

Installation Guide

# ICAD Actuators

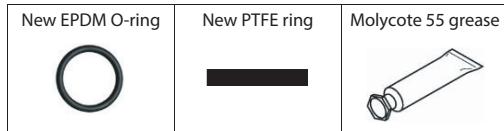
## Mechanical installation of ICAD on ICM

UK  
DA

027R9776

027R9776

**Included in the ICAD box:**



This Installation guide cover installation of ICAD  
 • on complete new ICM top part (function module)  
 • on ICM top part already in operation

1. Remove existing O-ring and PTFE ring\* on the ICM adapter with your fingers.  
**Do not use any tool because it may damage the O-ring/PTFE ring**

2. Install the new PTFE ring\*

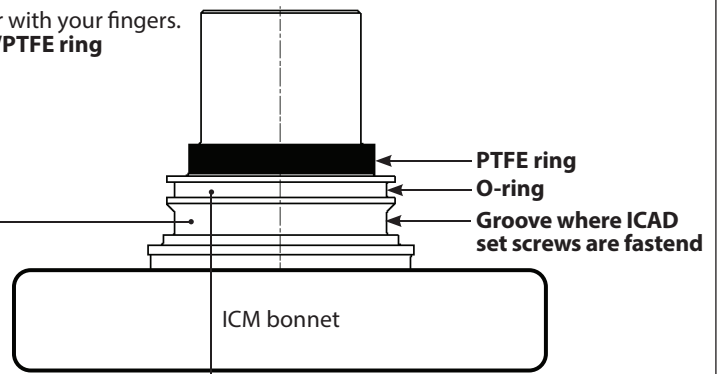
3. Apply Molycote 55 grease in groove below o-ring

4. Apply Molycote 55 grease on the EPDM O-ring

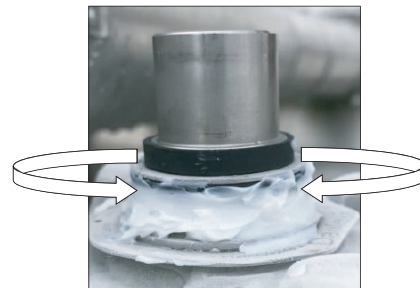


5. Install the new EPDM O-ring in groove

6. Observe that Molycote 55 grease is distributed, in the groove, all around the ICM adapter



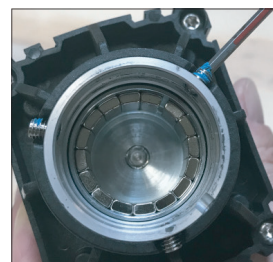
7. Apply a very thin film of Molycote 55 around and on the ICAD magnets



8. Turn all 3 set screws about 3 turns clockwise and then counterclockwise back to its original position



Clockwise



Counterclockwise

\*If the ICM top part is new there is no need to replace PTFE ring

Info for UK customers only: Danfoss Ltd. Oxford Road, UB9 4LH Denham, UK

## For ICM in operation

When ICAD is installed/serviced, on a cold/frozen valve; do the following:

1. Make sure the old grease is totally removed before mounting a new EPDM O-ring and PTFE support ring.
2. If there is any ice or moisture present, it must be removed prior to applying the grease. The ice/moisture can be removed with an electrical hot air gun.



3. After ice removal by heater, ensure that the ICM adapter is totally dry before mounting new EPDM O-ring and PTFE support ring



4. Install the ICAD actuator on the ICM adapter making sure it is pushed completely down. Fasten the the 3 set screws using a 2.5 mm hexagon key.



**Note!**  
**Crosstighten all 3 screws to ensure equal tightening.**  
**Max 3 Nm torque.**

