



LOT6



2018

CONSTANT



air volume

ec



technology

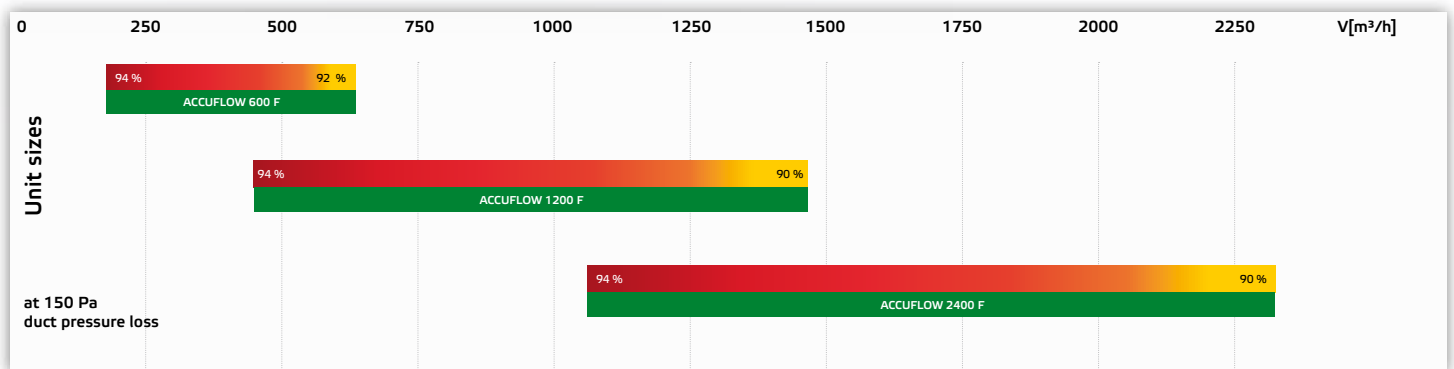
ACCUFLOW

THE SQUARING OF THE ROTARY WHEEL



- Accumulator heat exchanger with efficiency up to 93 %
- Humidity recovery up to 70 %
- No additional heating coils required
- No additional costs for frost protection measures
- Constant air volume controlled EC fans

OVERVIEW AIR PERFORMANCE

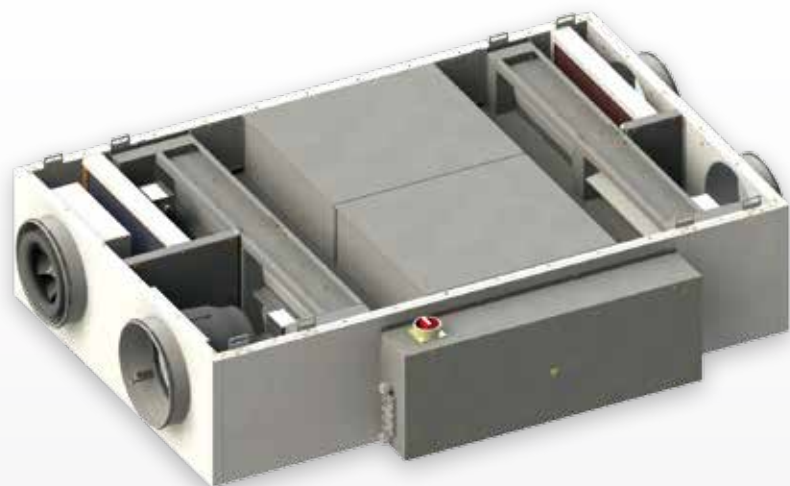


HEAT RECOVERY:

The application of the compact air handling unit ACCUFLOW covers the ventilation heat requirement of a building almost exclusively with its heat recovery of 93 %. Mostly, electric heaters or warm water reheaters are not necessary.

The regenerative heat recovery enables a recovery of 70 % room humidity in particular during cold seasons. This compensates too dry room air and improves comfort.

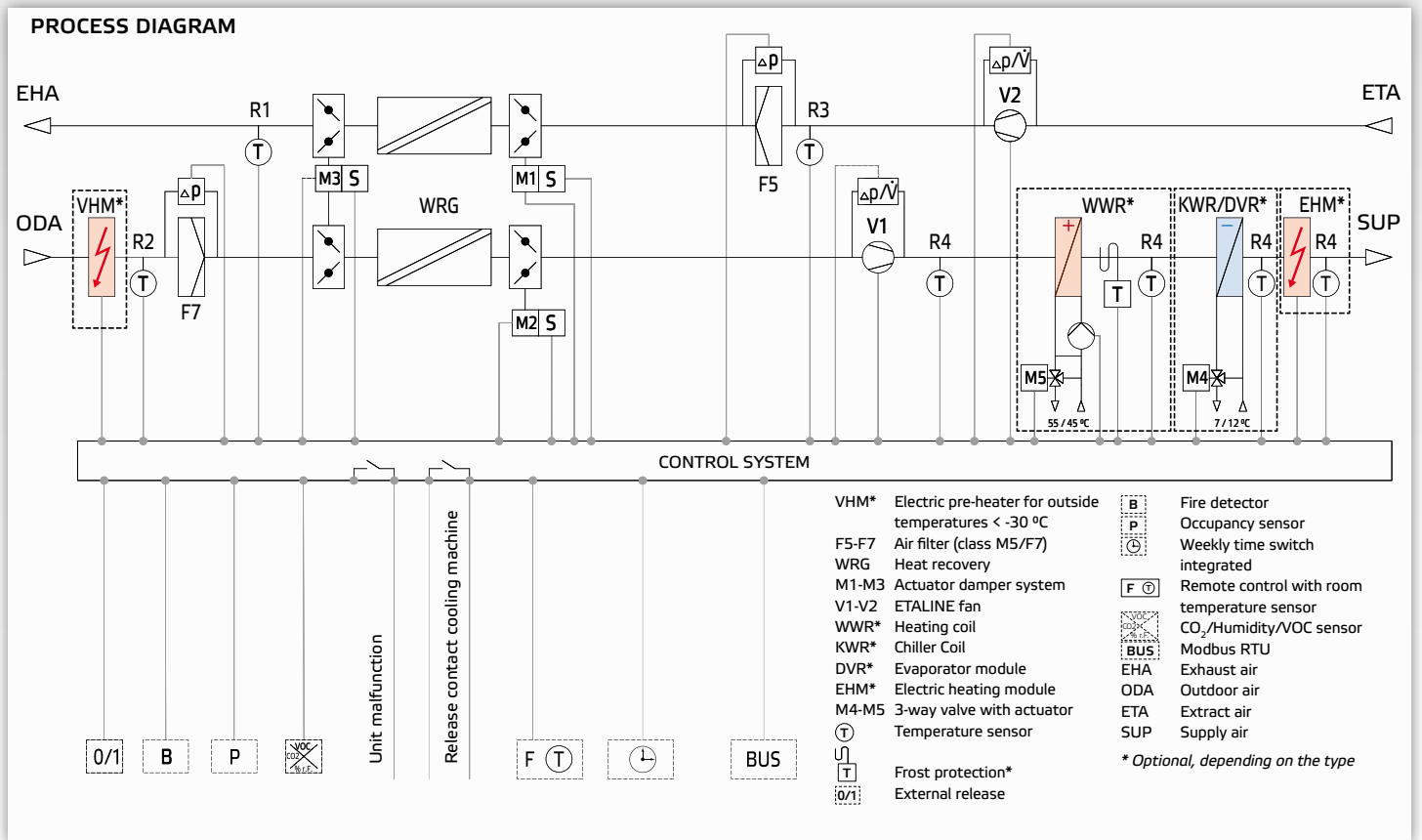
High performance heat recovery consists of two static storage masses which are alternately streamed by warm extract and cold outside air. The damper system is air tight and designed for a long service life. The switching times are perfectly adapted to the device air volume and can be reduced down to free cooling.



Fields of application:

For the ventilation of rooms where the emission sources are human metabolism or building materials and structures, e.g. offices, spaces for public service, meeting rooms.

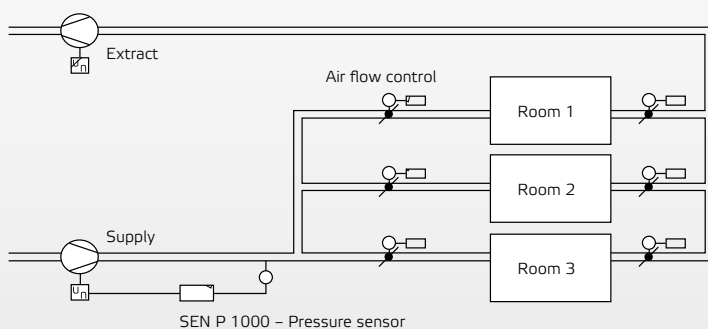
WITH ACCUMULATOR HEAT EXCHANGER



Control System:

The ACCUFLOW range offers a constant volume ventilation system. The desired air volume can be easily set via the control unit. The controller also has built-in automatic mass flow correction. This means that even in winter only the desired air volume flow rates are fed into the building. These ventilation units therefore offer additional energy savings of up to 15%. Further control functions such as CO₂, humidity levels or external volume flow control as well as an integrated modbus interface provide great flexibility.

The new PV control combines constant pressure control with constant air volume control to guarantee a balanced air volume also for buildings where external variable air volume controllers VAV are used.



Housing quality

Mechanical strength	(EN 1886)	D2
Housing Leakage Negative pressure -400 Pa	(EN 1886)	L3
Housing Leakage Positive pressure +700 Pa	(EN 1886)	L3
Filter bypass leakage	(EN 1886)	F7
Casing class	(EN 1886)	T3
Insulation material class	(EN 13051-1)	A1
Housing insulation		30 mm

Energy efficiency classes

Speed class	(EN 13053/A1:2010)	V1
Heat recovery class	(EN 13053/A1:2010)	H1
Energy efficiency heat recovery	(EN 13053/A1:2010)	90 %
Electrical power consumption	(EN 13053/A1:2010)	P2
Thermal efficiency supply air (EN 308)	EEWärmeG >0,7	0,92
Humidity efficiency	(EN 308)	up to 60 %
Heat recovery rate		85 %
Specific fan power (SFP E supply air)	(EN 13779)	SFP 2
Extract air class	ETA 1	
Operating limits indoor installation		
Fresh air temperature		-28 °C bis 40 °C
Installation place		min. 5 °C

OUR RANGE OF PRODUCTS

IN LINE TUBE FANS

ETALINE and ETAMASTER, the No. 1 in saving energy.



DUCT FANS

Centrifugal fans backward curved, compact diagonal fans.



EXHAUST FANS

For industrial or kitchen exhaust, up to 120 °C.



ROOF FANS

With vertical discharge, up to 120 °C.



COMPACT AHU

Recuperative heat recovery up to 85 %, with counter flow heat exchangers and EC fans.



WITH HIGH PERFORMANCE HEAT RECOVERY

Regenerative constant heat recovery up to 93 %. Plug-and-Play concept.



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