

VALLOX PUREO

Air handling units



VALLOX
HOME *of* FRESH AIR

Vallox Pureo

- AIR HANDLING UNITS

Designed for Finnish conditions

The new compact Vallox Pureo air handling units are suited to various types of operating premises. Typical applications include business premises, offices, indoor sports facilities, daycare centres, and schools. The units have been designed for the demanding Finnish climate conditions and their duct outlets are located at the top of the unit. Thanks to their elegant look, the units can be installed in a visible location.

A structure that meets requirements

The units are equipped with efficient heat recovery and a post-heating liquid radiator. Thanks to the plate heat exchanger, air belonging to various extraction air categories can be directed into the unit. The structure has been designed to meet the requirements of the VDI 6022 hygiene standard. The soundproofing and thermal insulation of the units are excellent: the air tightness (L1) and durability (D1) of the casing are of top class. The heat transmission class of the frame is T2/TB2.

The two-sided unit is easy to maintain and install

Vallox Pureo units have service doors on both of the long sides, meaning that they can be serviced from either side. The handedness of the unit does not need to be determined in advance and the installation location can be chosen freely. The units included in the product selection can be hauled in place through standard sized doors (90 cm). Two of the smallest units have been dimensioned so that they fit through a standard doorway in one piece; in the case of the larger units, this is enabled by their modular structure.

Support and spare parts - easily and quickly

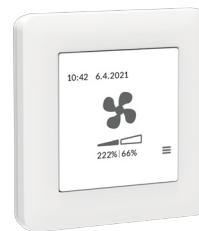
Spare part warehouse and technical support are located in Loimaa in connection to the Vallox factory. Our operations are supported by an extensive service network throughout Finland.



Diverse control options

The control options of the unit can be selected based on the site and the application. Units are delivered either as a terminal block unit without automatics or with automatics (electric equipment and controls included)*. A Vallox Pureo control panel that has a touch screen can be connected to all units. The units can

also be connected to existing house automation systems. Automation can be extended by installing presence sensors and humidity, CO2, and VOC sensors.



Vallox Pureo control panel

The control method can be selected based on the application.

The level of automation can be increased with sensors.

Thanks to their modular structure, also the larger Vallox Pureo TX 1300 and TX 1800 units can be hauled in place through a standard sized door (90 cm).

Units are delivered from and technical support is located in Loimaa.

Can be connected to all existing house automation systems.

The air tightness (L1) and durability (D1) of the casing are of top class.

The units can be serviced from either side.



*Available in autumn 2021.

Designed for the demanding Finnish climate conditions and in accordance with Finnish requirements.



The product selection includes four different sized units:

- Vallox Pureo TX 500
- Vallox Pureo TX 900
- Vallox Pureo TX 1300
- Vallox Pureo TX 1800

STANDARD EQUIPMENT

- EC fans
- Automation centre with terminal blocks
- Bag filters
- Post-heating radiator (liquid)
- Segment defrosting and bypass damper with actuators
- Internal sensors (NTC10, PT1000)
- Adjustable base
- Safety switch

ACCESSORIES

- Electric devices and controls
- Fresh and exhaust air dampers
- Damper actuators
- Air flow meters
- Differential pressure transmitters of filters
- Duct pressure transmitter
- Silencer
- Cooling radiator
- Replacement filters
- Pump group
- Sensors (RH, CO2, VOC)
- Electric post-heating radiator

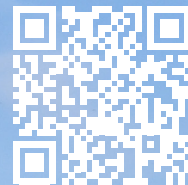
Vallox MySelecta Pureo

- SELECTION SOFTWARE

- ✓ The cloud-based online software is always available and up to date
- ✓ The configuration of the air handling unit for the site is easy and quick
- ✓ Calculation results can be saved or exported to various programmes, as well as retrieved at any time
- ✓ Easy configuration of accessories
- ✓ A component list defined according to personal selection
- ✓ Detailed calculation results and fan diagrams



Read more at:
<https://valloxselect.com/>



Vallox Pureo

Read more at:
https://www.vallox.com/eng_valloxpureo



TECHNICAL SPECIFICATIONS			
Product title	Vallox Pureo TX 500	Product number	3600000
Nominal air flow rate	500 dm ³ /s, 200 Pa	Efficiency EN308	> 78% at nominal airflow
Filters Supply air Extract air	Filter type Bag filter Bag filter	Filter class ePM ₁ 60 % ePM ₁₀ 60 %	Filter size 1 x 490 x 592 x 535 mm 1 x 490 x 592 x 535 mm
Duct connections	4 x ø 315 mm	Electrical connection	230 V, 50 Hz
Dimensions (w x h x d)	1852 x 1762 x 870 mm	Weight	403 kg

TECHNICAL SPECIFICATIONS			
Product title	Vallox Pureo TX 900	Product number	3600010
Nominal air flow rate	900 dm ³ /s, 200 Pa	Efficiency EN308	> 78% at nominal airflow
Filters Supply air Extract air	Filter type Bag filter Bag filter	Filter class ePM ₁ 60 % ePM ₁₀ 60 %	Filter size 1 x 592 x 592 x 535 mm 1 x 592 x 592 x 535 mm
Duct connections	4 x ø 400 mm	Electrical connection	400 V, 50 Hz
Dimensions (w x h x d)	2270 x 2083 x 890 mm	Weight	532 kg

TECHNICAL SPECIFICATIONS			
Product title	Vallox Pureo TX 1300	Product number	3600020
Nominal air flow rate	1300 dm ³ /s, 200 Pa	Efficiency EN308	> 78% at nominal airflow
Filters Supply air Supply air Extract air Extract air	Filter type Bag filter Bag filter Bag filter Bag filter	Filter class ePM ₁ 60 % ePM ₁ 60 % ePM ₁₀ 60 % ePM ₁₀ 60 %	Filter size 1 x 592 x 592 x 535 mm 1 x 287 x 592 x 535 mm 1 x 592 x 592 x 535 mm 1 x 287 x 592 x 535 mm
Duct connections	4 x 800 x 400 mm	Electrical connection	400 V, 50 Hz
Dimensions (w x h x d)	2500 x 2030 x 1520 mm	Weight	916 kg

TECHNICAL SPECIFICATIONS			
Product title	Vallox Pureo TX 1800	Product number	3600030
Nominal air flow rate	1800 dm ³ /s, 200 Pa	Efficiency EN308	> 78% at nominal airflow
Filters Supply air Extract air	Filter type Bag filter Bag filter	Filter class ePM ₁ 60 % ePM ₁₀ 60 %	Filter size 2 x 592 x 592 x 535 mm 2 x 592 x 592 x 535 mm
Duct connections	4 x 1000 x 400 mm	Electrical connection	400 V, 50 Hz
Dimensions (w x h x d)	2500 x 2030 x 1780 mm	Weight	978 kg

VALLOX

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