VALLOX
HOME of FRESH AIR

MyVALLOX
VENTILATION UNIT FEATURES

STANDARD

ONLINE CONTROL
The free **MyVallox Cloud** service enables the user to control the ventilation system anytime and anywhere when the unit is connected to the internet. The software of MyVallox units that have been connected to the cloud service is updated automatically.

The unit can also be connected to the home network, allowing it to be controlled through a terminal device that is connected to the home network via the **MyVallox Home** service.

CARBON DIOXIDE SENSOR
The integrated carbon dioxide sensor boosts ventilation automatically when the carbon dioxide level increases. The air remains fresh, even with many people present in the apartment.

HUMIDITY SENSOR
The integrated humidity sensor boosts ventilation based on the need, e.g. after a sauna or shower. The sensor also reduces ventilation when excess moisture has been removed.

OPTIONS

CONTROL PANEL
Wall-mounted control panels suited to MyVallox units: **MyVallox Control** and **MyVallox Touch** equipped with a touch screen.

ADDITIONAL CONNECTIONS
For instance, a separate fireplace switch, an At Home/Away switch, or a cooker hood that enables adjusting the efficiency of ventilation can be connected to the unit.

HOUSE AUTOMATION
MyVallox units can be directly connected to a Modbus. KNX can be used with a bus adapter.

EXTERNAL SENSORS
Optional wall-mountable external sensors can be connected to MyVallox units.

In larger apartments in particular, it may be useful to install room-specific **carbon dioxide or humidity sensors**, so that the automatic boost will work faster and more efficiently.

The **MyVallox VOC sensor** monitors the indoor air quality, observing organic impurities that are emitted, e.g. from people, detergents, cooking, or building and interior decoration materials

MV VENTILATION UNITS

All models have energy-saving EC fans

BIM models of Vallox products can be downloaded for free for Revit and AutoCAD, and MagiCAD and Cadmatic are also supported.

● = Standard accessory
▲ = Accessory

● = supply air
● = extract air
● = outdoor air
● = exhaust air

Explanation of the symbols
Dimensions of the units and duct outlets can be found in the technical instructions for each type of unit.

	Vallox 51K MV	Vallox 51 MV	Vallox TSK Multi 50 MV	Vallox TSK Multi 80 MV	Vallox 096 MV	Vallox 99 MV	Vallox 110 MV	Vallox 125A MV	Vallox 125B MV	Vallox 125C MV	Vallox 125D MV	Vallox 125E MV	Vallox 125F MV	Vallox 125G MV	Vallox 125H MV	Vallox 145 MV	Vallox 245 MV	Vallox 245 MV VKL
Indicative maximum floor area of the apartment[1]	75 m²	75 m²	80 m²	120 m²	140 m²	150 m²	170 m²	180 m²	180 m²	180 m²	180 m²	180 m²	180 m²	180 m²	180 m²	180 m²	250 m²	430 m²	430 m²
Dimensions (w × h × d) without a siphon	598 × 802 × 349	598 × 668 × 349	900 × 236 × 547	1026 × 293 × 626	600 × 545 × 428	598 × 442 × 625	638 × 678 × 472	598 × 525 × 601	598 × 525 × 601	598 × 525 × 601	598 × 525 × 601	598 × 525 × 601	598 × 525 × 601	598 × 525 × 601	598 × 525 × 601	717 × 748 × 578	1038 × 1241 × 773	1038 × 1241 × 773
Weight	51 kg	45 kg	48 kg	62 kg	47 kg	62 kg	60 kg	66 kg	66 kg	66 kg	66 kg	66 kg	66 kg	66 kg	66 kg	80 kg	181 kg	187 kg
Duct outlets	4 × ø 125 mm	4 × ø 125 mm	8 × ø 100 mm	8 × ø 125 mm	4 × ø 125 mm	4 × ø 125 mm	4 × ø 160 mm	6 × ø 125 mm	8 × ø 125 mm	4 × ø 160 mm	4 × ø 160 mm	4 × ø 125 mm	4 × ø 160 mm	4 × ø 125 mm	4 × ø 160 mm	4 × ø 200 mm	4 × ø 250 mm	4 × ø 250 mm
Maximum extract air flow [2] (dm³/s/100 Pa)	51	51	56	96	86	99	111	127	127	127	127	127	127	127	127	160	271	269
Maximum supply air flow [2] (dm³/s/100 Pa)	46	46	47	85	81	92	107	111	111	111	111	111	111	111	111	142	247	229
Specific energy consumption (SEC) in a temperate climate	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A+	A+
Annual efficiency of heat recovery from extract air*	77 %	77 %	79 %	80 %	77 %	76 %	79 %	75 %	75 %	75 %	75 %	75 %	75 %	75 %	75 %	79 %	82 %	82 %
Specific fan power of the ventilation unit* (kW/m³/s)	1.04	1.04	1,30	1.26	1.48	1.12	1.22	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.52	1.25	0.68	0.70
Type of heat exchanger	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow
HR cell bypass	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Post-heating	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	liquid radiator (VKL)

Control options

	Vallox 51K MV	Vallox 51 MV	Vallox TSK Multi 50 MV	Vallox TSK Multi 80 MV	Vallox 096 MV	Vallox 99 MV	Vallox 110 MV	Vallox 125A MV	Vallox 125B MV	Vallox 125C MV	Vallox 125D MV	Vallox 125E MV	Vallox 125F MV	Vallox 125G MV	Vallox 125H MV	Vallox 145 MV	Vallox 245 MV	Vallox 245 MV VKL
Control methods	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, KNX, 0–10 VDC
Compatible cooker hood for boosting ventilation and controlling the fan speed and ventilation modes	Integrated Vallox Captura cooker hood	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC
Compatible cooker hood for boosting ventilation		Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA

Defrosting

	51K	51	TSK 50	TSK 80	096	99	110	125A	125B	125C	125D	125E	125F	125G	125H	145	245	245 VKL
Defrosting automation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HR cell bypass	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Accessories

	51K	51	TSK 50	TSK 80	096	99	110	125A	125B	125C	125D	125E	125F	125G	125H	145	245	245 VKL
Ceiling mounting plate		▲			▲	▲	▲	▲		▲	▲	▲		▲		▲		
Roof feedthrough		▲			▲	▲	▲	▲		▲	▲	▲		▲		▲		
Wall mounting plate	●	●	▲		●											●		
Carbon dioxide sensor	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
Humidity sensor	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
VOC sensor	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Fireplace mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cooker fan compensation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

1) The floor areas provided are indicative. The dimensioning must be based on a ventilation plan drawn up by a professional.
2) The actual air flow during operation is around 50–60% of the maximum air flow
*Working point defined in the Ecodesign Directive (2009/125/EC), Southern Finland, Helsinki-Vantaa TRY year 2020.

MYVALLOX UNIT FEATURES

The new CFi constant flow feature can compensate for pressure differences, keeping air flows constant in any circumstances.

Easy setup: litre-based air volume adjustment directly from the control panel. If the unit is set up on a computer, the setup settings can be saved and used later for the setup of ventilation units in similar locations. The settings can also be saved to PDF and attached to the setup report.

Familiar MyVallox features: free cloud service, integrated carbon dioxide and humidity sensors, compatibility with building automation systems, optional additional connections, or additional room-specific sensors.

MYVALLOX VENTILATION UNITS WITH A CONSTANT FLOW FEATURE

All models have energy-saving EC fans

BIM models of Vallox products can be downloaded for free for Revit and AutoCAD, and MagiCAD and Cadmatic are also supported.

● = Standard accessory
▲ = Accessory

Explanation of the symbols
● = supply air
● = extract air
● = outdoor air
● = exhaust air
front
Dimensions of the units and duct outlets can be found in the technical instructions for each type of unit.

R model / L model

	MyVallox 51K CFi	MyVallox 51 CFi	MyVallox 99 CFi	MyVallox 125A CFi	MyVallox 125B CFi	MyVallox 125C CFi	MyVallox 125D CFi	MyVallox 125E CFi	MyVallox 125F CFi	MyVallox 125G CFi	MyVallox 125H CFi	MyVallox 119 CFi	MyVallox 149 CFi	MyVallox 245 CFi	MyVallox 245 CFi VKL
Indicative maximum floor area of the apartment[1]	75 m²	75 m²	150 m²	180 m²	180 m²	180 m²	180 m²	180 m²	180 m²	180 m²	180 m²	190 m²	250 m²	430 m²	430 m²
Dimensions (w x h x d) without a siphon	598 x 802 x 349	598 x 668 x 349	598 x 442 x 625	598 x 525 x 601	598 x 525 x 601	598 x 525 x 601	598 x 525 x 601	598 x 525 x 601	598 x 525 x 601	598 x 525 x 601	598 x 525 x 601	643 x 932 x 550	643 x 932 x 550	1038 x 1241 x 773	1038 x 1241 x 773
Weight	49 kg	45 kg	62 kg	66 kg	66 kg	66 kg	66 kg	66 kg	66 kg	66 kg	66 kg	78 kg	78 kg	181 kg	187 kg
Duct outlets	4 x ø 125 mm	4 x ø 125 mm	4 x ø 125 mm	6 x ø 125 mm	8 x ø 125 mm	4 x ø 160 mm	4 x ø 160 mm	4 x ø 125 mm	4 x ø 160 mm	4 x ø 125 mm	4 x ø 125 mm	4 x ø 160 mm	4 x ø 160 mm	4 x ø 250 mm	4 x ø 250 mm
Maximum extract air flow [2] (dm³/s/100 Pa)	45	45	98	111	111	111	111	111	111	111	111	117	148	226	227
Maximum supply air flow [2] (dm³/s/100 Pa)	44	44	97	107	107	107	107	107	107	107	107	116	145	226	226
Reference air flow [2] (dm³/s/50 Pa)	31	31	68	75	75	75	75	75	75	75	75	81	101	158	158
Specific energy consumption (SEC) in a temperate climate	A+	A+	A	A	A	A	A	A	A	A	A	A+	A+	A+	A+
Annual efficiency of heat recovery from extract air*	81 %	81 %	77 %	75 %	75 %	75 %	75 %	75 %	75 %	75 %	75 %	84 %	83 %	83 %	83 %
Specific fan power of the ventilation unit* (kW/m³/s)	1.04	1.04	1.15	1.54	1.54	1.54	1.54	1.54	1.54	1.54	1.54	0.85	1.11	0.63	0.68
Type of heat exchanger	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow	Cross-counter flow
HR cell bypass	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Post heating	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	Electric resistor	liquid radiator (VKL)
Control options															
Control methods	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC	Control panel, Cloud service, LAN, Modbus, 0–10 VDC
Compatible cooker hood for boosting ventilation and controlling the fan speed and ventilation modes	Integrated Vallox Capture cooker hood	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC	Delico PTD EC, X-Line PTXP MC, X-Line PTXPA MC
Compatible cooker hood for boosting ventilation		Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA	Delico KTD A, X-Line KTXA
Defrosting															
Defrosting automation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
HR cell bypass	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Accessories															
Ceiling mounting plate		▲	▲	▲		▲	▲	▲	▲	▲	▲	▲	▲		
Roof feedthrough		▲	▲	▲		▲	▲	▲	▲	▲	▲		▲		
Wall mounting plate	●	●	▲	●	●	●	●	●	●	●	●	●	●		
Carbon dioxide sensor	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
Humidity sensor	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲	●▲
VOC sensor	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	●	●
Fireplace mode	●	●	●	●	●	●	●	●	●	●	●	●	●	●	▲
Cooker fan compensation	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

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*Working point defined in the Ecodesign Directive (2009/125/EC), Southern Finland, Helsinki-Vantaa TRY year 2020.