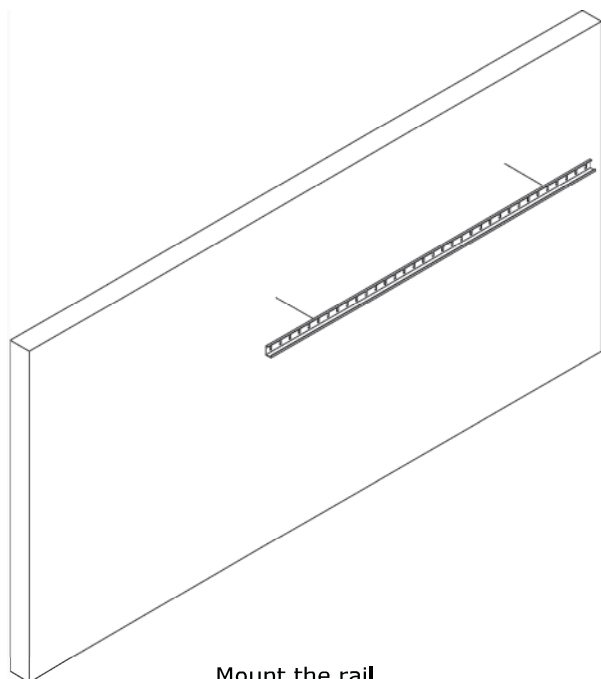
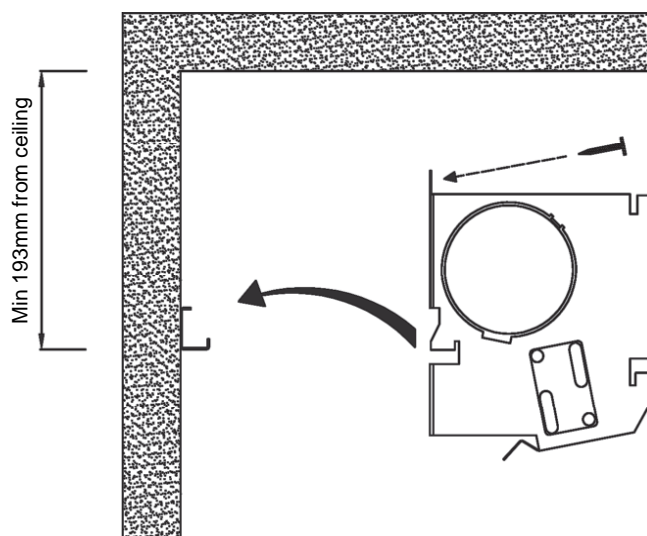


INSTALLATION

OPTIMAL - COOLING BEAM

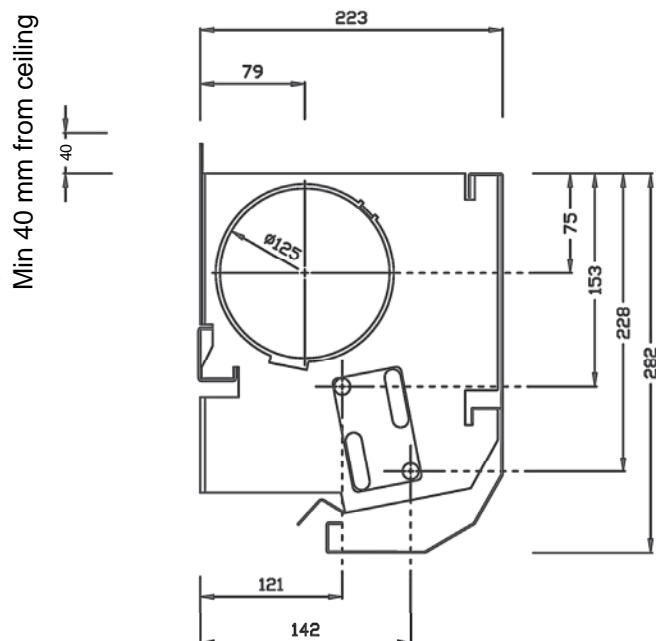


Mount the rail

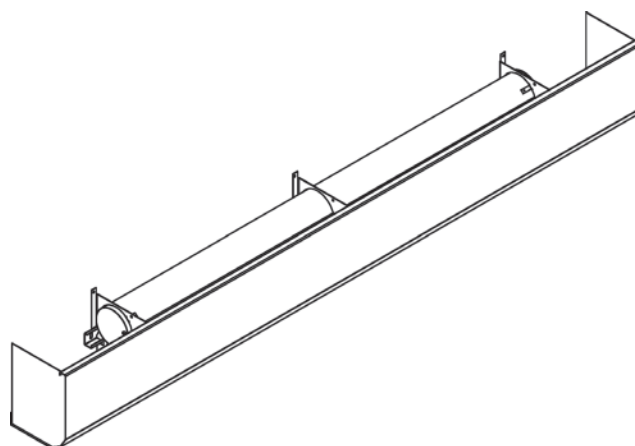


Hang the cooling beam on the rail.
Adjust the cooling beam sideways and secure the fastening in the upper holes with screws.

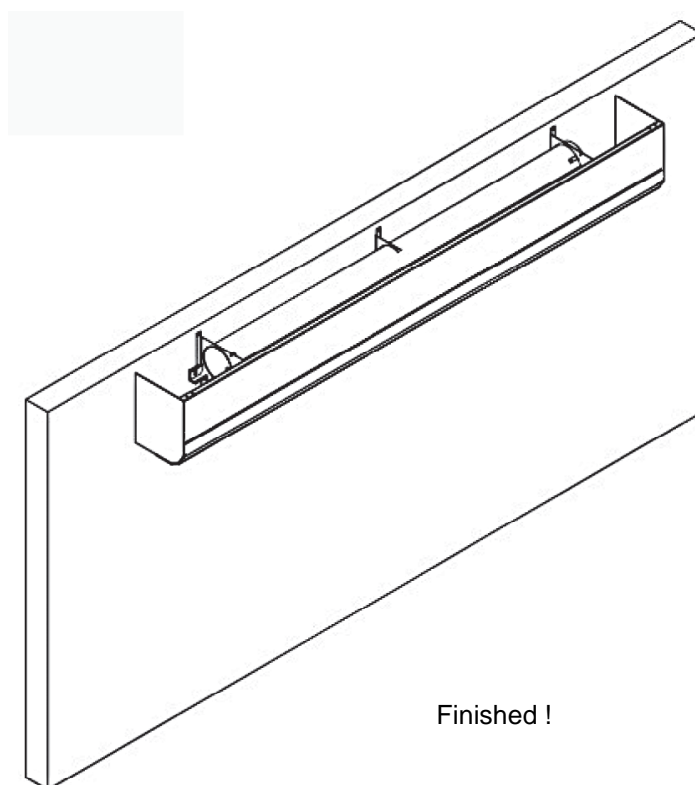
NB!
Min. distance between upper part of cooling beam and ceiling is 40 mm



Connect duct and water pipes

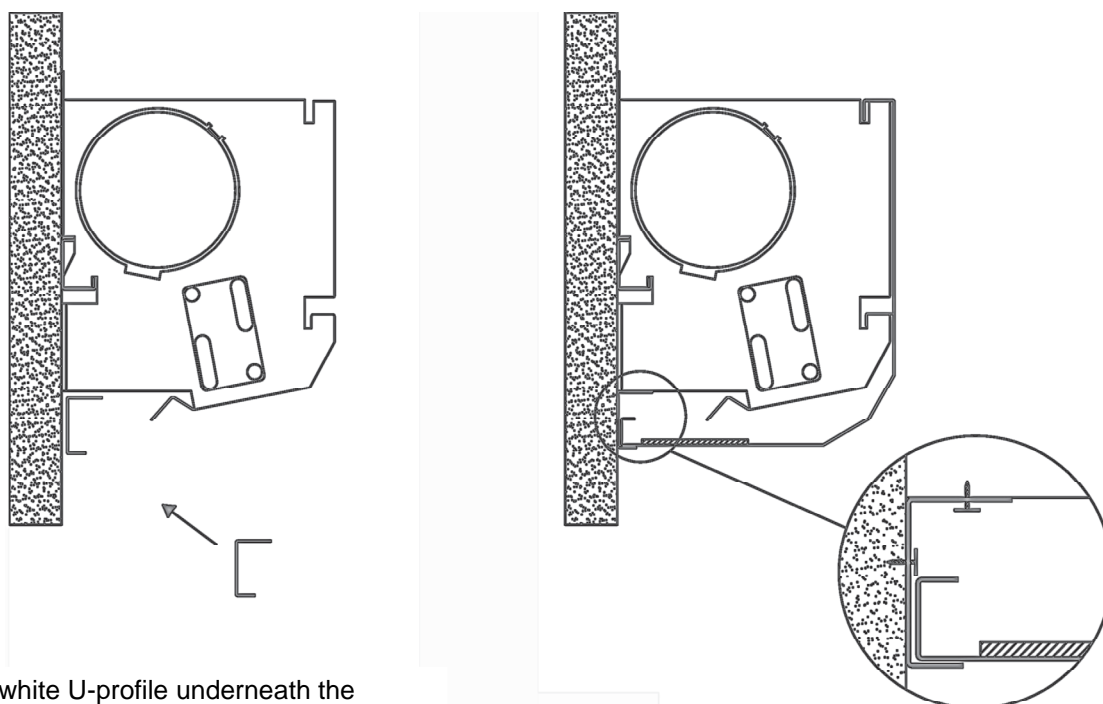


Hang up the front panel



Finished !

Optimal-cooling beam with integrated air deflector

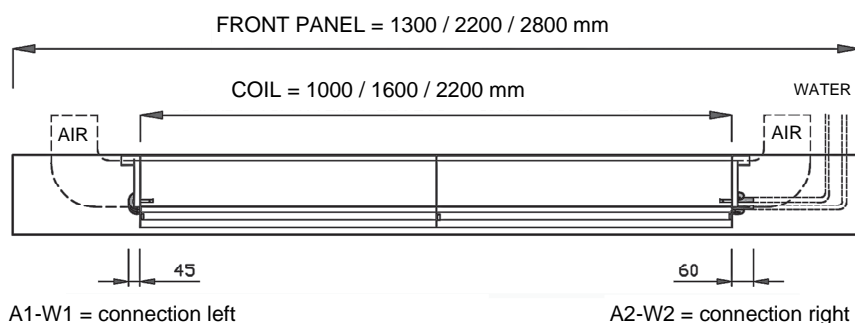


Install the white U-profile underneath the cooling beam.

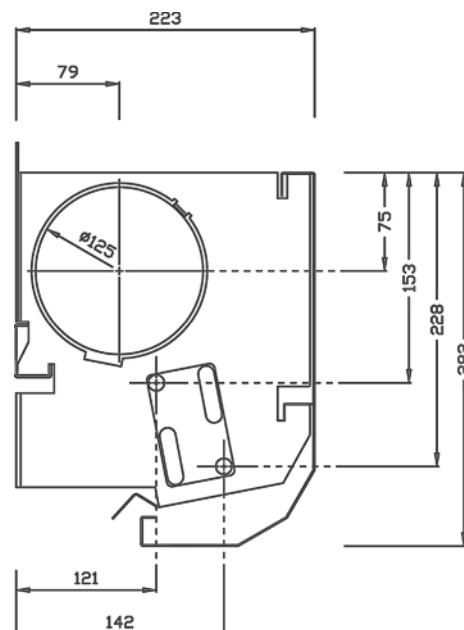
Fasten the rail on the wall or in the lower part of the beam with short screws.

Hang up the front panel with the integrated air deflector. The back part of the front panel should lay on the rail.

Dimensions



Air connection / duct (A) can be changed at construction site.



Product	Nozzles (all open)	Max air-flow with different pressures (Pa), dm ³ /s					
		60	70	80	90	100	120
OPTIMAL-1000/1300	74	17	19	20	21	22	24
OPTIMAL-1600/2200	122	28	31	33	35	37	40
OPTIMAL-2200/2800	160	37	40	43	46	48	53

Operation and maintenance

Description

Optimal-cooling beam is ment to be installed visible on the corridor wall. The air is blown downwards along the wall and out over the floor towards the heat sources.

Maintenance

Remove the front panel and clean the device with an vacuum cleaner and brush. Wipe the front panel with an wet rag. If necesseary use a mild cleaner. The interval of cleaning is determined by the environment (amount of dust) the device is installed in (paper, curtains, carpets etc.).

Balancing

The Optimal cooling beams are delivered adjusted to an desired air-flow with an certain pressure. The pressure, airflow and open nozzles are marked on the sticker on the side of the cooling-beam.

When making control measurements in the building masure the pressure from the nozzle (Pa).

$$q = A * k * \sqrt{P}$$

q = air flow (l/s)

A = open nozzles

k = nozzle k-factor(0,03)

P = pressure (Pa), masured from the nozzle



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