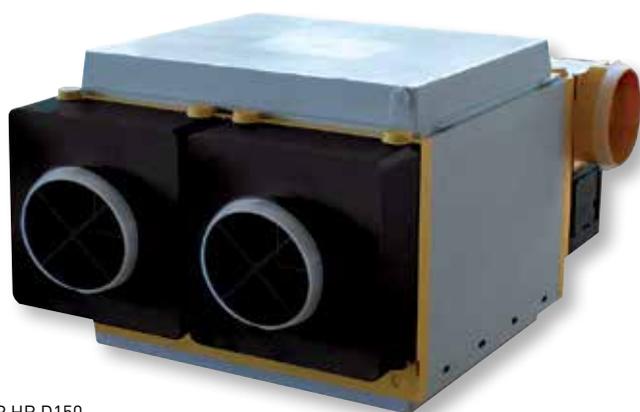


AKOR BP HR

Energy recovery ventilation systems for single dwelling houses or multi-dwelling blocks, with crossflow heat exchanger. It guarantees continuous air replacement in single dwelling houses or multi-dwelling blocks up to 92% of efficiency. It connects, via ducting, to extraction outlets in each of the 'wet' rooms. The fresh air that has been pre heated enters the rooms through supply air vents. Equipped with 2 centrifugal fans (a supply and an extract fan), each with a 230V-50Hz motor, Class B, 3-speed, designed for continuous operation, and terminal housing to connect the power supply cable. Equipped with filter change alarm.



AKOR BP HR D150



**Specific applications**



Single dwellings



Multi dwelling blocks



Heat recovery unit



**Easy maintenance**  
and filter cleaning.



**Efficient counter flow heat exchanger**  
High efficient counter flow heat exchanger, manufactures from polypropylene plates.



**Drain**  
Permanent drain to evacuate condensation water.



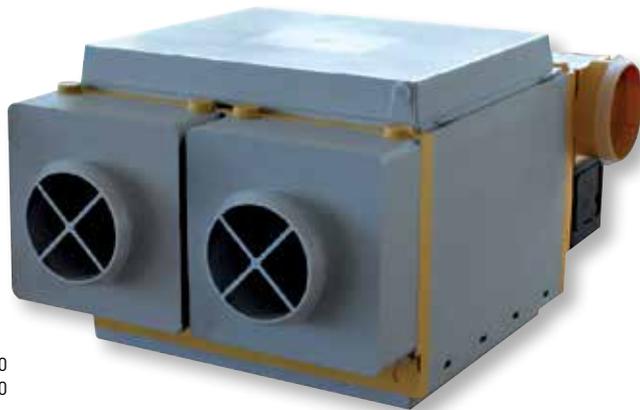
**Integrated rubber seals**  
Circular connection flange with Integrated rubber seals.



**Incorporated remote control**  
with double-switch:  
- by-pass activation  
- speed change



AKOR BP ST



AKOR BP ST D150  
 AKOR ST GD D150

Energy recovery ventilation systems for single dwelling houses or multi-dwelling blocks, with crossflow heat exchanger. It guarantees continuous air replacement in single dwelling houses or multi-dwelling blocks up to 60% of efficiency. It connects, via ducting, to extraction outlets in each of the 'wet' rooms. The fresh air that has been pre heated enters the rooms through supply air vents. Equipped with 2 centrifugal fans (a supply and an extract fan), each with a 230V-50Hz motor, Class B, 3-speed, designed for continuous operation, and terminal housing to connect the power supply cable.



**Specific applications**



Single dwellings



Multi dwelling blocks



Heat recovery unit



**Easy maintenance**  
 and filter cleaning.



**Efficient cross flow heat exchanger**  
 High efficient cross flow heat exchanger, manufactures from polypropylene plates.



**Drain**  
 Permanent drain to evacuate condensation water.



**Integrated rubber seals**  
 Circular connection flange with Integrated rubber seals.



**Incorporated remote control**  
 with double-switch:  
 - by-pass activation  
 - speed change

**REFERENCE**

<b>A</b>	<b>K</b>	<b>O</b>	<b>R</b>	<b>B</b>	<b>P</b>	<b>S</b>	<b>T</b>	<b>D</b>	<b>1</b>	<b>5</b>	<b>0</b>
1				2		3		4			

- 1 - **AKOR:** Serie.
- 2 - **BP:** By-pass
- 3 - **ST:** Cross flow heat exchanger  
**HR:** High efficiency heat exchanger
- 4 - **D150:** 150mm connection diameter.

**TECHNICAL CHARACTERISTICS**

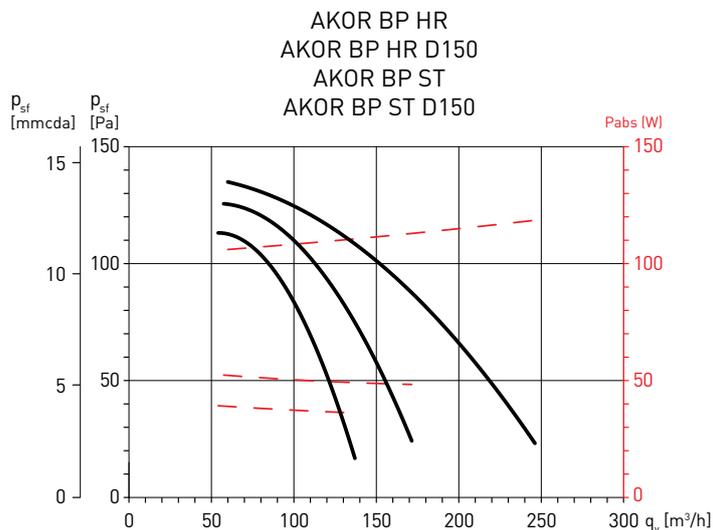
Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

Model	Voltage (V)	Power absorbed at free discharge (Maximum) (W)	Sound pressure level (dB(A))	Configuration	Weight (kg)	Wiring diagram* (nº)
AKOR BP HR	230	132	52	4 inlet bellmouth de 80 mm 1 inlet bellmouth 125 mm	16	48
AKOR BP HR D150	230	132	52	1 inlet bellmouth 150 mm	16	48
AKOR BP ST	230	132	52	4 inlet bellmouth 80 mm 1 inlet bellmouth 125 mm	15	48
AKOR BP ST D150	230	132	52	1 inlet bellmouth 150 mm	15	48

\* See section of Wiring Diagrams.

**PERFORMANCE CURVES**

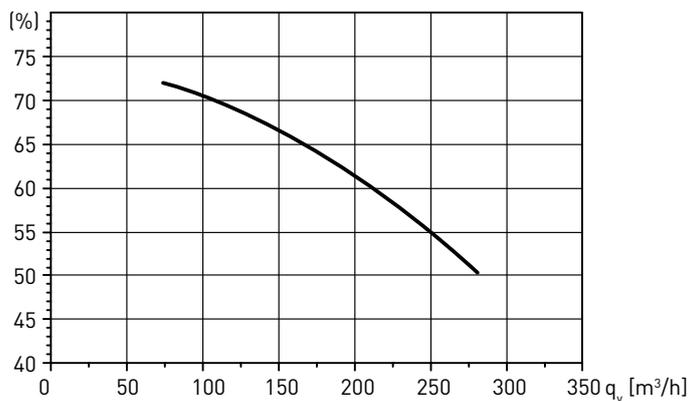
The curves correspond to each of the 2 fans that each AKOR model incorporates.



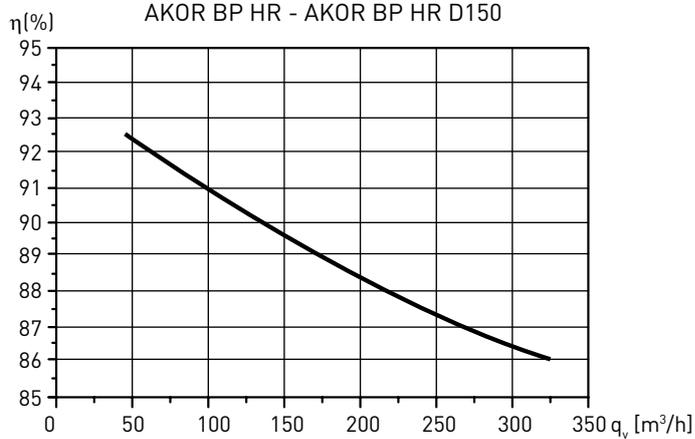
**EFFICIENCY CURVE**

Outdoor temperature: 5°C.  
 Outdoor relative humidity: no significant.  
 Indoor temperature: 25°C.  
 Indoor relative humidity: 30%.

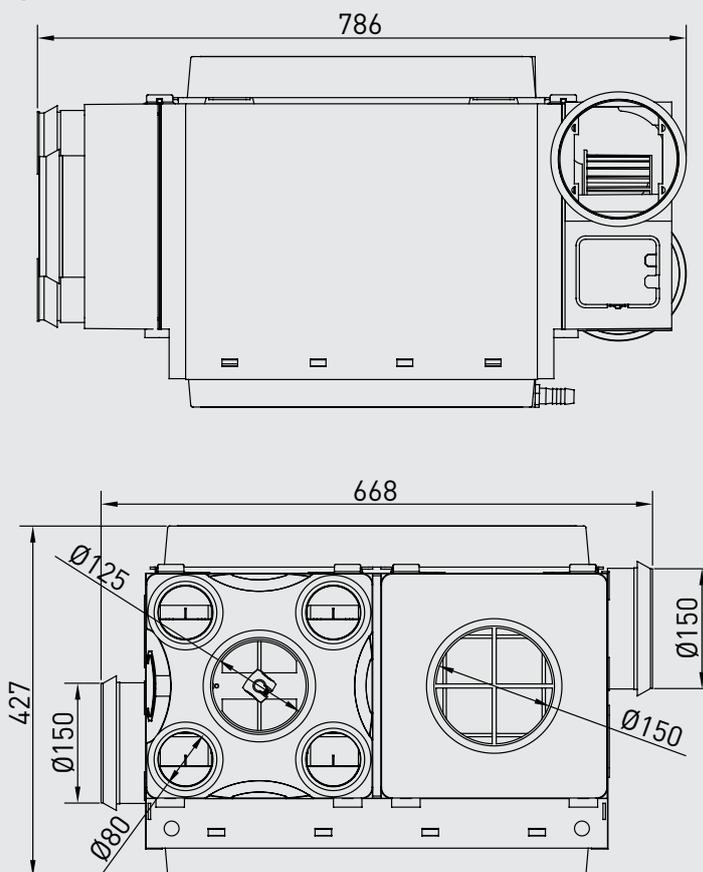
AKOR BP ST - AKOR BP ST D150



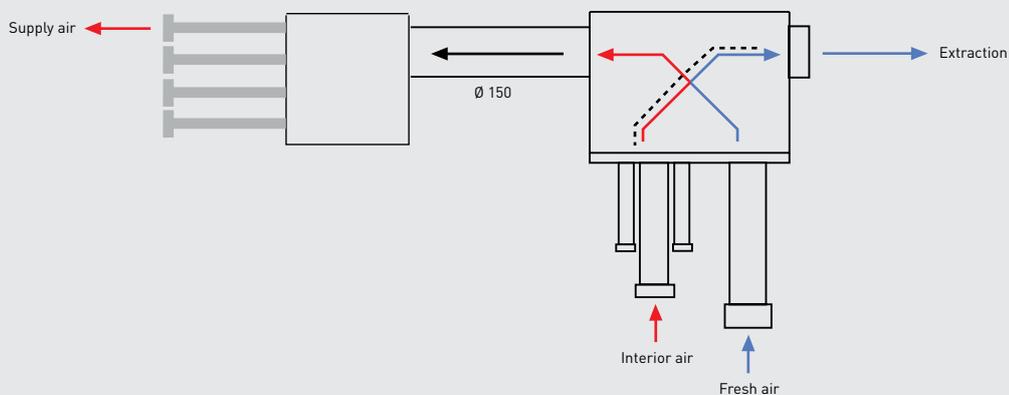
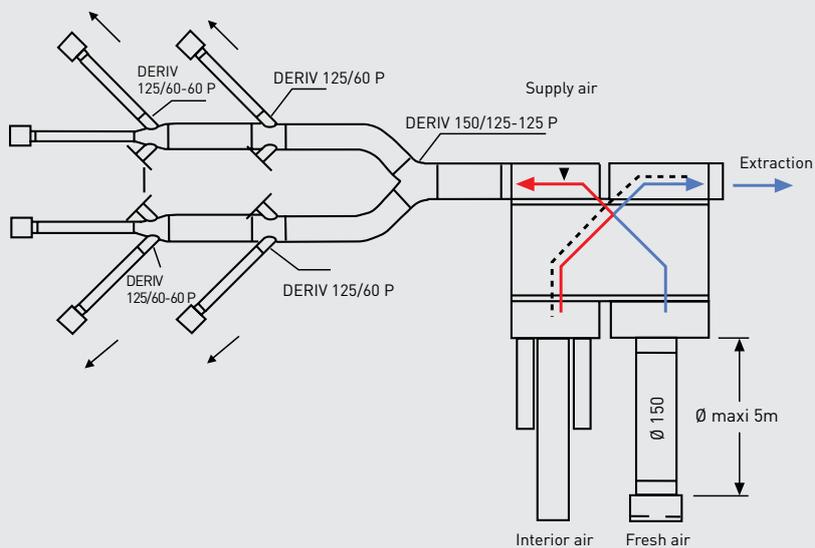
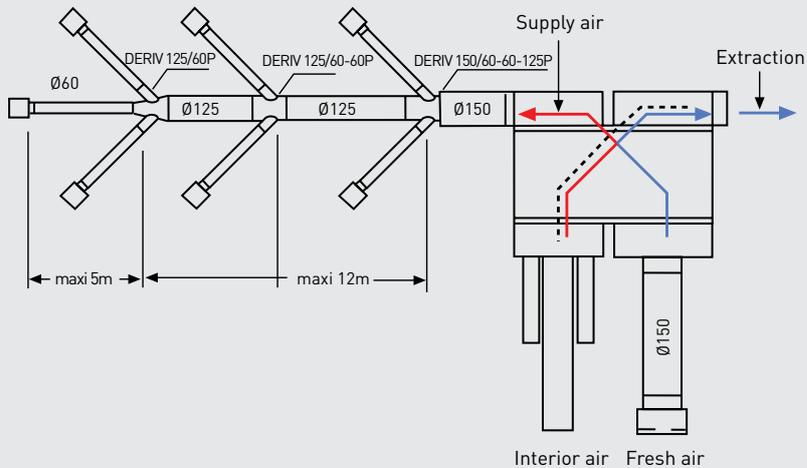
AKOR BP HR - AKOR BP HR D150



**DIMENSIONS (mm)**



**INSTALLATION EXAMPLES**



**ACCESSORIES**



**ABE AKOR 500W  
Pre-heating coil**  
 Prevents the formation of ice from the condensation on the interchanger plates in the air extract. Made from galvanized steel plate and supplied with polyethylene clips. It has a heat resistance of 500W and control thermostats.



**RDR**  
 Self-adjusting damper (50-250 Pa) that, fitted inside the duct, maintains constant airflow.



**RD BP**  
 Specific low-pressure (20-100 Pa) and self-adjusting damper with sleeve to fit directly into the duct. 80mm diameter. Airflow: 15 or 30 m<sup>3</sup>/h.



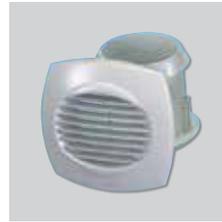
**RD BP SM**  
 Specific low-pressure (20-100 Pa) and self-adjusting damper without sleeve to fit directly into the sleeve of the BDOP. 80mm diameter. Airflow: 15 or 30 m<sup>3</sup>/h.



**TAT**  
 Air inlet grille under roof Ø150.



**TAP**  
 Wall mounted air inlet grille Ø150 mm.



**BOA/BOAC  
Inlet valves**  
 BOA 80/125.  
 BOAC 80/125.



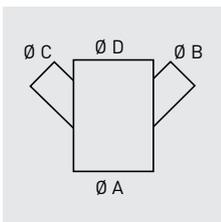
**CT  
Plastic roof  
terminal cowl**



**Plenum AKOR**  
 10 inlet spigots in Ø60 mm. Outlet spigot in Ø150 mm. 5 covers.



**DERIV**  
 Duct fittings.



Model	Ø A (mm)	Ø B (mm)	Ø C (mm)	Ø D (mm)
DERIV 80-80 P	80	80	80	
DERIV 125-60-60-125 P	125	60	60	125
DERIV 125-60-60-125 P	125	60	60	60
DERIV 150-125-125 P	150	125	125	
DERIV 150-60-60-125 P	150	60	60	125