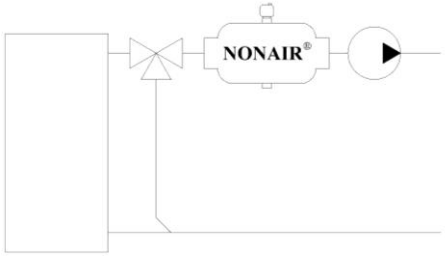
NONAIR® Micro bubbles Separator

INSTALLATION:

The optimal place to install the **NONAIR**® is at a point in the system where the solvation of air is lowest. Normally this point is found where the fluid is at the highest temperature and the lowest available pressure. Not seldom the decision where to install the Separator has to be a compromise. To consult an air solvation diagram can be of great help in this work.

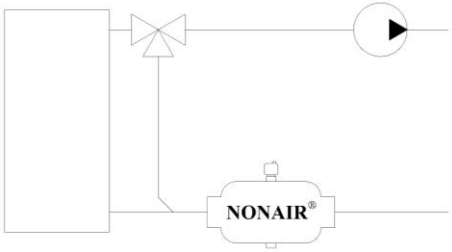
Heating system

In a heating system the **NONAIR**® is preferably mounted before the pump in the outlet pipe from the boiler or heat exchanger.



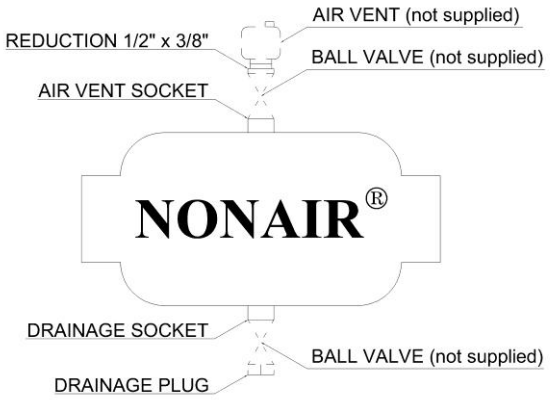
Cooling system

In a cooling system the **NONAIR**® is preferably mounted in the return pipe before the chiller or heat exchanger.



For Air outlet through an Air vent (not supplied from the factory) is on top of **NONAIR**®, depending on the size, 1 to 3 pcs of 1/2" female threaded sockets. For future service of the Air vent mount a 1/2" ball valve (male thread in/female thread out) in between. If the Air vent has 3/8" inlet mount the 1/2 x 3/8" reduction supplied between the ball valve and the Air vent.

For drainage is at the bottom of **NONAIR**® a plugged 1/2", 3/4" or 1" female threaded socket dependent on size and type. For service of the drainage, unscrew the plug and mount a suitable ball valve in the socket.



The **NONAIR**® should be horizontally mounted with the air outlet sockets pointing upwards. For the Standard model the direction of flow is optional.

The **Strainer model** has two plugged sockets on the outlet end where pressure gauges can be mounted for monitoring the pressure drop through the Strainer insert.

For all socket connections, don't use Teflon® tape or sealing that contains chloride on stainless steel threads. Use flax and paste instead.

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MAINTENANCE:

NONAIR® itself is normally maintenance-free. It has full flow through and could not get clogged.

Before servicing the automatic Air Vent the shut off valve in between should be closed.

For the **Standard model**, particles that floats in the fluid like the air bubbles and for the **Particle model** also heavy particles, separates and gathers at the bottom of **NONAIR**® . Separated particles can easily be drained out through the drainage socket, if a ball valve is mounted.

For the **Strainer model** also particles with a size greater than the mesh size will be trapped and collected in the Strainer insert.

Before cleaning the Strainer insert should the isolation valves in the system be shut off. Remove the screws from the base plate of the sediment chamber, detach the base plate and gently draw out the Strainer insert for cleaning.

After cleaning, reassembly all detached pieces and make sure the gasket is tight and leakproof after having opened the isolation valves.

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