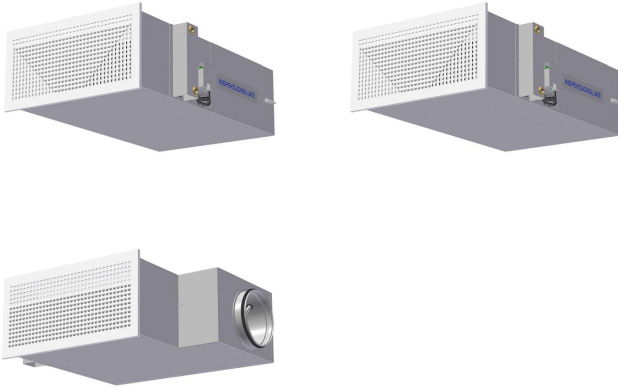


## PEGASUS COMFORT



- With heating coil for waterborne heating of intake air
- Unique damper function
- Large working range
- Belimo MP Bus
- MOD Bus
- BACnet
- Belimo KNX

### APPLICATION

Pegasus Comfort is a wall diffuser with VAV functionality and a heating coil. It is used as a volume regulator and air intake unit in needs-driven ventilation systems. Pegasus Comfort has very good induction, which makes it well-suited for variable airflows.

#### Design

Pegasus Comfort is built as a complete measurement and regulating unit for needs-driven control of airflows in the ventilation system. The measurement station measures pressure difference via measurement rods integrated into the unit. The unit is equipped with an LHV-D3 VAV regulator from Belimo. The regulator's specifications are found in the table below. Complete technical documentation can be downloaded from [www.belimo.eu](http://www.belimo.eu). The unit has a simple connection and service point on the outside of the box's side. See figure 10. Pegasus Comfort has a detachable front plate with selectable LØV- or Opus execution. LØV has 2 different patterns, long (L) or short (K) air throw. If Opus pattern is selected with turnable plastic nozzles, the designation (V) is for variable air throw. Pipe connection waterside is delivered as standard with internal 1/2" threads.

### DESCRIPTION

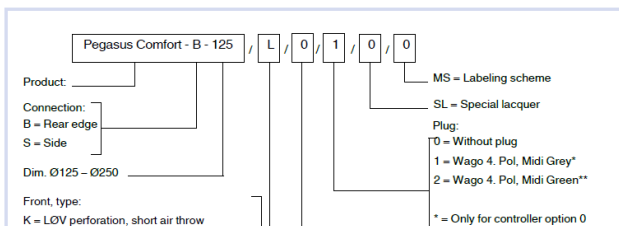
#### Materials and surfaces

Pegasus Comfort is made of galvanised steel. The measurement cross is in aluminium, hoses and nipples are in plastic. The damper has an affixed polyester cloth. The spigot has a rubber EPDM seal. Battery made of copper and aluminium. The K and L type front panels are made of steel with a RAL 9010 finish. Other colours are available on request. The V type diffuser front features Opus nozzles in ABS plastic, is made of steel and comes in a RAL 9010 finish. Other colours are also available, but without the adjustable nozzle option.

### INSTALLATION

Pegasus Comfort is mounted as a wall diffuser, with a suspension bracket in the back edge of the unit with a threaded rod or belt.

## TECHNICAL INFORMATION



L = LOV perforation, long air throw  
 V = Opus nozzles, variable distribution pattern

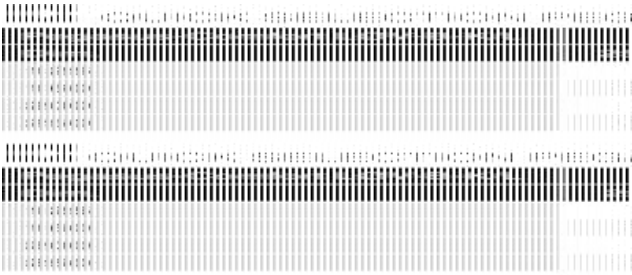
\*\* – Only for controller option 3,4,7

Connection:

- 0 = Belimo MP-Bus
- 3 = Belimo MOD-Bus
- 4 = Belimo BACnet
- 7 = Belimo KNX
- 8 = MOD-Bus for XAC
- 9 = XAC-ZM MOD-Bus
- 9.1 = XAC-ZM MOD-Bus  
w/light relay
- 9.2 = XAC-ZM MOD-Bus  
w/heating-cooling relay
- 9.3 = XAC-ZM MOD-Bus  
w/light, heating-cooling relay
- 9.4 = XAC-ZM MP-Bus

**Example:**  
 Pegasus-B-125/L/0/1/0/0

**Explanation**  
 Pegasus Comfort for rear connection, dim Ø125. LOV front plate with long air throw, with Belimo MP-Bus, standard lacquer, without labeling scheme.



Pegasus Comfort has a built-in VAV regulator for needs-driven control of airflows. The damper solution will choke the pressure at high flow rates and will maintain a low sound level. This may reduce the need for additional dampers and sound attenuators in a duct system. The unit is equipped with a heating coil for waterborne heating of intake air. Pegasus Comfort is delivered with Belimo MP Bus, LON, Modbus or Belimo KNX for direct bus communications with building automation systems.