



**CESCO Magnetics**

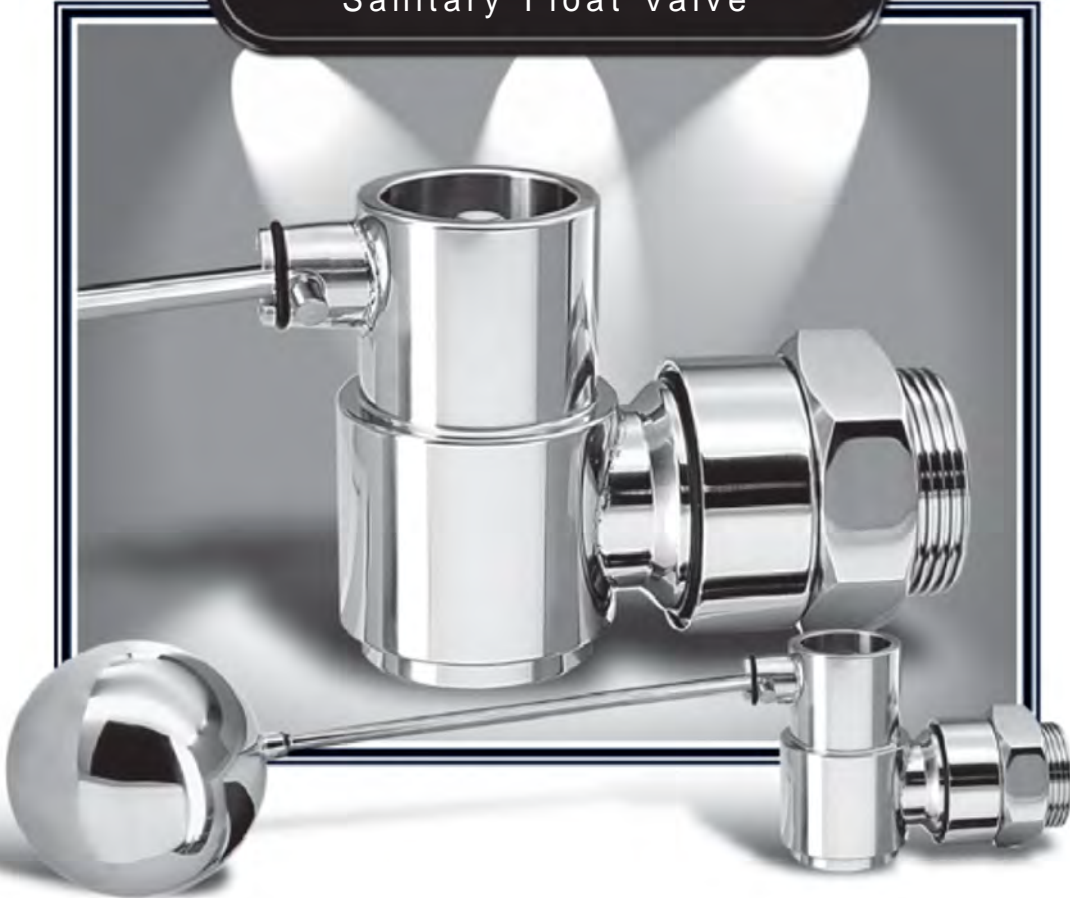
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S E R V I N G   T H E   F O O D   I N D U S T R Y   S I N C E   1 9 4 6

## • QLK • Sanitary Float Valve



### DESCRIPTION:

A rugged, sanitary float valve which combines quick disassembly/assembly with easy cleaning. Sanitary finish both inside and out allows the valve to be fully submerged. The balanced plug with O-ring seals provides positive sealing. It can withstand inlet pressures up to 60 psi. It handles 100 gallons per minute at 60 psi.

### FEATURES:

- Easy Installation
- Rugged Construction
- Easy Cleaning and Assembly
- Smooth Open/Closing Action
- Full Flow Design
- 316 Stainless Construction

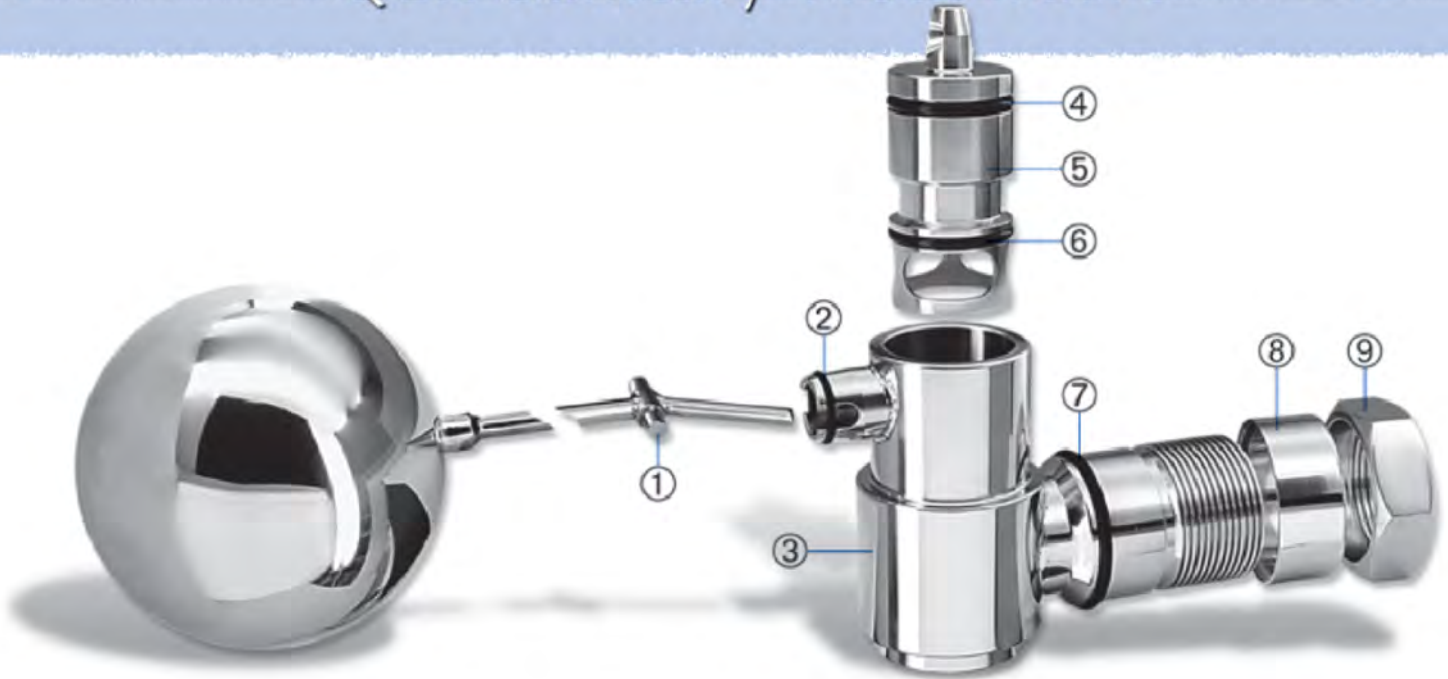
### USE:

1. Level Control and Overflow Prevention where very narrow variation in liquid levels are tolerated
2. Throttle Flow Rates
3. Reduce Pressure
4. Moderate flow when discharge rate varies
5. Supply low pressure, even flow rate, (foam prevention)
6. General level control whenever simple maintenance, economy, avoidance of complicated devices or electrical connections are important factors

**CESCO builds QUALITY equipment made to your satisfaction**

**CESCO for all your magnetic separator needs.**

# QLK Sanitary Float Valve



## QLK FLOAT VALVE INSTALLATION INSTRUCTIONS:

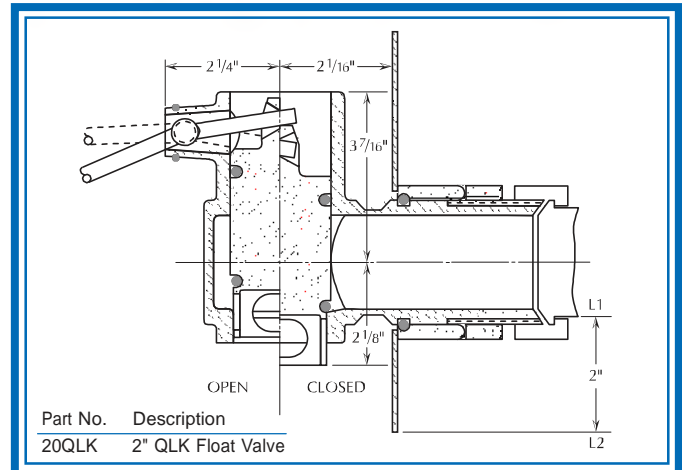
1. Determine the desired liquid level.
2. The valve height should be located so that the maximum liquid level is between (L1) and (L2), see sketch.
3. Mark wall of tank and cut hole accordingly. Weld tank sleeve (8) to the outside of the tank wall. Remove burrs.
4. Insert valve body (3) with tank seal O-ring (7) in place.
5. Secure body to tank with lock nut (9).
6. Insert float ball pivot (1) into valve body, locking with O-ring (2).
7. Make sure that incoming feed line is properly supported and does not expose valve and tank wall to strain.
8. Connect inlet line to valve.
9. To minimize foaming, connect 2 1/2" Tygon tubing (customer provided) to the valve outlet, directing liquid to bottom of tank.
10. Test valve in place to find liquid level necessary to open and close valve under normal operating conditions.
11. Make final liquid level adjustments by bending float rod.
12. Suggested O-ring supply for one year: 6 pieces of Item (2) and (7) and 12 pieces of Items (4) and (6) (see chart).

## AVAILABLE OPTIONS:

1. Teflon coated O-rings (Items 4 & 6) where application requires more lubricity
2. Viton O-rings (Items 4 & 6) where application requires higher temperatures
3. Float assembly in type 316SS
4. Customer specified float arm length - between 6" & 18" - 12" is standard

## NOTES:

1. Due to varying conditions in each system, Q-Control Valves should be installed and tested in-place before being relied upon for operation.
2. Information provided is general and may not apply to conditions of the individual installation.
3. The manufacturer's warranty relates to workmanship, sanitary requirements, and action as tested when shipped. Any liability cannot exceed the price of the valve.



| ITEM | Part No. | Description                              | Material |
|------|----------|--|----------|
| 1*   | QLK20FL  | Float, 12" Arm + 6" Dia. Ball - Standard | 316SS    |
| 2    | OR210B   | O-ring                                   | Buna-N   |
| 3    | QLK20BD  | Body                                     | 316SS    |
| 4**  | OR326B   | O-ring                                   | Buna-N   |
|      | OR326TC  | O-ring, Plug Teflon Coated               | Buna-N   |
|      | OR326V   | O-ring                                   | Viton    |
| 5    | QLK20PL  | Plug                                     | 316SS    |
| 6**  | OR325B   | O-ring                                   | Buna-N   |
|      | OR325TC  | O-ring, Teflon Coated                    | Buna-N   |
|      | OR325V   | O-ring                                   | Viton    |
| 7    | OR331B   | O-ring                                   | Buna-N   |
| 8    | QLK20SL  | Tank Weld Sleeve                         | 316SS    |
| 9    | QLK20LN  | Lock Nut                                 | 304SS    |

\*See Available Options - Note 4 - \*\*See Available Options - Notes 1 & 2



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