

TODO®

A Gardner Denver Product

TODO-MATIC®



Service instruction

Tank units 4" Al/Br



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Necessary tools

6 mm Allen key

Torque wrench

O-ring tool (TODO) 6640

Lubricants

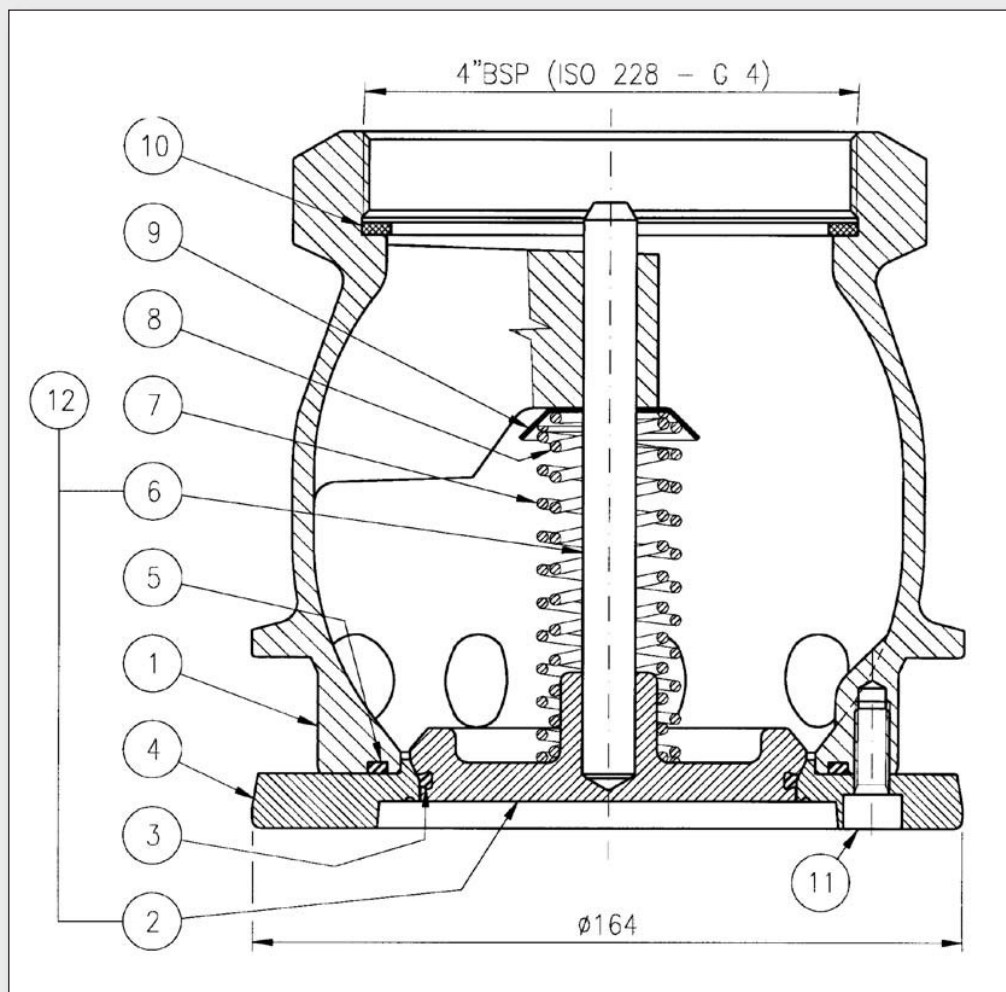
Grease: See separate lubrication instructions, please see downloads at www.todo.se

Oil: Rigging screw oil TODO 6258.



Assembly drawing, 4" Tank unit AI/Rg

1. Coupling body
2. Piston
3. O-ring
4. Coupling flange
5. O-ring
6. Piston spindle
7. Spring
8. Spring
9. Spring cap
10. Flat seal
11. Screw
12. Piston complete



Workflow 1-3

Always make sure the coupling is decontaminated and that you work in a clean environment. Clean parts with a cloth and a proper solvent.

1.
Unscrew the coupling flange.



2.
Remove the old o-ring.
If the tank unit is a threaded (not NPT) version, please also replace the flat seal.



3.
Remove the old o-ring.



Workflow 4-6

4.

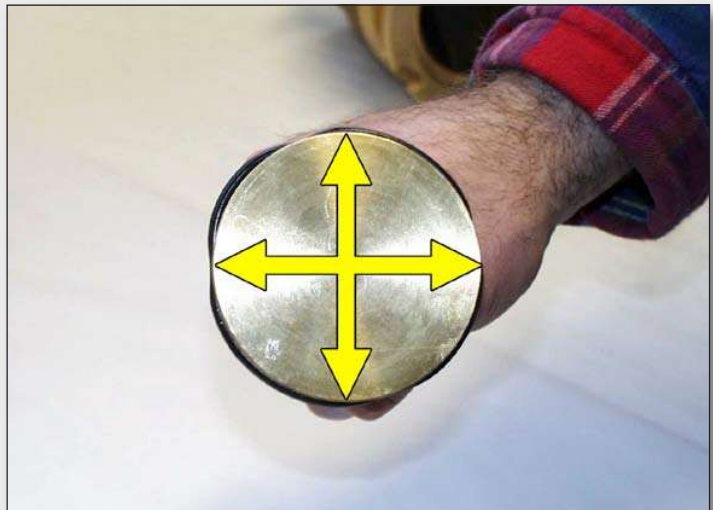
Clean all parts before assembly and check all parts for damage.

Replace the old o-ring with a new one. Lubricate it with appropriate grease. (See separate lubrication instruction). Rotate it one more turn to be sure it's not twisted, as that could cause leakage.



5.

Mount the o-ring by pressing it down crosswise in its groove. Make sure that there are no remaining buckles.



6.

After checking the parts' condition, place the springs and the springcap on the piston spindle and put back in the coupling body.



Workflow 7-8

7.

Tighten the screws in the flange crosswise with a torque wrench.
Force: 15 Nm.



8.

After completed assembly please check that the coupling is tight and functional.



TODO recommends that the hose unit be tested as follows:

Pressurize the tank unit with air, 2 bar, under water.

No bubbles should be visible.

Then do a function test (couple and uncouple with a hose unit).