

CRH Series Pressure Relief Valve



Supply	Power
220 V	10 W

NUMBER OF CRH-500 VALVES TO USE PER ROOM Max. Pressure 300Pa Temperature Change: 1°C in 3min		
ROOM VOLUME	ROOM TEMPERATURE	
	-30°C	-15°C
25m ³	1	1
50m ³	1	1
75m ³	1	1
100m ³	2	1
125m ³	2	2
150m ³	2	2
200m ³	3	2
250m ³	4	3
300m ³	4	3
350m ³	5	4
400m ³	6	4
500m ³	7	5

INTERNAL & EXTERNAL PRESSURES

The CRH-500 Pressure Relief Valve is used to balance internal and external pressure variation for Cool Rooms & Freezers between +40°C and -42°C. The valve design allows venting in either direction via spring loaded inlet and outlet valves.

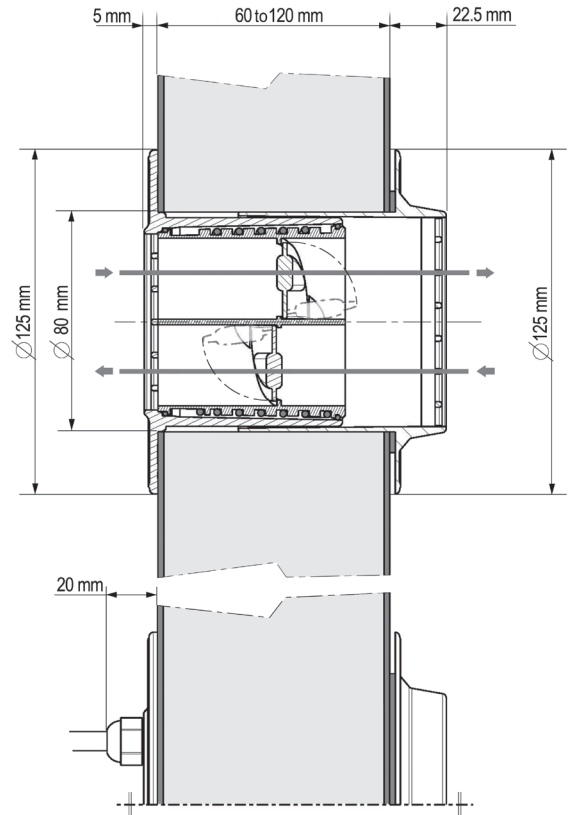
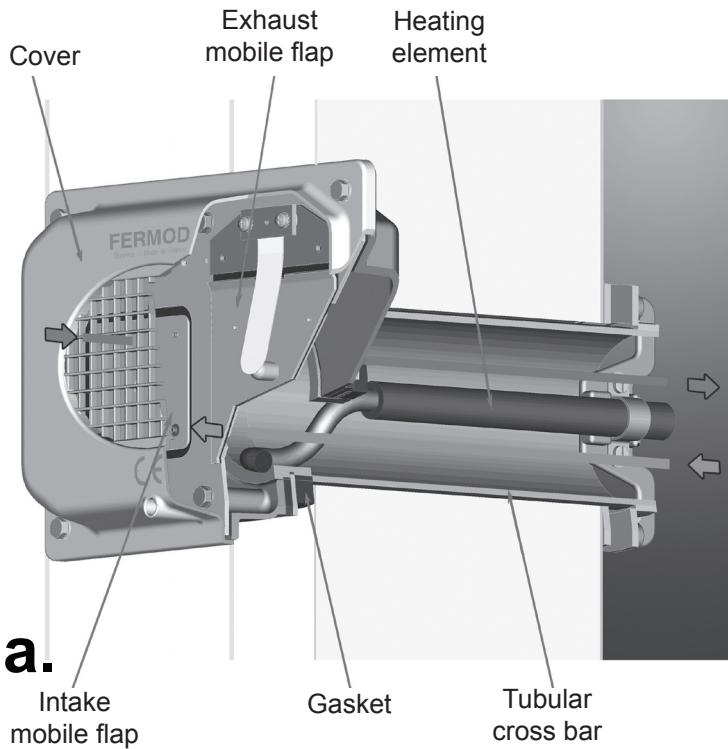
A single CRH-500 Pressure Relief Valve is sufficient to balance internal and external pressure variations for rooms up to 100m³ if temperature variance is not high. Additional CRH-500 Pressure Relief Valves can be installed according to Cool Room / Freezer Room Volume/m³ chart.

This Pressure Relief Valve is suitable for panel thicknesses between 70-150mm or can be extended using the CRH-500A extension sleeve for panel thicknesses between 150-250mm. Can be fitted to the wall or ceiling of the room. Cut a 100mm diameter hole in the panel in order to install.

The CRH-500 Pressure Relief Valve is fitted with a 10w/220v heater cable to prevent icing in low temperatures.

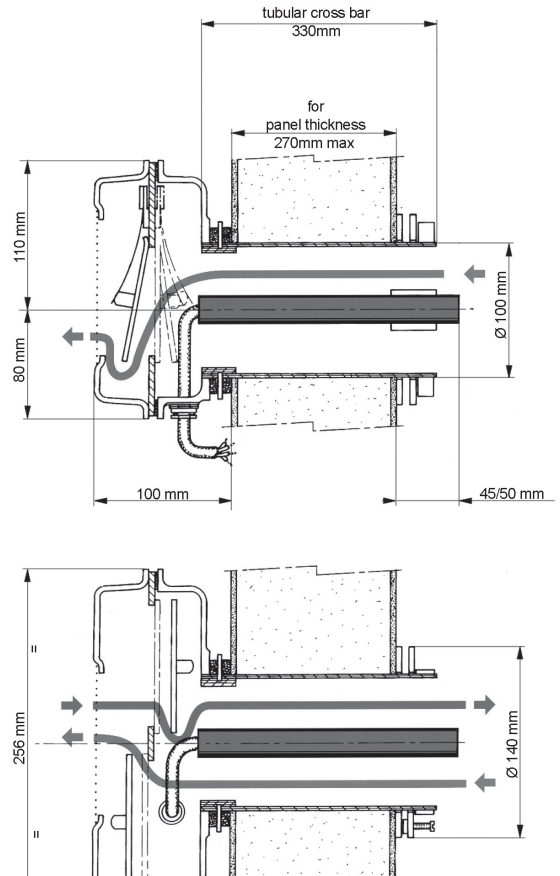
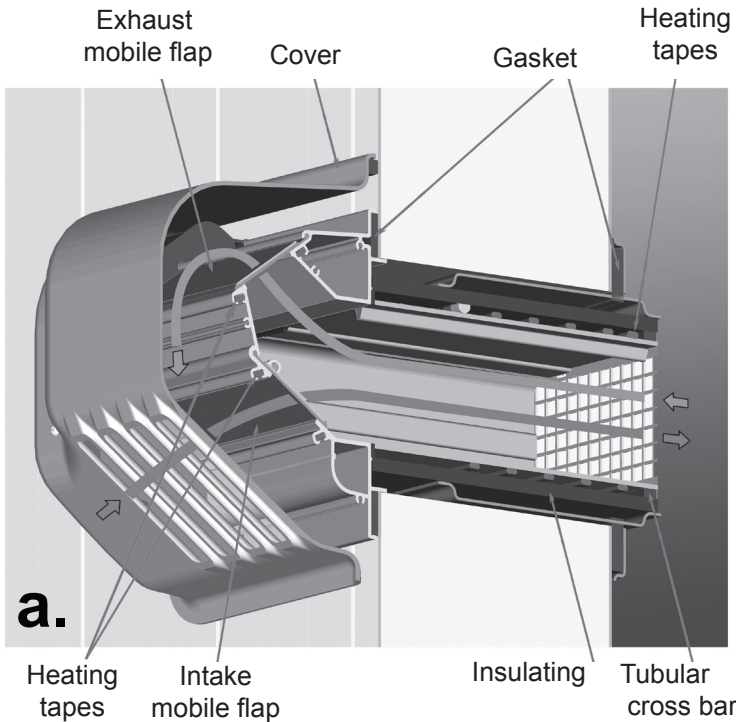
Please ensure that the front and rear grills of the CRH-500 Pressure Relief Valve are not obstructed or covered at any time.

ITEM	STOCK CODE	DESCRIPTION	MATERIAL	MOUNTING HOLE SIZE	TEMP. RANGE
a.	CRH-500	Pressure Relief Valve.	White Polypropylene	100mm	+40°C to -42°C
	CRH-500A	Extension sleeve 150 to 250mm panel.	PVC	-	-



ITEM	STOCK CODE	DESCRIPTION
a.	F2230	<p>The F2230 is a heated, mechanically operated valve with two water tight mobile flaps, one for intake the other for exhaust. It is adjusted to operate over a given pressure of about 10mm water column. It consists in two elements.</p> <p>A - The Mechanical Element. This is outside the room and is composed of:</p> <ul style="list-style-type: none"> • 1 x main case made of reinforced composite • 1 x cover made of composite • 1 x anodised dural plate with gasket • 2 x mobile flaps consisting of plates with a neoprene diaphragm placed to ensure tightness • 6 x stainless steel springs hold the 2 flaps in a closed position • 1 x glass polyester tube with gasket goes through the wall and is attached to the case by a tight fixture. <p>B - The Heating Element. This is fixed inside the tube with a tightening band. It prevents freezing and consists of:</p> <ul style="list-style-type: none"> • 1 x heating element NF, IP55, 40 watt/220 Volt with earth connection. • 1 x thermal contact controls the heating element temperature.

NUMBER OF F2230 VALVES TO USE PER ROOM Max. Pressure 300Pa Temperature Change: 1°C in 10min		
ROOM VOLUME	ROOM TEMP.	
	-30°C	-15°C
200m ³	1	1
250m ³	1	1
300m ³	1	1
400m ³	1	1
500m ³	1	1
1000m ³	1	1
2000m ³	2	1
3000m ³	2	2
4000m ³	3	3
5000m ³	3	3
6000m ³	4	3
7000m ³	4	4
8000m ³	5	4
9000m ³	5	5
10000m ³	6	5



ITEM	STOCK CODE	DESCRIPTION
a.	F2260	<p>The F2260 is a heated, mechanically operated valve with two water tight mobile flaps allowing airflow in either direction. It consists in two elements.</p> <p>A - The Mechanical Element. This is outside the room and is composed of:</p> <ul style="list-style-type: none"> • 1 x main case made of reinforced composite • 1 x cover made of composite • 1 x anodised dural plate with gasket • 2 x mobile flaps consisting of plates with a neoprene diaphragm placed to ensure tightness • 6 x stainless steel springs hold the 2 flaps in a closed position • 1 x glass polyester tube with gasket goes through the wall and is attached to the case by a tight fixture. <p>B - The Heating Element. This is fixed inside the tube with a tightening band. It prevents freezing and consists of:</p> <ul style="list-style-type: none"> • 1 x heating element NF, IP55, 40 watt/220 Volt with earth connection. • 1 x thermal contact controls the heating element temperature.

NUMBER OF F2260 VALVES TO USE PER ROOM		
Max. Pressure 200Pa Temperature Change: 1°C in 10min		
ROOM VOLUME	ROOM TEMP.	
	-30°C	-15°C
5000m ³	1	1
6000m ³	2	1
7000m ³	2	2
8000m ³	2	2
9000m ³	2	2
10000m ³	2	2
12500m ³	3	3
15000m ³	3	3
20000m ³	4	4
25000m ³	5	5
30000m ³	6	6
40000m ³	8	8
50000m ³	10	9