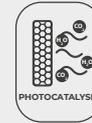


UPC/EC PCO

Air purifying units with photocatalysis-based technology



Ventilation and purification units with photocatalysis technology and HEPA filter for cleaning and disinfecting air and surfaces inside any high occupancy area.

Characteristics:

- 40 mm aluminium profile structure.
- Dirty filter monitoring and alarm.
- Covers with a high quality, 25 mm thick acoustic casing made of prefinished sheet.
- Backward curved impeller.
- Built-in photocatalyst device with negative ionisation.
- Filtration stages: F7 + HEPA H14.
- Inspection cover for filter maintenance and replacement.
- Effective for up to 40 linear metres of ducting.

Motor:

- High efficiency EC Technology motors, outer rotor adjustable via 0-10 V signal.
- Single-phase 200-240 V 50/60 Hz and three-phase 380-480 V 50/60 Hz.
- Maximum temperature of air to be carried: -25 °C +60 °C.

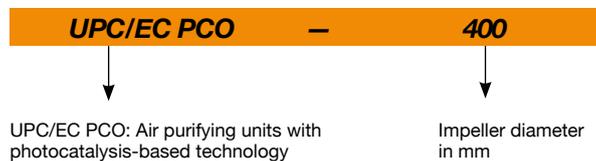
Finish:

- Aluminium profile and prefinished sheet steel structure with 25 mm thick thermal and acoustic insulation panels.

On request:

- Particulate matter sensor for automatic control SI-PM2.5+VOC or SI-CO2+VOC.

Order code



Filter characteristics

STANDARD FILTERS	EN 779 <i>Em</i>	EN 1822	ISO 16890			
			ISO ePM ₁	ISO ePM _{2,5}	ISO ePM ₁₀	ISO COARSE
F7	90%	-	>50%	>65%	>85%	-
H14	-	>99.995%	-	-	-	-

Technical characteristics

Model	Recommended effective working area ¹ (m ²)	Speed (r/min)	Power (W)	Power supply	Sound pressure level at 50% of max speed. ² dB (A)	Maximum flow rate (m ³ /h)	Approx. weight (Kg)
UPC/EC PCO-310	100	2377	450	200-240V 50/60Hz 1Ph	55	800	56
UPC/EC PCO-400	160	1550	460	200-240V 50/60Hz 1Ph	47	1300	98
UPC/EC PCO-500	240	1250	1150	380-480V 50/60Hz 3Ph	51	1950	166

¹Recommended effective working area with a 3-meter-high premises.

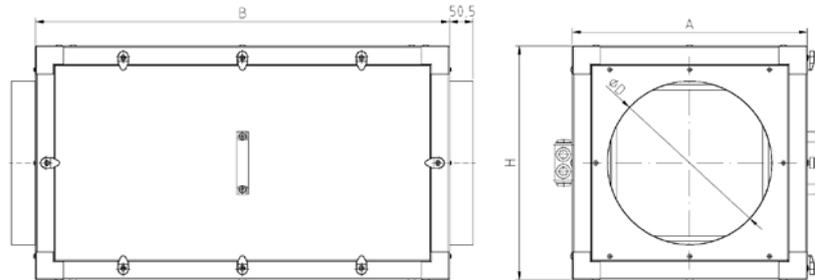
² Irradiated sound pressure level in dB(A) at a distance of 3 m.



Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Dimensions mm



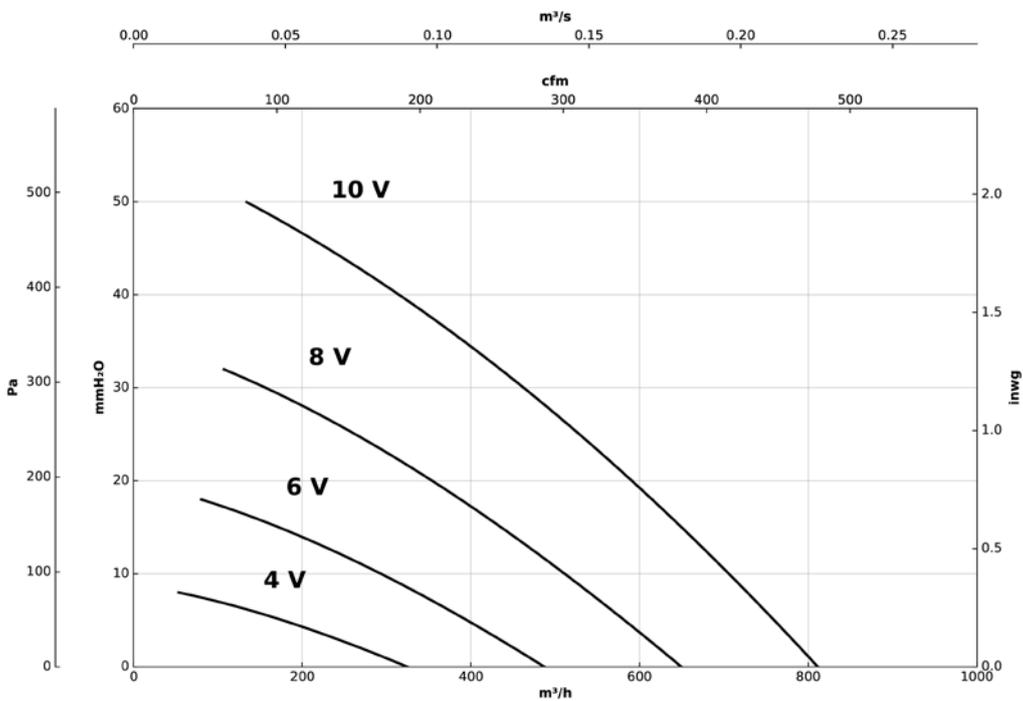
	A	B	H	øD
UPC/EC PCO-310	500	880	500	350
UPC/EC PCO-400	700	1080	700	450
UPC/EC PCO-500	900	1280	900	500

Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg

UPC/EC PCO -310



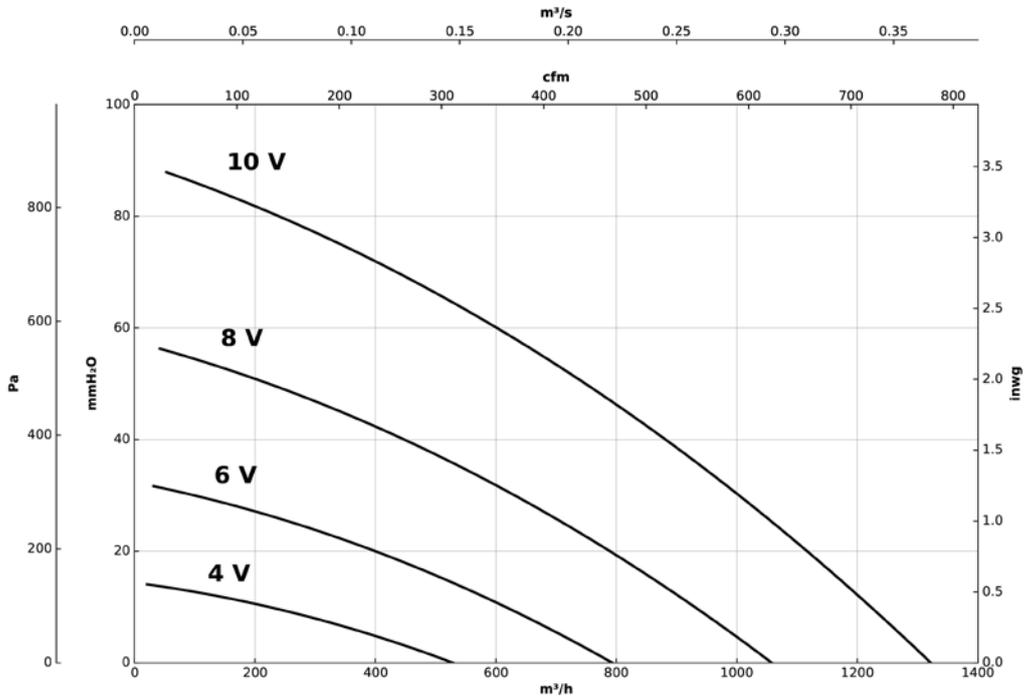
FILTRATION AND DISINFECTION UNITS

Characteristic curves

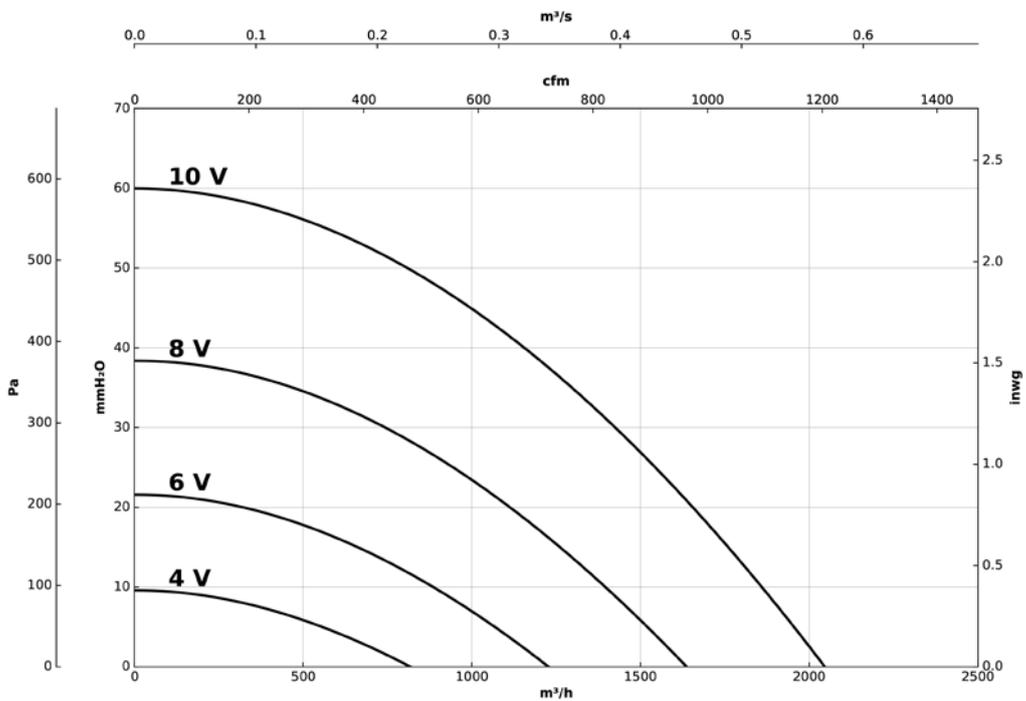
Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg

UPC/EC PCO -400



UPC/EC PCO -500



Accessories

