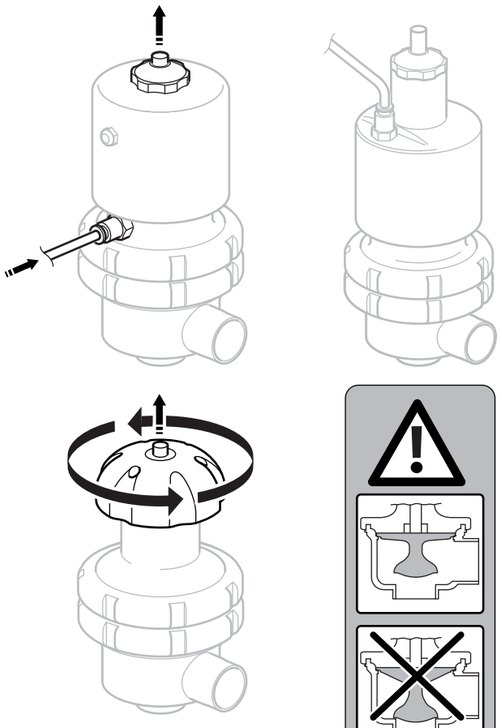
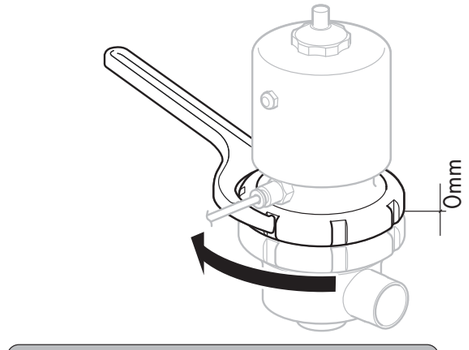
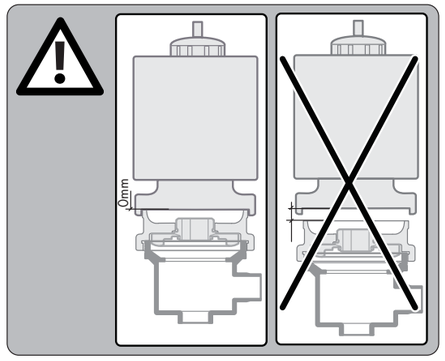
8. Open the valve. Use the Locking Ring Tightening Tool to tighten the actuator locking ring.







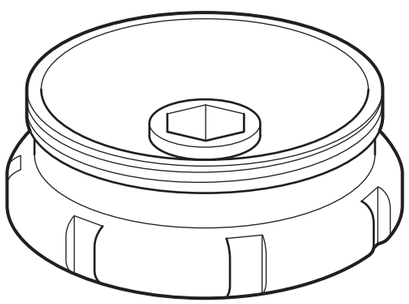
9. To disassemble the valve, reverse the installation instructions.

NovAseptic® Spring Closed Valve Seal

Installation Guide

NA##/84

For PTFE Diaphragms



Technical Assistance

For more information, contact the Millipore office nearest you. In the U.S., call 1-800-MILLIPORE (1-800-645-5476). Outside the U.S., see your Millipore catalogue for the phone number of the office nearest you or go to our web site at www.millipore.com for up-to-date worldwide contact information. You can also visit the tech service page on our web site at www.millipore.com.

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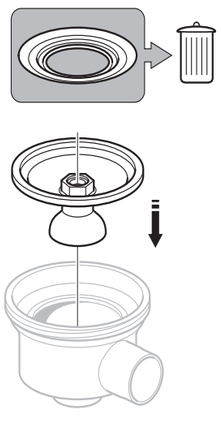
Tools Required

Tools listed below are not included with Spring Closed Valve Seal.

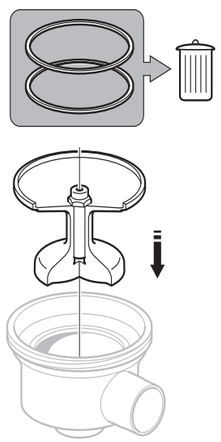
Tool	Description
	**Locking Ring Tightening Tool NA12/90, NA18/90, NA25/90, NA38/90, NA51/90**
	**Locking Ring Tightening Tool NA76/90**
	**Mounting Tool NA1276/93**
	**Torque Wrench**

Installation Procedure

1. Remove the silicone rings from the diaphragm. Inspect the inner and outer sealing surfaces of the diaphragm for damage. Insert the diaphragm into the valve body.

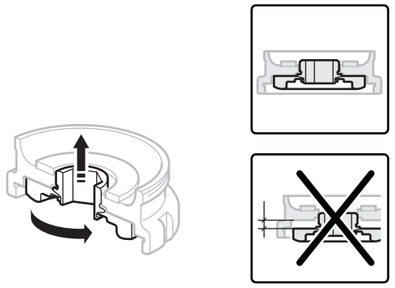


For Catalogue No. NA12/84, NA18/84, NA25/84, NA38/84 and NA51/84

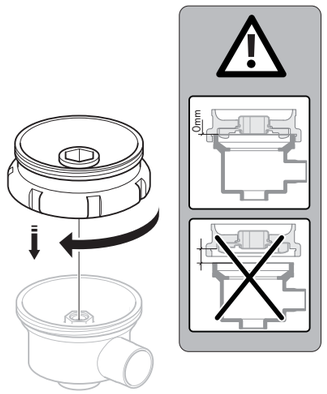


For Catalogue No. NA76/84

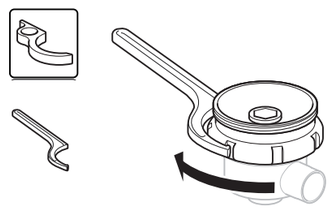
2. Ensure that the cup spring is in the highest position by turning the center piece counter clockwise to the top position before installing.



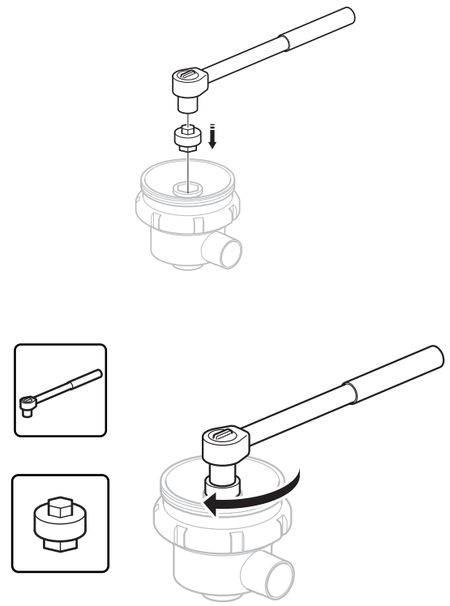
3. Carefully mount the spring closed valve seal onto the valve body, ensuring metal-to-metal contact. DO NOT USE FORCE. If there is resistance, remove the spring seal and inspect the threads. Remove any dirt or debris and replace the spring seal. If threads are damaged, contact your local Millipore representative.



4. Tighten the valve seal with the Locking Ring Tightening Tool. DO NOT OVERTIGHTEN.

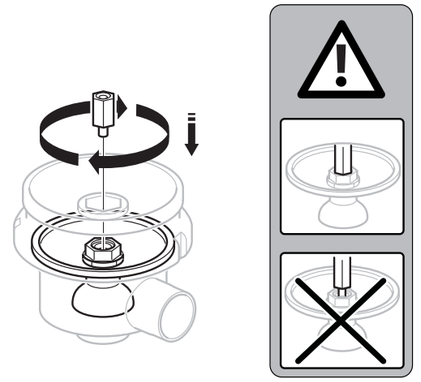


5. Tighten the cup spring with the Mounting Tool and Torque Wrench using torques listed below.



Catalogue Number	Torque	
NA12/84	8-9 Nm	6-7 Lbft
NA18/84	10-12 Nm	7-9 Lbft
NA25/84	15-17 Nm	11-13 Lbft
NA38/84	19-22 Nm	14-16 Lbft
NA51/84	25-30 Nm	18-22 Lbft
NA76/84	35-40 Nm	26-29 Lbft

6. Mount the actuator shaft extension (included with the spring closed valve seal) by hand. Actuator shaft extentions differ between valve sizes.



Catalogue Number
NA12/84-4
NA18/84-4
NA25/84-4
NA38/84-4
NA51/84-4
NA76/84-4

7. Install the actuator in the closed position (with the indicator pin inside the actuator housing). The actuator, spring closed valve seal, diaphragm and valve body must all be aligned. Carefully thread the actuator onto the actuator shaft extension.

