

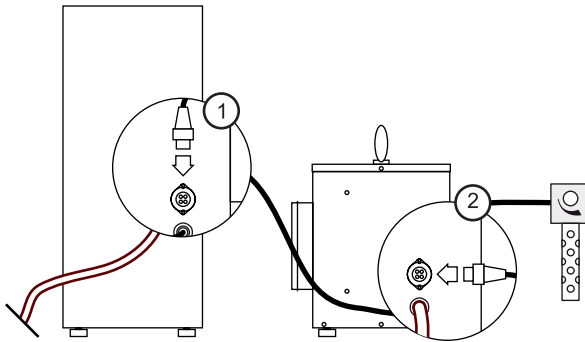
Dehumidifier

# INSTALLING PB-10/20 PRESSURE BOX

Applies for all single phase units (DR/DC/CS)

## Connecting the pressure boxes

### Single pressure box



- 1) The amphenol connector on the pressure box connector goes into the amphenol connector on the dehumidifier.
- 2) The amphenol connector on the humidistat goes into the amphenol connector on the pressure box.

### Multiple pressure box

**CAUTION!** Do not connect more than 4 pressure boxes on one single electrical feed, i.e. per unit!

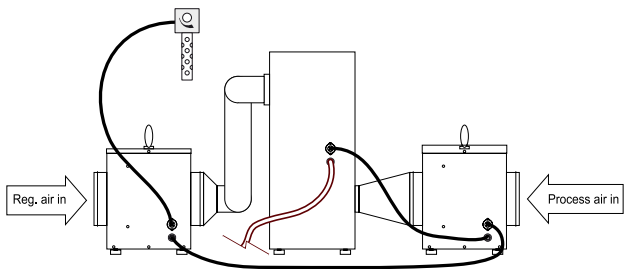
To add another pressure box. Simply disconnect the humidistat from the amphenol connector on the pressure box and add a pressure box to the series and connect it the same way as the first pressure box.

## Positioning the pressure boxes

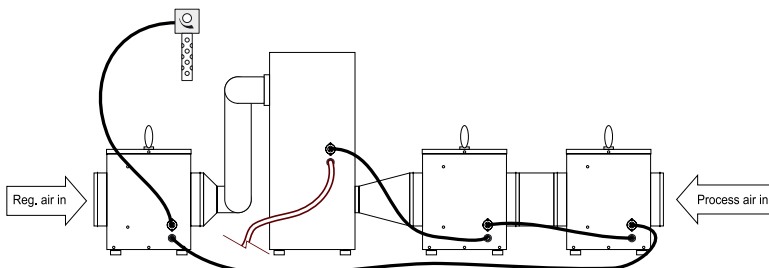
The pressure boxes can be positioned on any inlet or outlet with a maximum combination of four pressure boxes on one single electrical feed. Below displays three of many setup examples for units with one or two inlets.



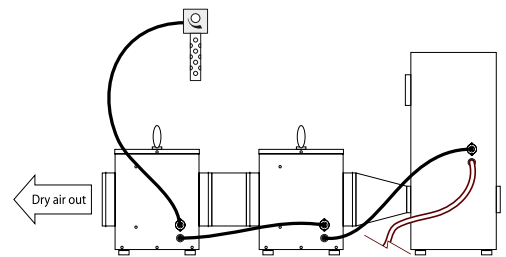
**NOTE!** Position the pressure box where static pressure is needed the most! I.e. Same side as the in- or outlet side of the unit.



Example of two pressure boxes connected to two inlets to push the air through the unit.



Example of three pressure boxes connected to two inlets to push the air through the unit.



Example of two pressure boxes connected to one outlet to pull air through the unit.

The illustration above is not a recommendation - for guidance only.



**CAUTION!** Check the airflow direction on the pressure box before installing it into a duct work!



**DANGER!** Before turning on the unit, ensure that each pressure box is either set to ON-VENT or ON-OFF!

Pressure box duct connected to:	Set jumper wire to:
Regeneration air in/ Wet air out	ON-OFF
Process air in / Dry air out	ON-VENT

To change the position of the jumper wire, see electrical diagram on ON-VENT and ON-OFF connection..



**DANGER!** Unplug the cable from the electrical grid when performing any electrical work!



**CAUTION!** Do not process an air temperature of 60°C and above!