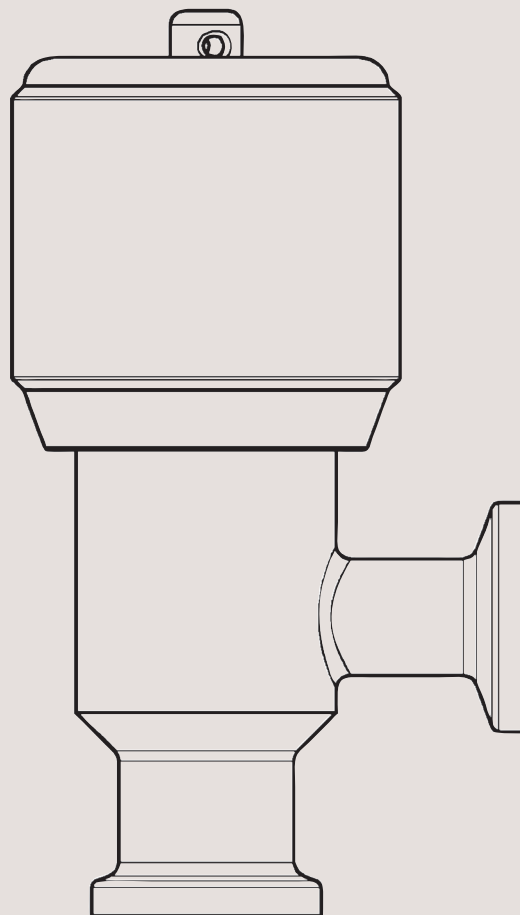


Instruction Manual

660 Fractional Valve



ESE03382-ENUS1 2016-09

Original manual

The information herein is correct at the time of issue but may be subject to change without prior notice

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1 Safety

Always use Alfa Laval genuine spare parts.

The warranty of Alfa Laval products is dependent on the use of Alfa Laval genuine spare parts.

1.1 Important Information

Safety is very important! DO NOT attempt to modify any Alfa Laval product. To do so could create unsafe conditions and void all warranties. **DO NOT** place any Tri-Clover product in an application where general product service ratings are exceeded.

The following **DANGER**, **WARNING**, and **CAUTION** signs and their meanings are used within these instructions.



DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. The word Danger is used in the most extreme cases.



WARNING

Indicates that special procedures must be followed to avoid damage to the valve.



CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. May also be used to alert against an unsafe operating or maintenance practice.



This manual contains disassembly and reassembly instructions, with parts lists, for the Series 660 Manual Sanitary Valves.

Series 660 Sample Valve is available in ½" (12.7mm) Tri-Clamp® or ½" (12.7mm) Tri-Clamp inlet and ¼" (6.4mm) Hosebarb outlet. The seat is available with an o-ring seal. The valve is available with a manual actuator of UHMW or bronze material.

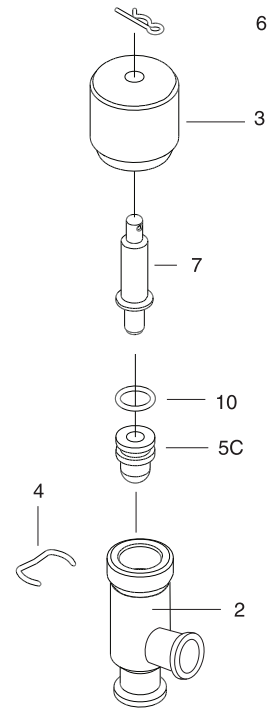


3 Maintenance

Always use Alfa Laval genuine spare parts.

SERIES 660 - DISASSEMBLY

1. Remove cotter pin (6) and unscrew the valve handle (3).
2. Remove the clip (4) from the valve body (2).
3. Remove the stem assembly (7).
4. Remove plug (5c) from stem (7) by turning counterclockwise while holding stem stationary.
5. Remove the plug o-ring (10).



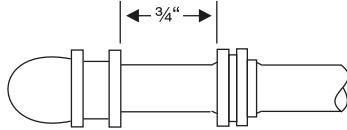
VALVE INSPECTION

- Inspect the valve seats in the valve bodies for nicks, scratches and other irregularities that can damage the plug.
- Examine the gaskets used at the port connections and plug o-ring or lip seal for cuts, abrasions or other damage that would allow leakage or ineffective cleaning.
- Carefully examine all o-rings for cuts, abrasions or damage that would allow leakage or ineffective cleaning.
- Replace worn or damaged parts. Spray o-rings and lip seals with L-1011B Sanitary Lubricant.
- Operate all valves after assembly to be sure they are operating correctly.

Always use Alfa Laval genuine spare parts.

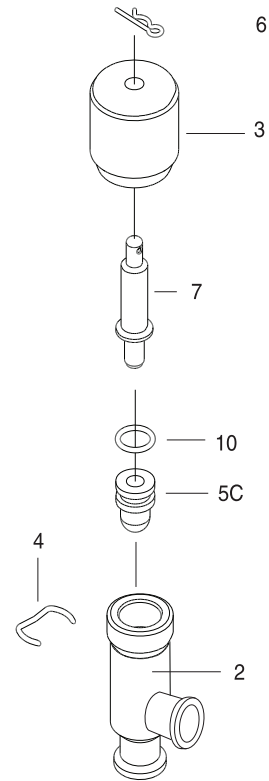
SERIES 660 - REASSEMBLY

1. Replace the plug o-ring (10), if necessary.
2. Hand thread the plug (5c) onto the stem (7). The plug is properly installed when the distance between the top of the plug and the shoulder on the stem is $\frac{3}{4}$ " (19mm). Refer to the figure below. If $\frac{3}{4}$ " (19mm) dimension is not obtained, check the plug and stem to determine the cause of problem.



Item 5C Shown

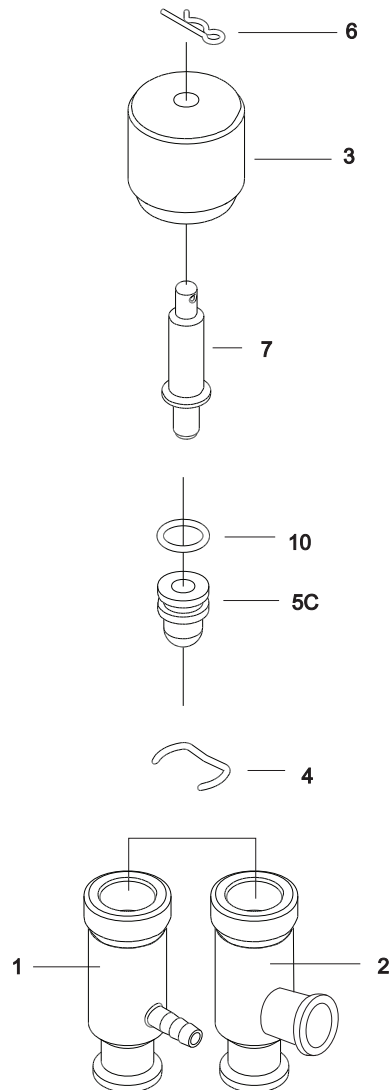
3. Place the stem (7) with the plug (5c) attached into the valve body (2).
4. Place the clip (4) around the outside of the valve body (2) just beneath the threads, so that the clip rests in the clip slot on the body.
5. Replace the handle (3) and insert the cotter pin (6) into the hole in the top of the stem (7).



4 Spare Parts

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4 Spare Parts

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Parts list

Pos.	Qty	Denomination
1	1	Valve body 1/2 clamp x 1/4 hose barb
2	1	Valve body 1/2 x 1/2 clamp
3	1	Handle
4	1	Clip
5C □	1	PTFE plug w/ o-ring (o-ring not included)
6	1	Pin
7	1	Stem
10 □	1	Plug o ring for #5c plug only

Service kits

Denomination		
□	Service Kit	9613990135



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