

PressureBox is a pressure transducer for measuring in ventilation systems.

The PressureBox comes in many different configurations with 1 or 2 transducers, with and without display and in a variety of measuring ranges.

With PressureBox you may measure gauge, negative and differential pressure and it comes with a build-in regulator to maintain a constant pressure.

PressureBox also have the ability to measure flow by entering the K-factor for the duct.



The PressureBox with display is very easy to set up using the push buttons under the lid and following the menu in the display.

PressureBox without display must be set up by ModBus protocol if the regulator or K-factor is to be used.

All PressureBox models comes in 4 different pressure areas per model and the right pressure range can easily be set using the push buttons whether the model with or without display is chosen.

See below table for standard models of the PressureBox

### Models with Display

Product Name	No. of transducers	Pressure Areas	Factory Setting
PressureBox ED 50 / ES 1088	1	0-50 Pa	0-50 Pa
PressureBox ED 500 / ES 1088	1	0-500 / 0-250 / 0-125 / 0-50 Pa	0-500 Pa
PressureBox Dual E500 24DC / ES 1088	2	0-500 / 0-250 / 0-125 / 0-50 Pa	0-500 Pa
PressureBox ED 2500 / ES 1088	1	0-2500 / 0-1500 / 0-500 / 0-250 Pa	0-500 Pa
PressureBox ED 7000 / ES 1088	1	0-7000 / 0-5000 / 0-3000 / 0-2000 Pa	0-7000Pa
PressureBox Dual ED 2500 / ES 1088	2	0-2500 / 0-1500 / 0-500 / 0-250 Pa	0-500 Pa
PressureBox Dual ED 7000 / ES 1088	2	0-7000 / 0-5000 / 0-3000 / 0-2000 Pa	0-7000 Pa

### Models without Display

Product Name	No. of transducers	Pressure Areas	Factory Setting
PressureBox E 2500 / ES 1088	1	0-2500 / 0-1500 / 0-500 / 0-250 Pa	0-500 Pa
PressureBox E 7000 / ES 1088	1	0-7000 / 0-5000 / 0-3000 / 0-2000 Pa	0-7000 Pa
PressureBox Dual E 2500 / ES 1088	2	0-2500 / 0-1500 / 0-500 / 0-250 Pa	0-500 Pa
PressureBox Dual E 7000 / ES 1088	2	0-7000 / 0-5000 / 0-3000 / 0-2000 Pa	0-7000 Pa

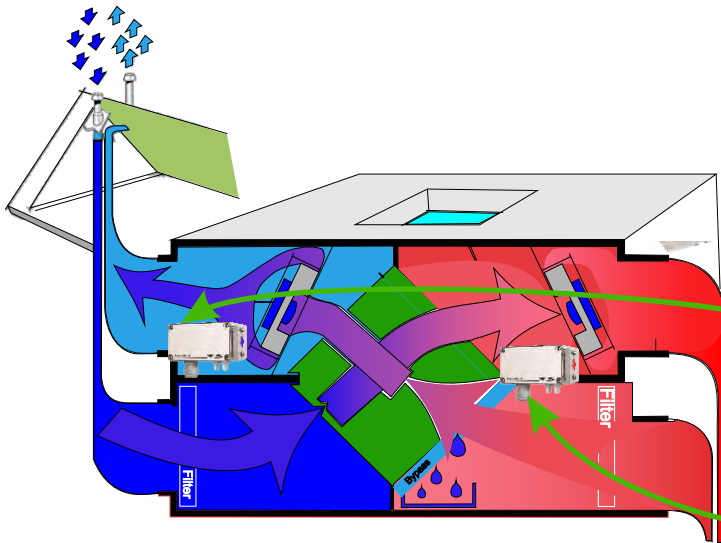


### Unique Technical Advantages

- Comes with 1 or 2 pressure sensors
- With or without display
- 0-10V / 4-20mA Output Signal or ModBus
- 2 inputs for NTC or PT1000 sensor
- 2 digital inputs
- Integrated PID regulator
- K-factor



Can be set up to maintain constant pressure or as volume flow regulator. Display shows the measurement in Pascal (Pa). It can be changed to show Litre per second (L/sec) or cubic meter per hour (m3/H).



Minimize the need for cabling in Air Handling Units by using PressureBox.

The PressureBox can be modified to your unique requirements. E.g. models which is only ModBus and without display.

**2 x PressureBox in AHU**  
**K-Factor ventilator**  
**Pressure drop - Filter**  
**Temperature in**  
**Temperature Out**

**ModBus only and 24V**  
**for AHU Controller**

### Get PressureBox Online

Through the LS Control GateWay it is possible to the PressureBox online taken advantages of the LS SmartConnect Universe.

Also, when the PressureBox is online it is possible to get alarms directly on your mobile in case of pressure drop or other failures in the system.

The PressureBox is easily connected to the GateWay through ModBus.



**Let us help you find the right solution for you project.**

**Our technical sales specialists are always ready for a discussion on how to solve your challenges.**