820	4"	1/8"	80003102	5 lb
CQ-401-820	4"	3⁄16"	80003103	5 lb
CQ-401-820	4"	1/4"	80003105	5 lb
CQ-401-820	4"	3/8"	80003106	5 lb

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

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