



D-062 HF NS 360 PSI

Installation , Operation and Maintenance Instructions for the D-062 HF NS Non Slam Combination Air Valve

A. Installing and Operating the D062 HF-NS Air Valve

- A.1. Mount the air valve on a riser connected to the top of the pipe.
- A.2. Install an isolating valve underneath the air valve.
- A.3. Flush the system before installing the air valve to avoid any dirt or sharp objects getting into the air valve.
- A.4. Lift the air valve by the lifting ring and place it carefully on the rubber gaskets of the shut-off valve.
- A.5. **Place washers** on each of the bolts & nuts that connect the air valve flange to the shut-off valve flange.
- A.6. Tighten all the bolts and nuts by closing one and then the one opposite it.
 - The closure tightness of the bolts and nuts shall be according to the standard torque for their specific size.
 - Use ring wrench keys (to be operated manually only) for the closing and opening of all bolts of the air valve (including the flange bolts).

B. Maintaining the D-062 HF NS Air Valve

B.1 Maintaining the D-062 HF NS Automatic Air Valve Component

- B.1.1. Shut off the isolating valve below the air valve.
- B.1.2. Unscrew the shell (1) of the Automatic air release valve from the base (9), **making sure that the valve base does not rotate.**
- B.1.3. Remove the clamping stem (6) and the float (7) from the automatic component
- B.1.4. Wash the inside of the shell (1), the body (4), the clamping stem (6), the float (7) and the rolling seal (5) with clean water.
- B.1.5. Check to make sure that the rolling seal (5) is not damaged (torn or cracked) and is located precisely in the middle of its groove in the float.
- B.1.6. Reassemble the air valve in the reverse order:
 - First insert half the length of the rolling seal into the groove in the body, then push it the rest of the way the groove with the aid of the clamping stem (6). Make sure that the rolling seal is set and held in place.

B.2 Maintaining the D-062 HF NS Kinetic Air Valve Component

- B.2.1. Unscrew the bolts (18) that connect the valve cover (15) to the body (23).
- B.2.2. Clean the following parts: the body (23) including the groove of the O-ring (21), the screen (14), the float (22) and the cover (15) with clean water in order to remove coarse grime and/or accumulated scale.
- B.2.3. Check that the orifice seal (20) is not damaged (torn and/or cracked).
- B.2.4. In case the orifice seal (20) is damaged, consult your dealer.
- B.2.5. Reassemble the air valve in the reverse order:
 - First insert the float (22), and then place the O-ring (21) in the groove.
 - Place the cover (15) on the body (23), insert the bolts and washers and tighten the nuts (18).
- B.2.6. Tighten all the bolts and nuts (18) by closing one and then the one opposite it.
 - The closure tightness of the bolts and nuts (18) shall be according to the standard torque for their specific size.
 - Use ring wrench keys (to be operated manually only) for the closing and opening of all bolts of the air valve (including the flange bolts (11)).

B.3 Maintaining the D-062 HF NS Non-Slam Component

B.3.1. Check the movement of the flap (17) in the flap housing that it moves without any interference.

B.3.2. In case that the flap (17) does not move freely in the housing, the flap housing might have embedded debris which needs to be flushed out.

B.3.3. To flush and clean the area inside the flap housing:

Unscrew the bolts (18) that connect the valve cover (15) to the body (23).

Separate the cover with the flap housing from the valve body.

Unscrew the four domed nuts (11); remove the screen cover (12) and the screen (14). **Make sure to save the washers that sit under the screen and on the threaded rods.**

B.3.4. Flush the flap housing and the flap from both sides of the cover and clean with a cloth as necessary in order to remove any debris, coarse grime or accumulated scale.

B.3.5. Make sure that the flap moves freely in the flap housing.

B.3.6. Reassemble the non-slam element in the opposite order:

Place the screen (14) in place on the flap housing between the threaded rods (13), making sure that the washers on the rods are between the flap housing and the screen.

Place the screen cover (12) on top of the threaded rods (13), making sure that the washers are in place between the screen and the cover.

Screw the domed nuts (11) on to the threaded rods (13) (which extend out from the screen cover) and close tightly.

PARTS LIST AND SPECIFICATION FOR 4"

No.	Part	Material
1.	Shell	Ductile Iron ASTM A-536 60-40-18
2.	Discharge Outlet	Brass
3.	O-Ring	NSF 61 Certified NBR 70
4.	Body	NSF 61 Certified Reinforced Nylon
5.	Rolling Seal	NSF 61 Certified E.P.D.M. 61
6.	Clamping Stem	NSF 61 Certified Reinforced Nylon
7.	Float	NSF 61 Certified Foamed Polypropylene
8.	O-Ring	NSF 61 Certified NBR 70
9.	Base	Stainless Steel ASTM A744 CF84
10.	Strainer	Nylon
11.	Nut	NSF 61 Certified STST UNS 30400
12.	Screen Cover	Cast Iron ASTM A48 CL.35B / Resicoat RT R4
13.	Bolt	NSF 61 Certified STST UNS 30400
14.	Screen	NSF 61 Certified STST UNS 30400
15.	Cover	Ductile Iron ASTM A-536 60-40-18
16.	Ring	NSF 61 Certified STST UNS 31600 / Resicoat RT R4
17.	Flap	NSF 61 Certified STST UNS 31600
18.	Bolt & Nut	NSF 61 Certified STST UNS 30400
19.	Orifice Seat	Stainless Steel DIN 7981 C A2
20.	Orifice Seal	NSF 61 Certified E.P.D.M.
21.	O - Ring	NSF 61 Certified NBR 70
22.	Float	NSF 61 Certified STST UNS 31600 / NSF 61 Certified Polycarbonate
23.	Body	Ductile Iron ASTM A-536 60-40-18 / Resicoat RT R4

