

## Installation Guide

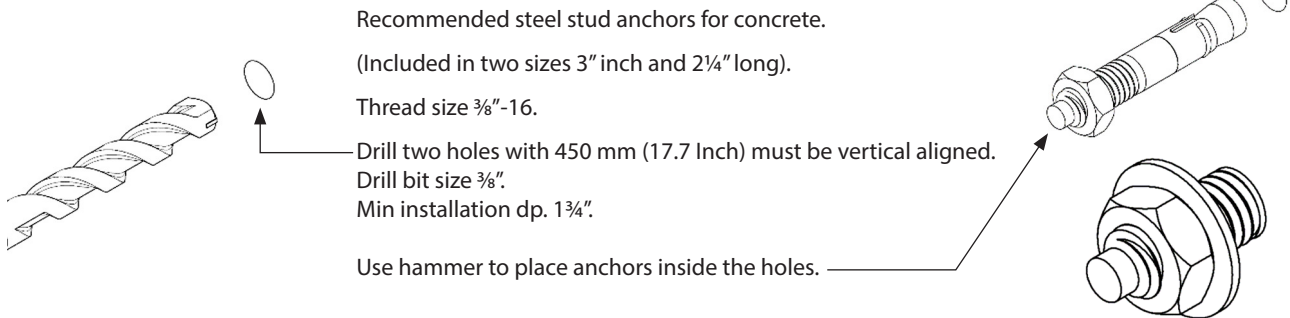
# Bubbler for IPS - 084H5070



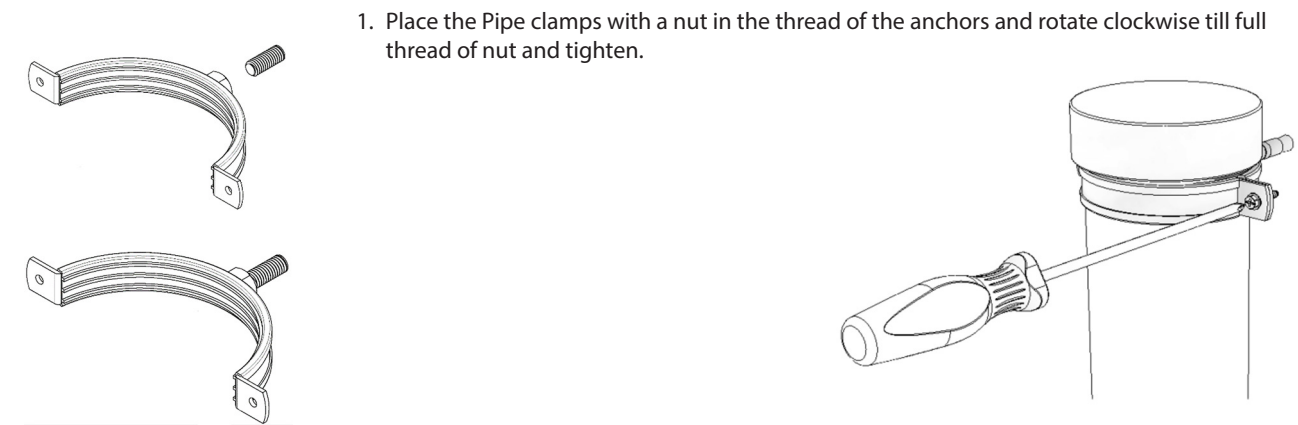
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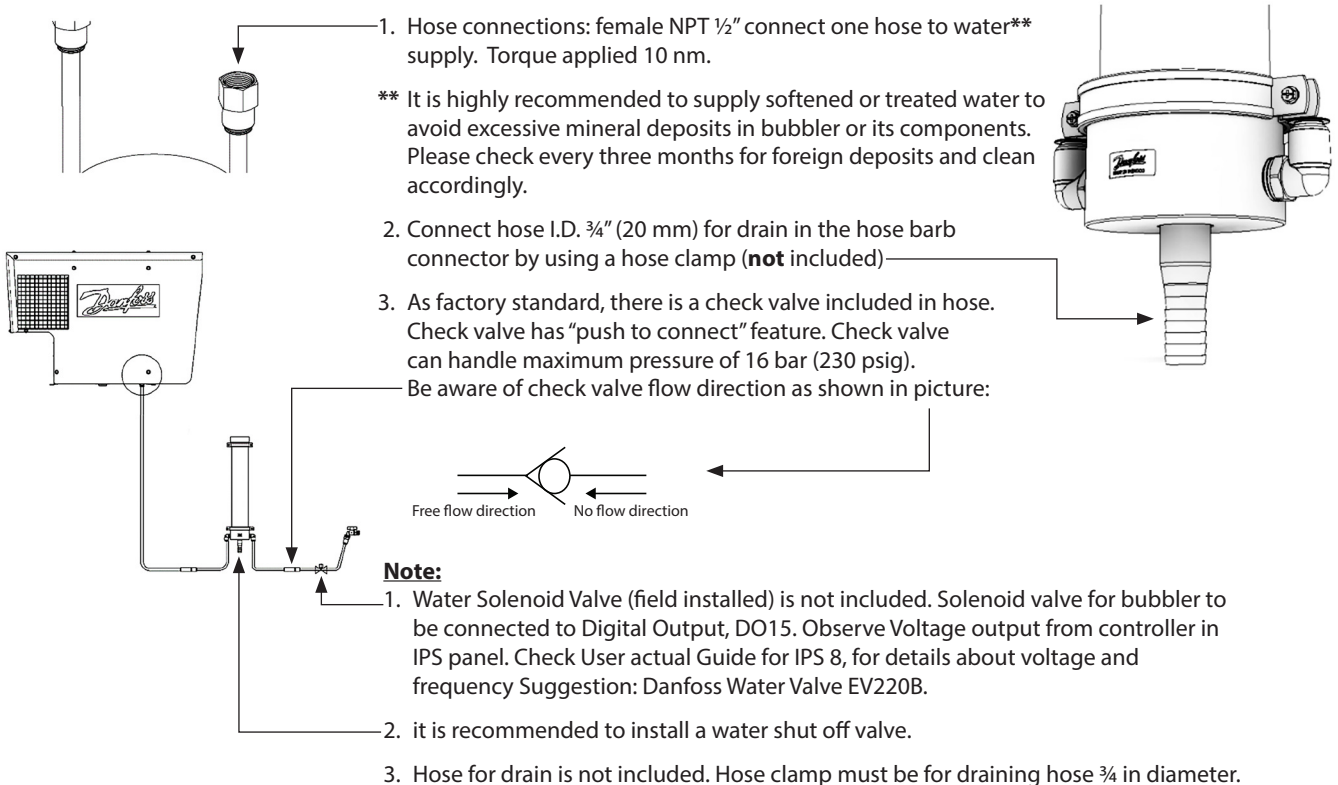
### Step 1: Installation Steel Stud Anchors for Concrete



### Step 2: Installation Pipe Clamps



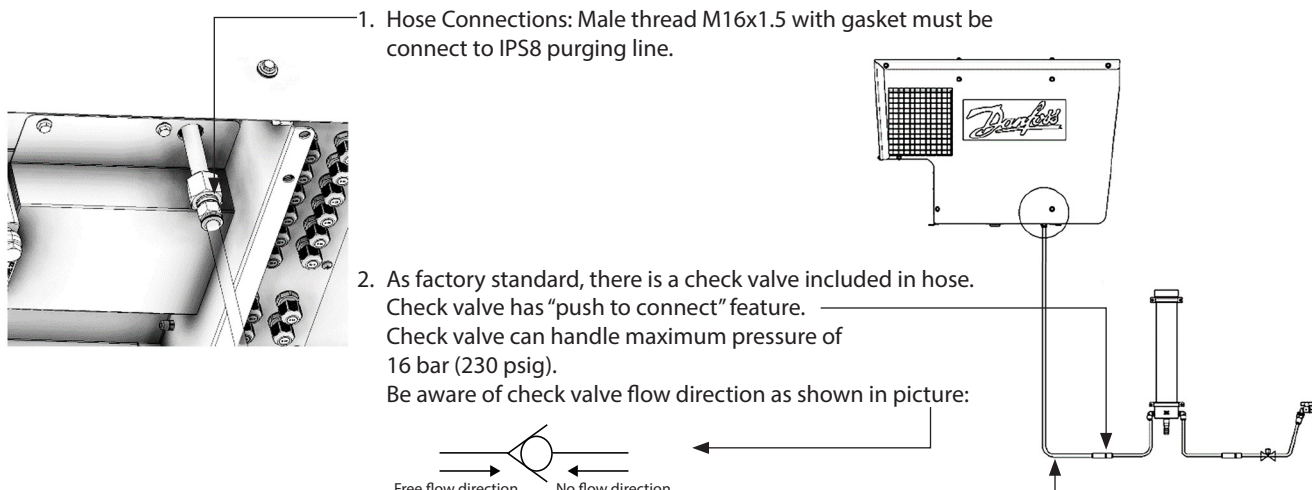
### Step 3: Connections (Water Line)

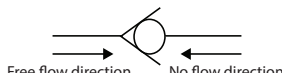


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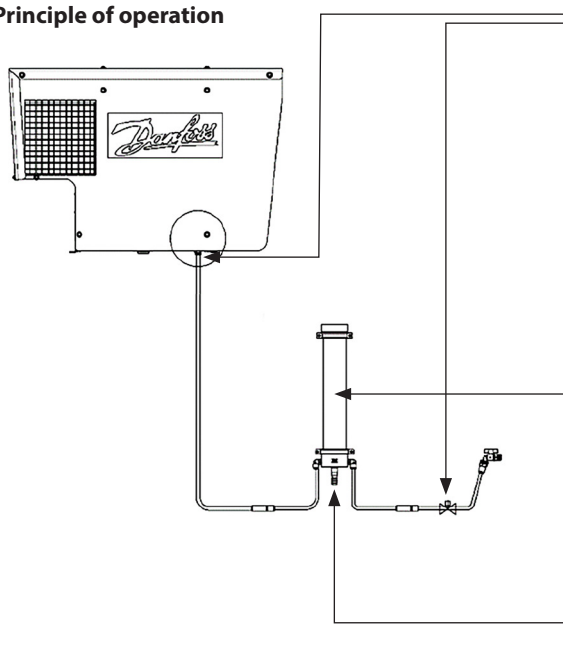
#### Step 4: Connections (IPS NCG Purge Line)



1. Hose Connections: Male thread M16x1.5 with gasket must be connect to IPS8 purging line.
2. As factory standard, there is a check valve included in hose. Check valve has "push to connect" feature. Check valve can handle maximum pressure of 16 bar (230 psig). Be aware of check valve flow direction as shown in picture:  

3. Do **NOT** install Bubbler above IPS vertical level.

As factory standard configuration, purging air hose length is 50 cm (1.5 ft).

#### Principle of operation



1. Once non-condensable gases from IPS8 heat exchanger reaches pressure setpoint for purging, air purging solenoid valve as well as water solenoid valve will be energized.
2. Non-condensable gases flow through the water bubbler where little ammonia concentration is absorbed into water.
3. The water, with absorbed ammonia, flows to a drain line. Avoid any bend along the drain line piping to mitigate liquid traps.

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