

HOW TO CONNECT YOUR SYSTEM



HOW TO PROPERLY CONNECT YOUR AIRFLEX PRO PIPES:

- **Step 1:** Cut your pipe to the desired length, the material can easily be cut with a boxknife or similar.
- **Step 2:** Slide the neoprene sealing ring over the pipe. It must be the correct sealing ring (round sealing ring or elliptical sealing ring).
- **Step 3:** Make sure the sealing ring is located on the second indent.

Important: The sealing ring is essential for maintaining air tightness, without it your system will not perform correctly.

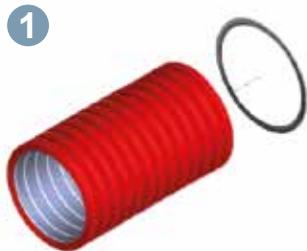
THE RIGHT WAY



THE WRONG WAY



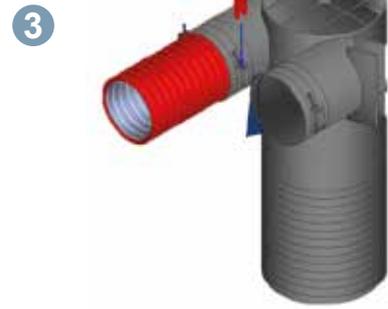
CONNECTING TO YOUR PLENUM



1
A sealing ring must be fitted in the second complete indent of Airflex Pro.



2
Slide the duct into the fixture so the seal goes past the clip slots.



3
Fit the two retaining clips to hold the Airflex Pro in place.

USING ROUND STRAIGHT CONNECTION PIECES

Connecting your round pipe together is easy with the straight connector.

- **Step 1:** Make sure your sealing ring is attached correctly on the second indent of the duct.
- **Step 2:** Inside the connector at each end are two duct retaining lugs. Align the duct, with seal in position, ready to insert into the connector.
- **Step 3:** Push the duct into the connector, so the seal passes the lugs, stopping before the centre groove.

Important: If your design requires the ducting to be laid in concrete, do not allow concrete to penetrate the connection piece. Use tape around the outside of the connector if necessary.



USING AIRFLEX PRO CONNECTION PIECES

Connect elliptical and elliptical to round pipe together using Airflex Pro fittings. The robust side mounting feet enable secure fixing of the connection piece to mounting surfaces.

- **Step 1:** Remove all fixing clips. Ensure the sealing ring is positioned correctly on the duct. Align duct to the connector.
- **Step 2:** Push the pipe into the connector until it reaches the internal stops.
- **Step 3:** Ensure the duct indent is aligned with the duct clip holes. Push all retaining clips into the connector to hold the ducting in place.

Important: If your design requires the ducting to be laid in concrete, do not allow concrete to penetrate the connection piece. Use tape around the outside of the connector if necessary.



CONNECTING A 90° COMPACT ELBOW

Airflex Pro round, compact 90 degree elbow, should be used where the minimum bend radius of the duct is not small enough (see page 19).

- **Step 1:** Make sure your sealing ring is attached correctly on the second indent of the duct.
- **Step 2:** Push duct into the fitting making sure the seal has gone past the two duct securing tabs (one either side).
- **Step 3:** Ensure the duct indent is aligned with both duct securing tabs.
- **Step 4:** With a small blunt tool press the securing tab into indent of the duct.

Please Note: When pressing the securing tabs do not pierce the duct.

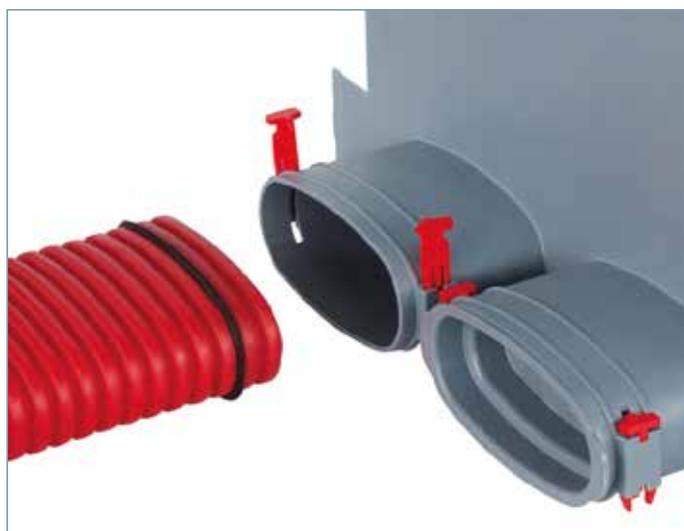


CONNECTING YOUR PIPE TO A DISTRIBUTION BOX

The Airflex Pro system comes with various sized distribution boxes. These boxes offer flexible ways to connect Airflex Pro round and elliptical duct. The connectors follow the same principle of connecting as the previous Airflex pro fittings.

Follow these steps:

- **Step 1:** Remove the clips.
- **Step 2:** Insert the round or elliptical pipe, depending on your connector, into the port. Ensuring the sealing ring is in the correct position, second indent.
- **Step 3:** Push the pipe into the connector until it reaches the internal stops. Push all retaining clips into the connector to hold the ducting in place.



AIRTIGHT FIT

To seal off redundant round or elliptical duct connectors use the relative blanking cap (as supplied) and seal.

- **Step 1:** Position the relevant seal correctly in the first full groove of the blanking cap. See page 12, reference "HOW TO PROPERLY CONNECT YOUR AIRFLEX PRO PIPES"
- **Step 2 :** Remove any red retaining clips that are positioned in the duct connector.
- **Step 3:** Press blanking cap, with seal in position, into duct connector until it stops. Next fully insert the two red retaining clips in to the duct connector to lock the blanking plug in place. An audible click can be heard when the red clips are fully inserted.



LOCKING MECHANISM EXPLAINED

When connecting Airflex Pro to metal fittings, use the plastic bayonet type connectors provided. All bayonet fittings are marked with open and closed padlock symbols at their joint end.

- **Step 1:** Offer up the plastic bayonet connector to the port on the metal fitting you want to attach to. Then align the open padlock symbol on the plastic connector to the indent arrow on the metal fitting. The bayonet arms of the connector should now align with the cut out on the metal fitting.

- **Step 2:** Firmly press the connector into the metal fitting.
- **Step 3:** Turn the connector clockwise until the closed padlock symbol aligns with the indent arrow on the metal fitting.
- **Step 4:** Now your connection is locked in position and its joint is airtight.

Please Note: Should you wish to remove connections or blanking caps - simply reverse this procedure.

