

# FCO

## Natural ventilation in the facade

The Colt FCO (Facade Clear Opening) is a natural louvered ventilator, specially designed to be placed in a facade. The FCO is suitable for natural air supply. Furthermore the FCO can be used for additional daylight. The FCO is applied in (semi-)industrial buildings and utility building.

The FCO consists of the following components:

### 1. Base/upstand

The upstand has been manufactured from high-grade corrosion-resistant Colterra aluminium.

It is deliverable in 2 depth-sizes of

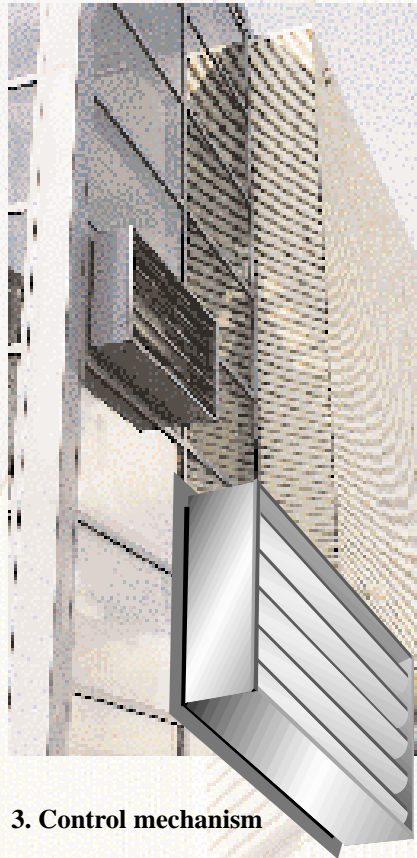
- 220 mm and
- 270 mm, when opened the louvres fall in the upstand

### 2. Louvres

Various louvre versions are possible, depending on the application:

- single-skinned aluminium with or without sealing brushes
- double-skinned aluminium with or without sealing brushes
- standard or special polycarbonate with sealing brushes
- wired glass or special glass with sealing brushes

When the louvres are closed, the unit is watertight because of an integrated drainage system.



### 3. Control mechanism

To operate the louvres there is a selection of several possibilities:

- cable operation
- pneumatic operation with optional manual or pneumatic reset
- electrical operation with 24 V or 220 V motor

The unit can be installed in any facade construction. The mounting flange and the flange dimension can be adjusted to the specific construction. The mounting flange can be placed anywhere seen from the upstand. This makes it possible to place the front of the unit parallel with the facade.



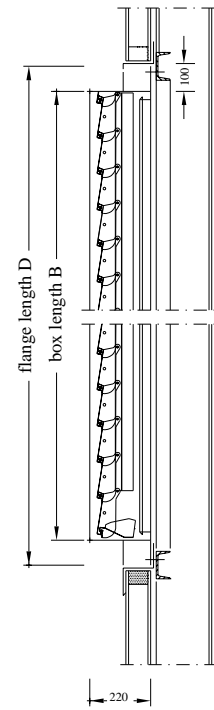
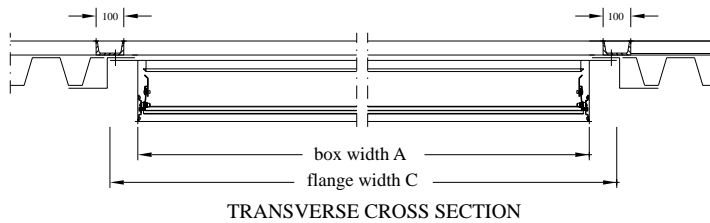
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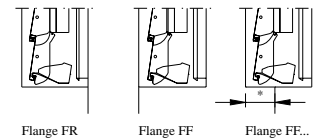


# Technical information:



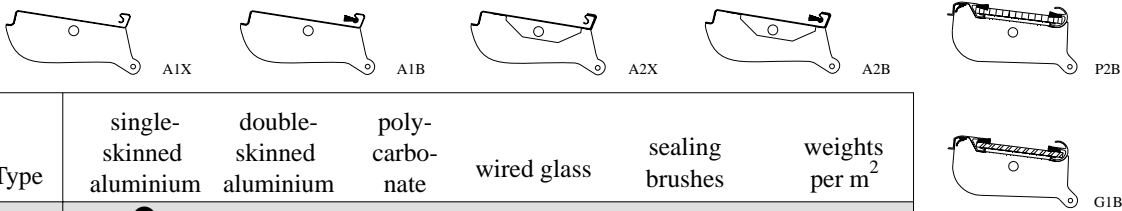
Dimensions of box				Standard flange dimensions			
Box width		Box height		Flange width		Flange height	
Type	A	Type	B	Type	C	Type	D
06..	524	..10	732	06..	824	..10	1032
07..	674	..11	865	07..	974	..11	1165
09..	824	..13	998	09..	1124	..13	1298
10..	974	..14	1131	10..	1274	..14	1431
12..	1124	..15	1264	12..	1424	..15	1564
13..	1274	..17	1397	13..	1574	..17	1697
15..	1424	..18	1530	15..	1724	..18	1830
16..	1574	..19	1663	16..	1874	..19	1963
18..	1724	..21	1796	18..	2024	..21	2096
21..	2024	..22	1929	21..	2324	..22	2229
		..23	2062			..23	2362
		..25	2195			..25	2495
		..26	2328			..26	2628
		..27	2461			..27	2761
		..29	2594			..29	2894
		..30	2727			..30	3027
		..31	2860			..31	3160
		..32	2993			..32	3293
		..34	3126			..34	3426
		..35	3259			..35	3559
		..36	3392			..36	3692
		..38	3525			..38	3825

LONGITUDINAL CROSS SECTION



\*=dimension between 15-140 and 160-200mm

## Louvres



Type	single-skinned aluminium	double-skinned aluminium	poly-carbonate	wired glass	sealing brushes	weights per m <sup>2</sup>
A1X	●					15
A1B	●				●	15
A2X		●				20
A2B		●			●	20
P2B			●		●	28
G1B				●	●	37