

vQ STREAM

COMPACT
AIR HANDLING
UNITS



vQ **STREAM**

SUSPENDED AIR HANDLING UNITS



up to **93%**
recovery efficiency



MINERAL WOOL
INSULATION



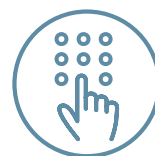
HIGHLY EFFICIENT
HEX COUNTER-FLOW
HEAT RECOVERY



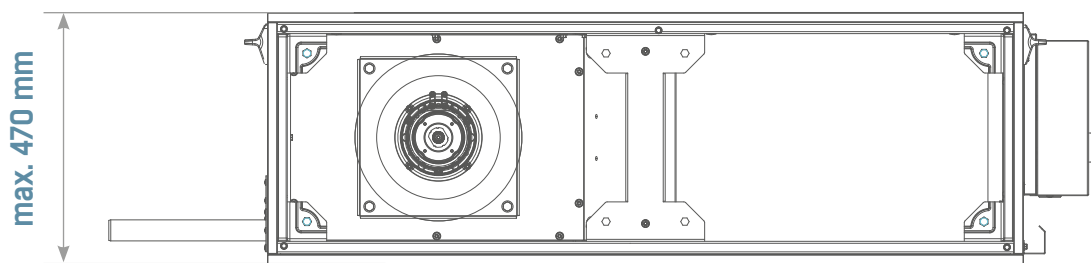
ENERGY SAVING
AND SILENT FANS
WITH EC MOTORS



PLUG & PLAY
PRODUCT



INTEGRATED
MULTIFUNCTIONAL
CONTROLS



vQ STREAM

FLOOR MOUNTED AIR HANDLING UNITS

vQ STREAM
with rotary
heat exchanger



up to **86%**
recovery efficiency

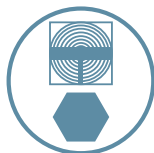
vQ STREAM
with hex counter-flow
heat exchanger



up to **93%**
recovery efficiency



MINERAL WOOL
INSULATION



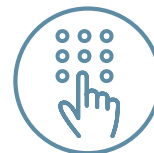
HIGHLY EFFICIENT
ROTARY AND
HEX COUNTER-FLOW
HEAT EXCHANGER



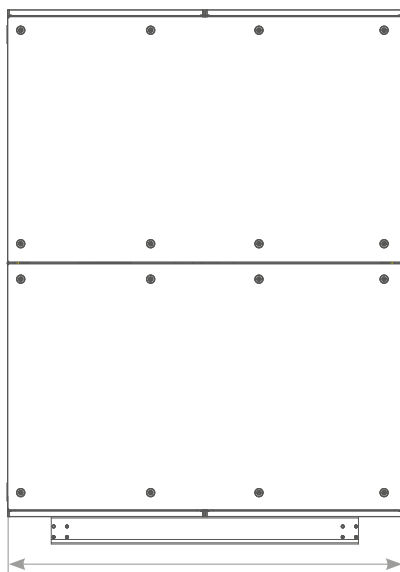
ENERGY SAVING
AND SILENT FANS
WITH EC MOTORS



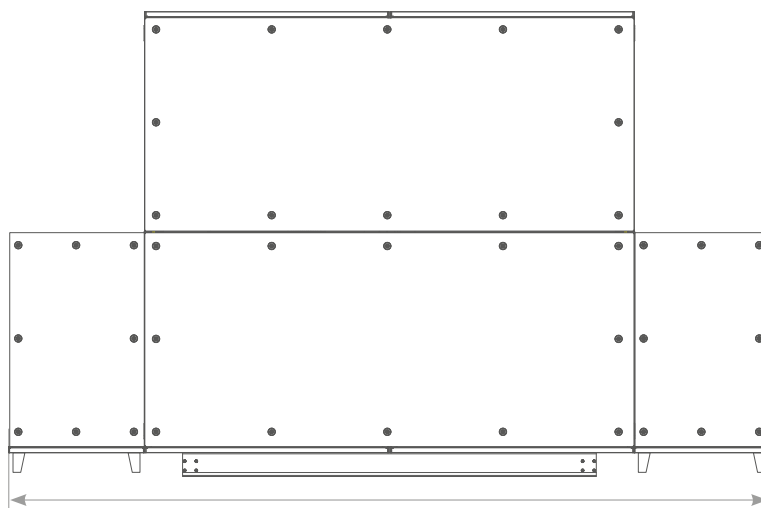
PLUG & PLAY
PRODUCT



INTEGRATED
MULTIFUNCTIONAL
CONTROLS



max. 1400 mm



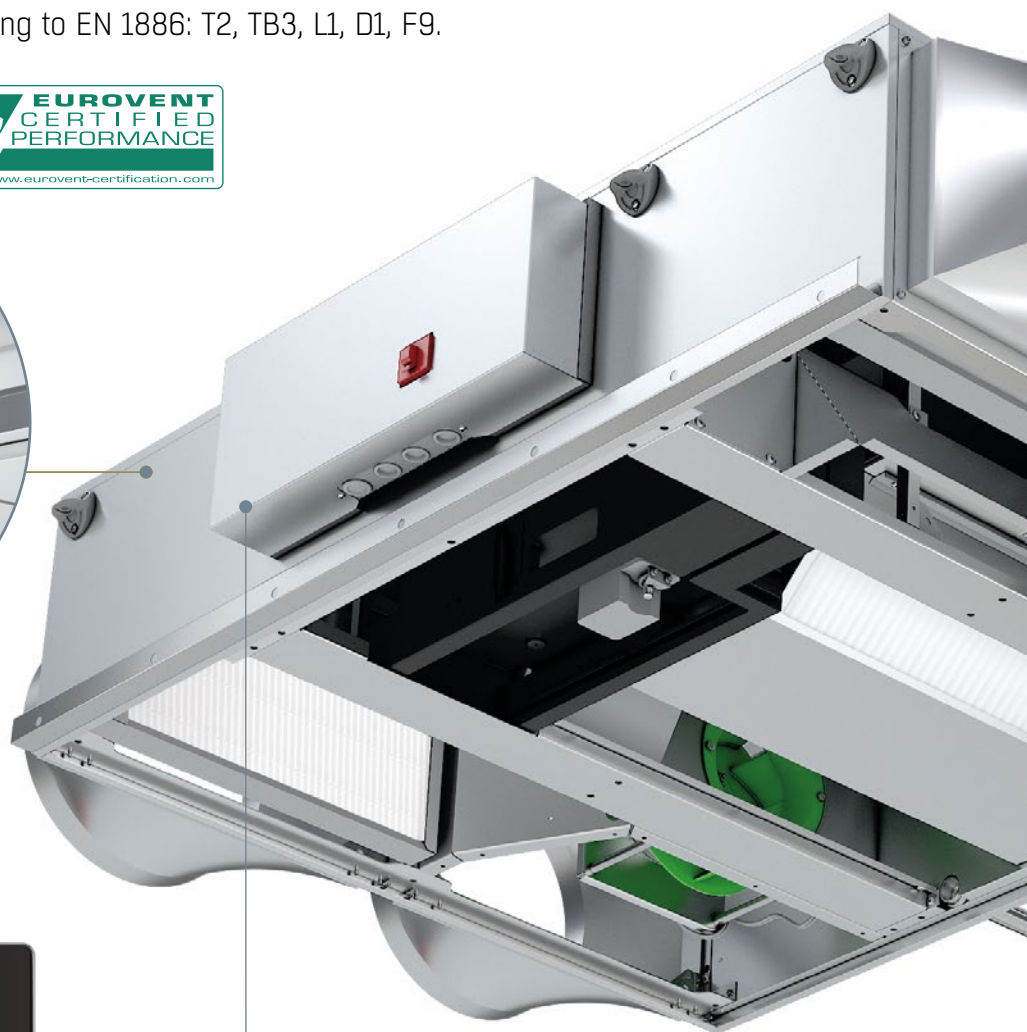
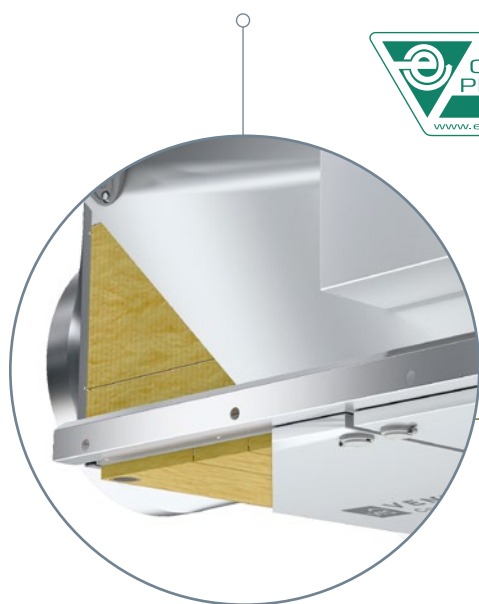
max. 2940 mm

vQ **STREAM**

SUSPENDED AIR HANDLING UNITS

CASING

- Panels filled with mineral wool, enclosed with steel sheet on both sides.
- Casing parameters according to EN 1886: T2, TB3, L1, D1, F9.



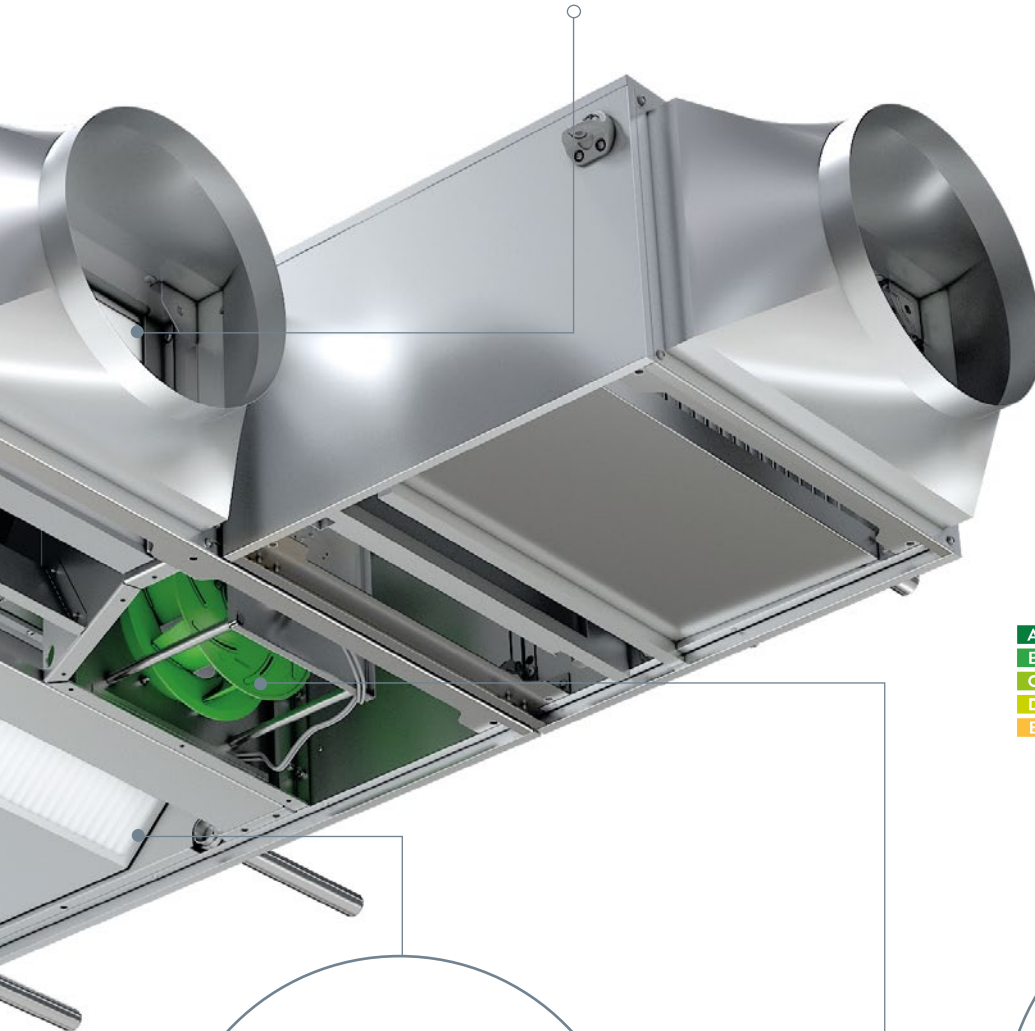
CONTROLS

Multifunctional controls, integrated with the unit
– fully pre-configured and ready to run.

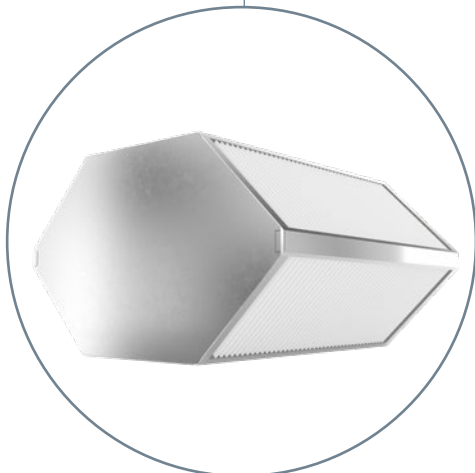
MINI-PLEAT FILTERS

Air filters with extended high efficiency filtration surface.

- Supply - EU7 (ePM2,5 65%)
- Exhaust - EU5 (ePM10 50%)



up to **93%**
drive efficiency



ENERGY RECOVERY

- Highly efficient counterflow hex recovery with by-pass.
- Recovery efficiency reaching 93%



EC MOTORS

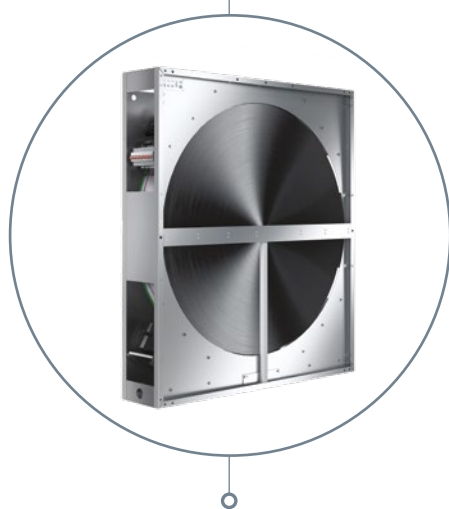
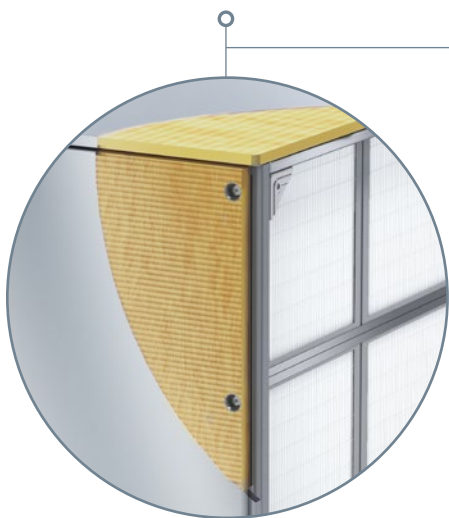
Efficient, silent and low vibrations fan with electronically commutated motor in a IE4 class.

vQ **STREAM**

FLOOR MOUNTED AIR HANDLING UNITS

CASING

- Panels filled with mineral wool, closed with steel sheet on both sides.
- Casing parameters according to EN 1886: T2, TB3, L1, D1, F9.



ENERGY RECOVERY

- Highly efficient heat wheel driven by EC motor.
- Recovery efficiency reaching 86%



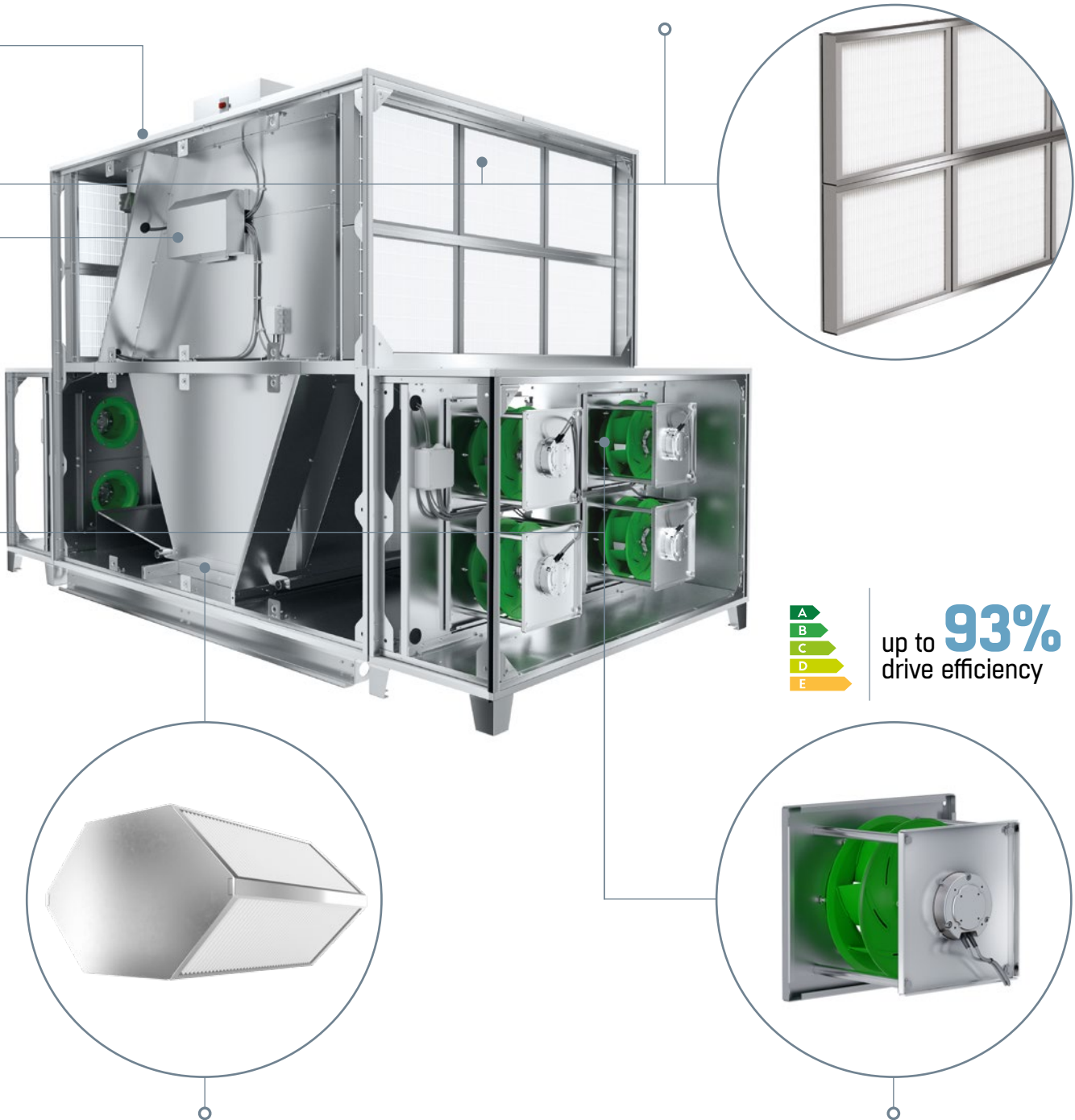
CONTROLS

Multifunctional controls, integrated with the unit
– fully pre-configured and ready to run.

MINI-PLEAT FILTERS

High performance filters with wide active filtration cross-section.

- Supply - EU7 (ePM2,5 65%)
- Exhaust - EU5 (ePM10 50%)



ENERGY RECOVERY

- Highly efficient counterflow hex recovery with by-pass.
- Recovery efficiency reaching 93%

EC MOTORS

Efficient, silent and low vibrations fan with electronically commutated motor in a IE4 class.

SUSPENDED AIR HANDLING UNITS

Base unit overall data

Unit size	Nominal airflow	Airflow range	Height	Width	Duct connection height	Duct connection width
	[m³/h]	[m³/h]	[mm]	[mm]	[mm]	[mm]
VQS005s	500	150 - 650	380	790	318	335
VQS010s	1000	300 - 1100	380	1150	318	515
VQS015s	1500	450 - 1650	380	1550	318	715
VQS020s	2000	600 - 2200	470	1610	408	743
VQS030s	3000	900 - 3300	470	2160	408	1018

Section length

Unit size		F	H	C	HC
	Base unit	Additional air treatment functions			
	[mm]	[mm]	[mm]	[mm]	[mm]
VQS005s	1230	180	200 - 460	370 - 460	460 - 920
VQS010s	1500	180	200 - 460	370 - 460	460 - 920
VQS015s	1500	180	200 - 460	370 - 460	460 - 920
VQS020s	1828	180	200 - 460	370 - 460	460 - 920
VQS030s	1828	180	200 - 460	370 - 460	460 - 920

Duct accessories

Dimension WxH [mm]	VQS005s	VQS010s	VQS015s	VQS020s	VQS030s
Flexible connection	305x288	485x288	685x288	730x375	1005x375
Air damper	305x288	485x288	685x288	730x375	1005x375
Rectangle spigot	330x310/300x300	510x310/400x350	710x310/400x350	740x400/500x400	1015x400/800x400
Rounded spigot	330x310/355	510x310/355	710x310/355	740x400/450	1015x400/450

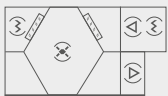
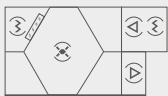
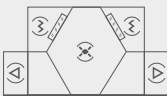
FLOOR MOUNTED AIR HANDLING UNITS

Base unit overall data

Unit size	Nominal airflow	Airflow range	Height	Width	Duct connection height	Duct connection width
	[m³/h]	[m³/h]	[mm]	[mm]	[mm]	[mm]
VQS021c	2100	840 - 2310	991	967	345	860
VQS030c	3000	900 - 3300	1255	967	480	860
VQS040c	4000	1200 - 4400	1255	1174	480	1065
VQS055c	5500	1650 - 6050	1525	1345	615	1235
VQS075c	7500	2250 - 8250	1765	1486	735	1380
VQS100c	10000	3000 - 11000	1965	1666	835	1560
VQS120c	12000	3600 - 13200	2039	1897	870	1790
VQS150c	15000	4500 - 16500	2241	2091	970	1985

Height includes 90 mm base rail

Base unit lengths

Unit size						
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
VQS021c	1240	1080	1080	2 230	2 230	2 500
VQS030c	1240	1080	1080	2 230	2 230	2 500
VQS040c	1240	1080	1080	2 230	2 230	2 500
VQS055c	1240	1080	1080	2 290	2 290	2 560
VQS075c	1240	1080	1080	2 530	2 530	2 800
VQS100c	1300	1300	1080	2 570	2 570	2 800
VQS120c	1300	1300	1080	2 670	2 670	2 900
VQS150c	1300	1300	1080	2 730	2 730	2 940

Additional section length

Unit size	F	H	C	HC	S
	[mm]	[mm]	[mm]	[mm]	[mm]
VQS021c	240	310 - 710	370 - 710	550 - 710	1080
VQS030c	240	310 - 710	370 - 710	550 - 710	1080
VQS040c	240	310 - 710	370 - 710	550 - 710	1080
VQS055c	240	310 - 630	450 - 790	630 - 790	1080
VQS075c	240	310 - 630	450 - 790	630 - 790	1080
VQS100c	240	310 - 630	890	890	1080
VQS120c	240	310 - 630	890	890	1080
VQS150c	240	310 - 630	920	920	1080

vQ STREAM MANAGEMENT SYSTEM

FläktGroup vQ Stream units are supplied with a control system with a factory-implemented application for remote monitoring and management of the operating parameters of the units in real time via a web browser on any mobile device.

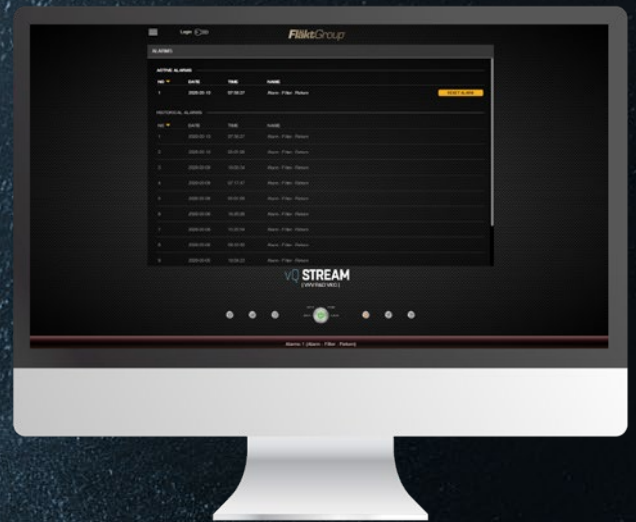
- Remote monitoring and management of units parameters.
- Easy and intuitive change of the devices operating mode.
- Quick setup up of the optimal units operating schedule.
- Visualisations of any devices parameters - current and stored data.
- Reading of consumed and saved energy.
- Accessed via PC, mobile device, web browser.





Graphical operation calendar:

- Changing time intervals using sliders



Faults and alarms handling:

- Clearing alarms
- Alarm logging



Charts of unit's operation:

- Two charts – main and secondary
- Free selection of the set of parameters for monitoring and assigning them to selected ranges



Analysis of savings resulting from the operating scenario used:

- Graphical representation of the use of particular energy media
- Costs and savings shown in any currency.

EXCELLENCE IN SOLUTIONS

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FläktGroup is the European market leader for smart and energy efficient Indoor Air and Critical Air solutions to support every application area. We offer our customers innovative technologies, high quality and outstanding performance supported by more than a century of accumulated industry experience. The widest product range in the market, and strong market presence in 65 countries worldwide, guarantee that we are always by your side, ready to deliver Excellence in Solutions.

PRODUCT FUNCTIONS BY FLÄKTGROUP

Air Treatment | Air Movement | Air Diffusion
Air Distribution | Air Filtration | Air Management & ATD's
Air Conditioning & Heating | Controls | Service

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