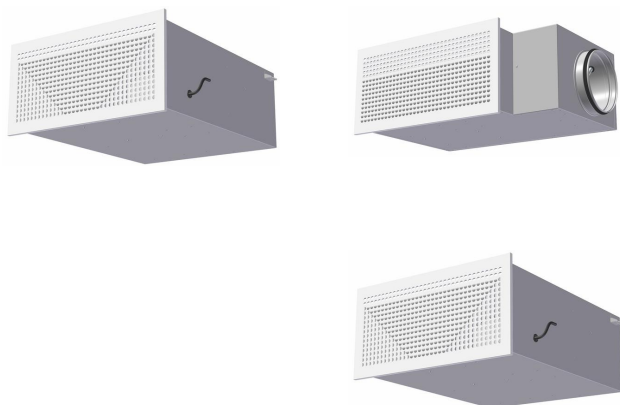


PEGASUS



- Unique damper function
- Large working range
- Belimo MP-Bus
- MOD-Bus
- BACnet
- LON-Bus
- Belimo KNX

APPLICATION

Pegasus is a wall diffuser unit with VAV function. It is used as a volume flow controller unit in needs-based ventilation systems. Pegasus has very good induction, making it ideal for variable air flow rates.

Design

Pegasus is a complete measuring and control unit for the needs-based control of air flow rates in ventilation systems. The measuring station measures the differential pressure using measuring rods integrated into the unit. The unit is equipped with an LHV-D3 VAV controller from Belimo. The controller's specifications are provided in the table below. Full technical documentation can be downloaded from www.belimo.eu. Pegasus has a removable front panel with a choice of LØV or Opus design. LØV has two different designs, long (L) or short (K) throw length. If the Opus design with adjustable plastic nozzles is selected, (V) is the designation for the variable throw length.

DESCRIPTION

Materials and surfaces

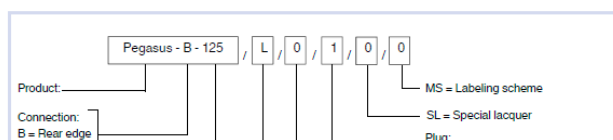
Pegasus is made of galvanised steel. The measuring cross is made of aluminum, hoses and nipples are made of plastic. The damper is fitted with a polyester cloth. The connection collar has an EPDM rubber gasket.

INSTALLATION

Pegasus is installed as a rear diffuser in the rear of the unit using a suspension bracket and a threaded rod or strap, see figures 8 and 9. The plenum box is installed in the cut-out and screwed to the studding. The adjustable installation frame is then pushed in and screwed to the plenum box. Finally, the front is pressed into position.

TECHNICAL INFORMATION

ORDER CODE



S = Side

Dim. 125 - 250

Front, type:
 K = LOV perforation, short throw length
 L = LOV perforation, long throw length
 V = Opus nozzles variable distribution pattern

0 = Without plug
 1 = Wago 4. Pol, Midi Grey*
 2 = Wago 4. Pol, Midi Green**

* = Only for controller option 0
 ** = Only for controller option 3,4,7

Connection:
 0 = Belimo MP-Bus
 2 = Belimo LON-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 for rear connection, dim. 0125
 LOV front panel with long throw length. With Belimo MP-Bus, Wago-plug mounted, standard lacquer, without labeling scheme.

QUICK SELECTION PEGASUS LÖV-B-K/L

Dim.	m ³ /h (open)		
	25 dB(A)	30 dB(A)	35 dB(A)
125	158	194	241
160	277	335	403
200	331	396	475
250	594	706	832

QUICK SELECTION PEGASUS LÖV-B-K/L

Dim.	m ³ /h (75 Pa)		
	25 dB(A)	30 dB(A)	35 dB(A)
125	169	202	245
160	248	324	378
200	331	403	475
250	497	648	792

QUICK SELECTION PEGASUS LÖV-S-K/L

Dim.	m ³ /h (open)		
	25 dB(A)	30 dB(A)	35 dB(A)
125	169	205	252
160	274	335	407
200	342	410	490
250	518	630	763

QUICK SELECTION PEGASUS LÖV-S-K/L

Dim.	m ³ /h (75 Pa)		
	25 dB(A)	30 dB(A)	35 dB(A)
125	166	209	234
160	236	320	396
200	288	385	486
250	439	630	738

QUICK SELECTION PEGASUS OPUS-B

Dim.	m ³ /h (open)		
	25 dB(A)	30 dB(A)	35 dB(A)
125	140	173	212
160	234	284	342
200	266	335	425
250	497	605	731

QUICK SELECTION PEGASUS OPUS-B

Dim.	m ³ /h (75 Pa)		
	25 dB(A)	30 dB(A)	35 dB(A)
125	140	169	212
160	212	270	338
200	292	349	428
250	371	580	724

QUICK SELECTION PEGASUS OPUS-S

Dim.	m ³ /h (open)		
	25 dB(A)	30 dB(A)	35 dB(A)
125	137	173	216
160	230	281	342
200	281	349	432
250	536	626	727

QUICK SELECTION PEGASUS OPUS-S

Dim.	m ³ /h (75 Pa)		
	25 dB(A)	30 dB(A)	35 dB(A)
125	133	173	212
160	202	270	335
200	277	353	432
250	396	565	716

Pegasus has a built-in VAV controller for the needs-based adjustment of air flow rates. The damper solution will choke the pressure at high flow rates and maintain a low sound level. This may reduce the need for additional dampers and sound attenuators in a duct system. Pegasus forms part of the VIP-X control system for VAV and is also supplied with a Winsta plug-in wiring system. Pegasus can also be supplied with Belimo MP-Bus, LON, Modbus or Belimo KNX for direct BUS communication with SD systems.