VENTRA STERLING

PRODUCT FEATURES

VENTRA STERLING is a multi louvred ventilator that provides an economic, non-powered method of ventilation, allowing the removal of large quantities of warm air and / or smoke from a building within a short period of time.

The VENTRA STERLING is a further development on the already proven VENTRA but is a response to the increased requirements for air tightness and thermal insulation in certain building designs and applications worldwide. The VENTRA STERLING is suitable for fresh air supply (facade), air and smoke extraction (facade and roof) and natural lighting.

The vents are manufactured according to ISO 9001 quality control standards. The vents are formed from high quality corrosion resistant aluminium to ensure low maintenance requirements and water tightness.

Opening process available by pneumatic cylinder, electric motor or combined. The ventilator design produces a versatile economic unit suitable for a wide range of applications. Available on large dimensions, up to 2400 x 3826 mm (width x length).

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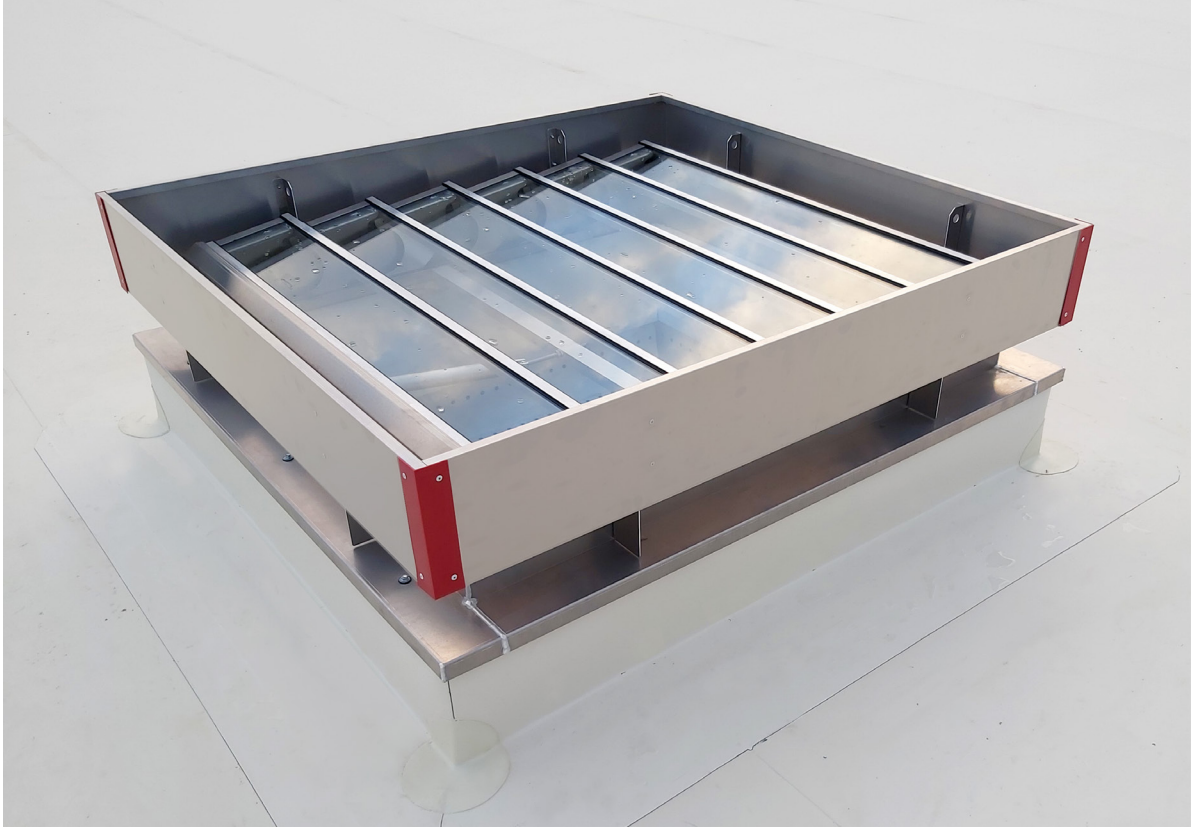
ventra sterling



TYPICAL APLICATIONS

Versatile scope of applications on roofs and facades, with an installation angle range from 0° to 90°. Installations: industrial buildings, warehouses, logistics centres, shopping centres, atriums, schools, stairwells, among others.

MATERIALS

Tempered aluminium, sea water- and corrosion-resistant (EN AW 5754).
Corrosion resistant bearings.
Built-in weather resistant hydrophobic tape.

Note: *aluminum is supplied untreated as standard. Possibility of being supplied with electrostatic painting (in any RAL color).*

DIMENSIONS

Roof opening width: 300 - 2400 mm.
Roof opening length: 746 - 3826 mm (17 louvres, max.).

OPENING ANGLE

Individual adjustable from 0° up to 90°.

CONTROLS NATURAL VENTILATION

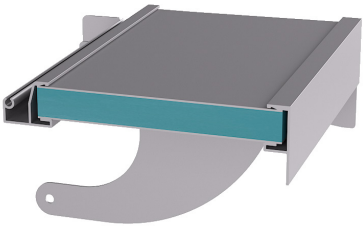
P1: single pipe compressed operation.
P2: double pipe compressed air operation.
M230V: electric motor.
Combination set: P1 + 230 V ou P2 + 230 V.

CONTROLS FIRE VENTILATION

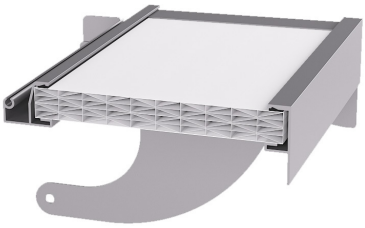
P1F: single pipe compressed air operation with fire function.
P2F: double pipe compressed air operation with fire function.
M24V: electric motor.

LOUVRES

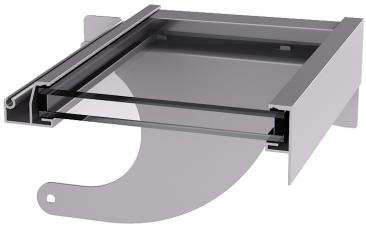
SW	Sandwich panel 25 mm, U-Value=1,65 (W/(m².K))
PC25	Polycarbonate 25 mm / 9-X structure, clear or opal, U-Value=1,4 (W/(m².K))
GLASS	Insulated double glass 25 mm, U-Value= 1,1 (W/(m².K))



SW



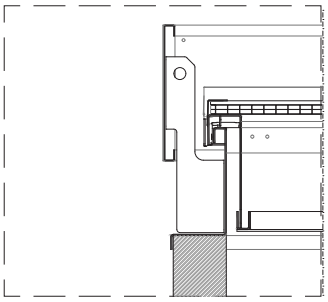
PC25



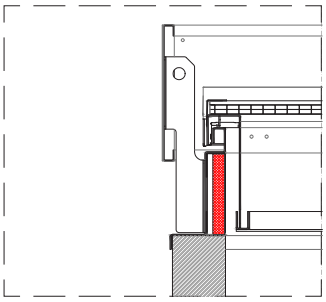
GLASS

BASES

Single aluminium.
Double wall aluminium with insulation.



DETAIL 01
single aluminium

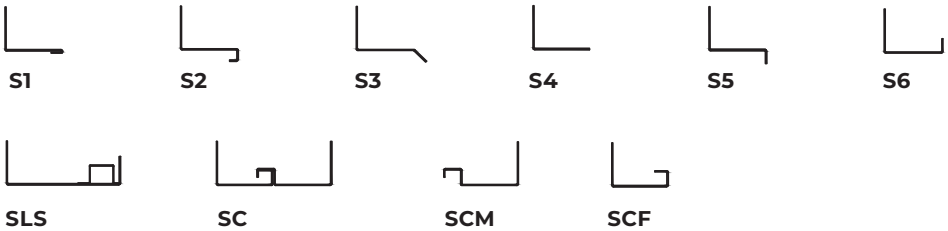


DETAIL 02
double wall aluminium with insulation

FLANGES

S1	Flange for single glass.
S2	Flange for double glass.
S3	Flange for roofs, 45° bended.
S4	Flange for roofs and facades.
S5	Flange for upstand, 90° bended downwards.
S6	Flange 90° bended upwards.
SLS	Flange for skylight connection, for different polycarbonate thicknesses.
SC	Flange for connection with other flange (vents connection). Male or female connection.
SCM	Flange for male connection.
SCF	Flange for female connection.

** Custom flange design and insulated flanges upon request*



S1 **S2** **S3** **S4** **S5** **S6**

SLS **SC** **SCM** **SCF**

DIMENSIONS/LOUVRES TABLE, SW/PC25mm

NUMBER OF LOUVRES	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
WIDTH (mm)	LENGTH (mm)														
300 600 1000 ... 1800 2000 2400	746	966	1186	1406	1626	1846	2066	2286	2506	2726	2946	3166	3386	3606	3826

DIMENSIONS/LOUVRES TABLE, GLASS

NUMBER OF LOUVRES	3	4	5	6	7	8	9	10	11	12	13	14	15
WIDTH (mm)	LENGTH (mm)												
500-1100	746	966	1186	1406	1626	1846	2066	2286	2506	2726	2946	3166	3386
1200-1700										-	-	-	-

Note: *other dimensions upon request.*

WEIGHT

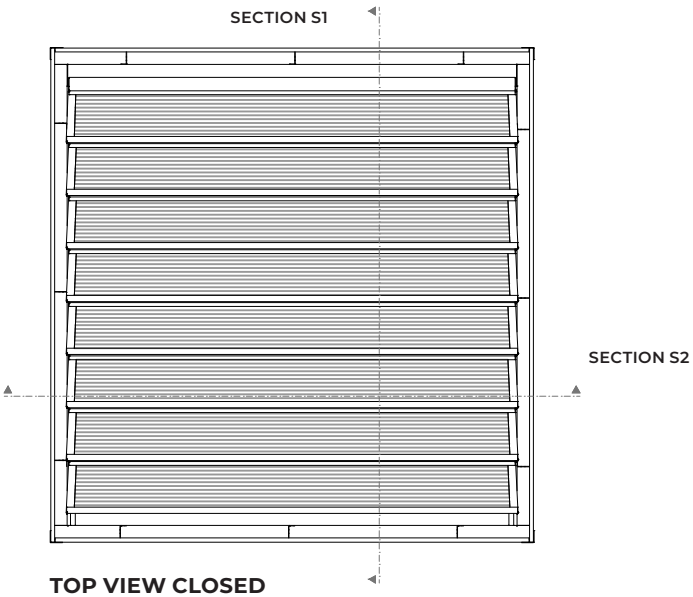
Depends on dimensions and type of infill.

OPTIONS

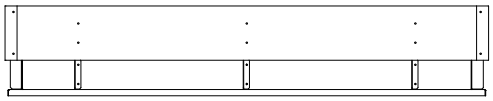
Custom dimensions.
Powder-coated design (any RAL colour).
Bird or insect mesh.
Anti-fall grid 1200 J.

REGULATIONS

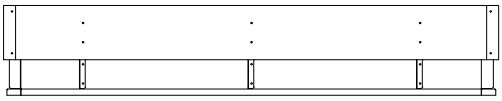
The system has been tested and is certified in accordance with EN 12101-2.



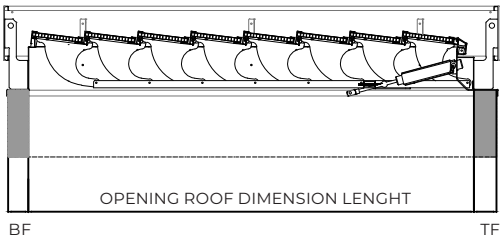
TOP VIEW CLOSED



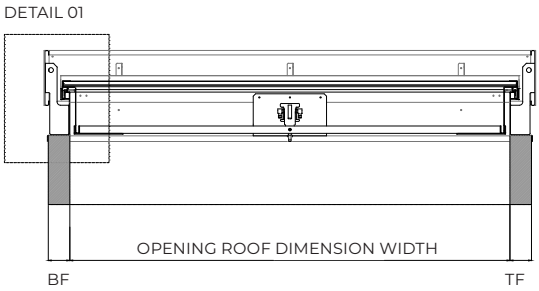
FRONT VIEW CLOSED



SIDE VIEW CLOSED



SECTION S1



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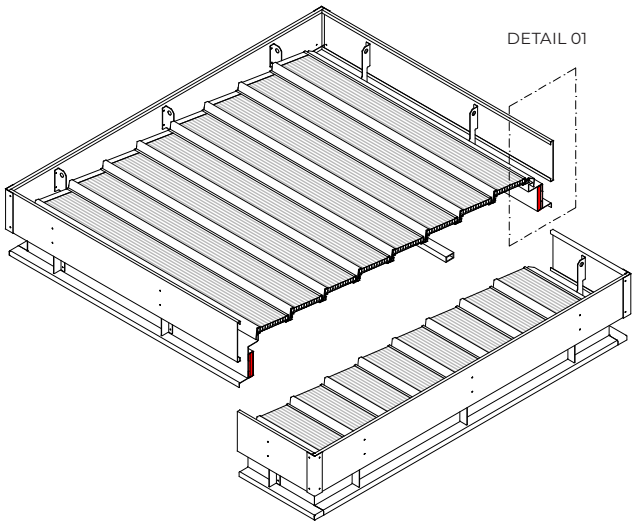

VENTRA INSULATED PERSPECTIVE