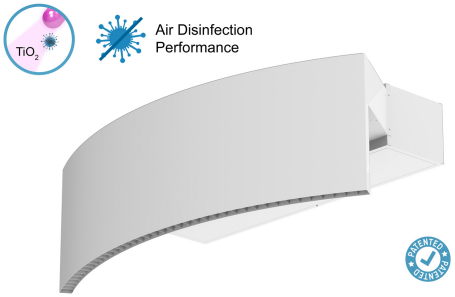
Characteristics

Rotowind air curtain for revolving doors, custom-built and equipped with Kleenfan photocatalytic technology to disinfect and purify the air by eliminating viruses, bacteria and other airborne contaminants. Kleenfan technology uses photocatalytic fans: long-life UV-A LED light acts on the titanium dioxide in the impeller, generating Reactive Oxygen Species (ROS) that deactivate a wide range of pathogenic microorganisms (viruses and bacteria) through oxidation-reduction reactions. It also mineralizes most urban air pollutants generated by traffic and industry (NOx, SOx, COx, VOCs, etc.).

Specially designed for all types of revolving doors, with two custom-made configurations available. Self-supporting galvanized steel casing with standard RAL 9016 white epoxy-polyester coating; other colours or stainless steel construction are available on request. Large faceted intake grille designed to reduce maintenance requirements. Circular discharge outlet with anodized aluminium airfoil blades. Double-inlet centrifugal fans with low-noise, low-energy EC external rotor motors. P models include a hot water coil; E models feature a three-stage electric heater with integrated control; A models provide ambient air only, without heating. An optional DX direct expansion coil is also available. Advanced Plug&Play control included: Advanced PRO controller with LCD display and built-in thermostat, door contact, 7 m RJ11 cable and remote control. Optional Clever PRO intelligent control (automatic, programmable, Modbus via PLC, timer, etc.).



- Kleenfan technology with photocatalytic purificant action fans. UV-A rays, from the long-life led, act on the titanium dioxide of the turbine generation Reactive Oxygen Species (ROS) than, through oxidation /reduction reactions, inactivate wide range of pathogenic microorganisms (viruses and bacteria). It mineralizes most of the pollutants present in urban areas produced by vehicles and industry (NOx, SOx, COx, formaldehydes, VOCs, etc.).
- Specially designed to be installed in all type of revolving doors. Two possible layouts, tailored dimensions.
- Self-supporting casing construction made of galvanized steel plate, finished in structural epoxy-polyester painting white colour RAL9016 as standard. Other colours or stainless steel are available on request.
- Large faceted inlet grille avoiding intensive maintenance.
- Circular anodized aluminium outlet vanes, airfoil shaped.
- EC Double-inlet centrifugal fans driven by an external rotor motor and low noise level, with very low consumption efficency fans.
- “P” type with water heated coil. “E” type with electrical shielded elements, three stages with integrated regulation. “A” type without heating, air only. Optional expansion DX coil.
- Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control. Optional: intelligent Clever Pro Control (automatic, programmable, ModBus for PKC, timer, etc.)

Specifications

50Hz

Unheated		
Model	**Nominal Airflow** (m^3/h)	**Recommended Installation Range** (m)
ROTO ECG 1000 A FC	2700	3-4,2
ROTO ECG 1500 A FC	3600	3-4,2
ROTO ECG 2000 A FC	5400	3-4,2
ROTO ECG 2500 A FC	6300	3-4,2

Electrical Heating			
Model	**Nominal Airflow** (m^3/h)	**Electrical Heating Capacity 400Vx3** (kW)	**Recommended Installation Range** (m)
ROTO ECG 1000 E FC	2700	5/10/15	3-4,2
ROTO ECG 1500 E FC	3600	7,5/15/22,5	3-4,2
ROTO ECG 2000 E FC	5400	10/20/30	3-4,2
ROTO ECG 2500 E FC	6300	10/20/30	3-4,2

Water Heating

Model	Nominal Airflow (m³/h)	Recommended Installation Range (m)	Heating Capacity 80/60ºC (kW) (kW)	Heating Capacity 60/40ºC (kW) (kW)	Heating Capacity 50/40ºC (kW)
ROTO ECG 1000 P86 FC	2550	3-4,2	11.89	-	-
ROTO ECG 1500 P86 FC	3400	3-4,2	17.29	-	-
ROTO ECG 2000 P86 FC	5100	3-4,2	26.86	-	-
ROTO ECG 2500 P86 FC	5950	3-4,2	33.63	-	-
ROTO ECG 1000 P64 FC	2550	3-4,2	-	11.27	-
ROTO ECG 1500 P64 FC	3400	3-4,2	-	16.77	-
ROTO ECG 2000 P64 FC	5100	3-4,2	-	24.14	-
ROTO ECG 2500 P64 FC	5950	3-4,2	-	28.84	-
ROTO ECG 1000 P54 FC	2550	3-4,2	-	-	11.5
ROTO ECG 1500 P54 FC	3400	3-4,2	-	-	17.86
ROTO ECG 2000 P54 FC	5100	3-4,2	-	-	25.24
ROTO ECG 2500 P54 FC	5950	3-4,2	-	-	31.38

60Hz

Unheated

Model	Nominal Airflow (m³/h)	Recommended Installation Range (m)
ROTO ECG 1000 A FC	2700	3-4,2
ROTO ECG 1500 A FC	3600	3-4,2
ROTO ECG 2000 A FC	5400	3-4,2
ROTO ECG 2500 A FC	6300	3-4,2

Electrical Heating

Model	Nominal Airflow (m³/h)	Electrical Heating Capacity 400Vx3 (kW)	Recommended Installation Range (m)
ROTO ECG 1000 E FC	2700	5/10/15	3-4,2
ROTO ECG 1500 E FC	3600	7,5/15/22,5	3-4,2
ROTO ECG 2000 E FC	5400	10/20/30	3-4,2
ROTO ECG 2500 E FC	6300	10/20/30	3-4,2

Water Heating

Model	Nominal Airflow (m³/h)	Recommended Installation Range (m)	Heating Capacity 80/60ºC (kW) (kW)	Heating Capacity 60/40ºC (kW) (kW)	Heating Capacity 50/40ºC (kW)
ROTO ECG 1000 P86 FC	2550	3-4,2	11.89	-	-
ROTO ECG 1500 P86 FC	3400	3-4,2	17.29	-	-
ROTO ECG 2000 P86 FC	5100	3-4,2	26.86	-	-
ROTO ECG 2500 P86 FC	5950	3-4,2	33.63	-	-
ROTO ECG 1000 P64 FC	2550	3-4,2	-	11.27	-
ROTO ECG 1500 P64 FC	3400	3-4,2	-	16.77	-
ROTO ECG 2000 P64 FC	5100	3-4,2	-	24.14	-
ROTO ECG 2500 P64 FC	5950	3-4,2	-	28.84	-
ROTO ECG 1000 P54 FC	2550	3-4,2	-	-	11.5
ROTO ECG 1500 P54 FC	3400	3-4,2	-	-	17.86
ROTO ECG 2000 P54 FC	5100	3-4,2	-	-	25.24
ROTO ECG 2500 P54 FC	5950	3-4,2	-	-	31.38

Dimensions