

Technical solutions - Defrost Damper (2nd generation)

PROBLEM: Freezing of evaporator

The operation of the evaporator requires frequent defrosting, and that comes with higher operating costs.



SOLUTION: Defrost Damper

The installation of this defrost damper will reduce the time required for defrosting, hence increasing the efficiency of the operation of evaporators and reducing operating costs.



Fan in operation
DeDa damper is active



Cooler off
Gravity causes the fabric to cover the fan, preventing the movement of air through the cooler and speeding up its defrosting

Airflow reach

10 % greater range compared to the previous generation of DeDa

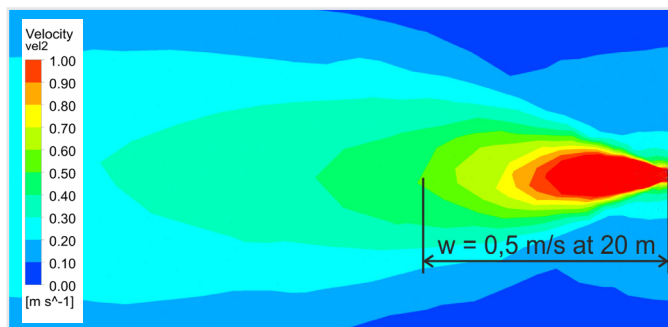


Fig. 1 - 1st generation

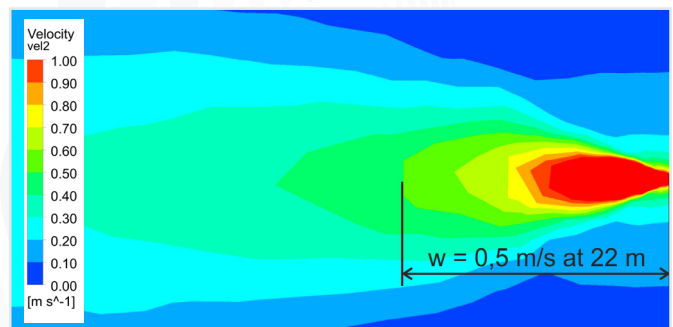
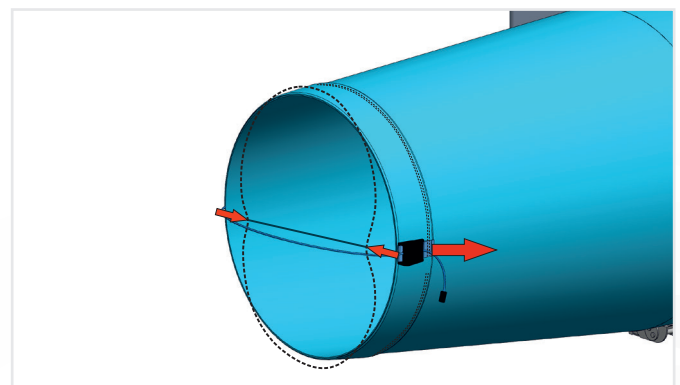
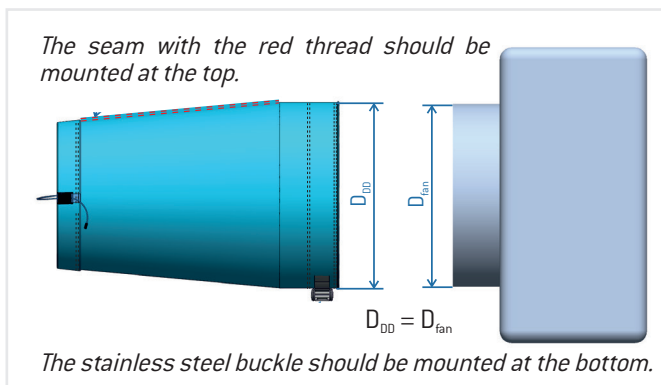


Fig. 2 – 2nd generation




Basic characteristics

- Truncated cone shape:
 - ✓ Low pressure loss
 - ✓ Up to 20% higher range of the current compared to competing products
- Smooth inner walls – seams outside
- Adjustable non-sorbent cord for preventing fabric vibrations
- Possibility of custom production for specific coolers (without adjustable cord)
- Patent Pending
- 9 basic colours and Prihoda Art available
- Not any additional airflow equalizer



To avoid vibration, open the plastic buckle and tighten the cord until the vibration stops – This must be done with the fan running.

Technical specifications

Material:	100 % Polyester
Weight:	70 g/m ²
Width:	0,09 mm
Structure:	plain
Maximum tensile strength, warp:	450 N [EN ISO 13934-1]
Maximum tensile strength, weft:	420 N [EN ISO 13934-1]
Permeability:	25 m ³ /h/m ² (by 120 Pa)
Fire resistance EN 13501-1:2003:	B-s1, d0
Heat resistance:	-50 to +110 °C
Maintenance:	washing 
Colour:	9 colours, Prihoda ART

RAL 9016	PANTONE 135 (RAL 1017)	PANTONE 420 (RAL 7035)	PANTONE 424 (RAL 7037)	PANTONE 341 (RAL 6024)	PANTONE 187 (RAL 3001)	PANTONE 2915 (RAL 5012)	PANTONE 7462 (RAL 5005)	PANTONE 419 (RAL 9017)
								
WH	YE	LG	DG	GR	RE	LB	BL	BC