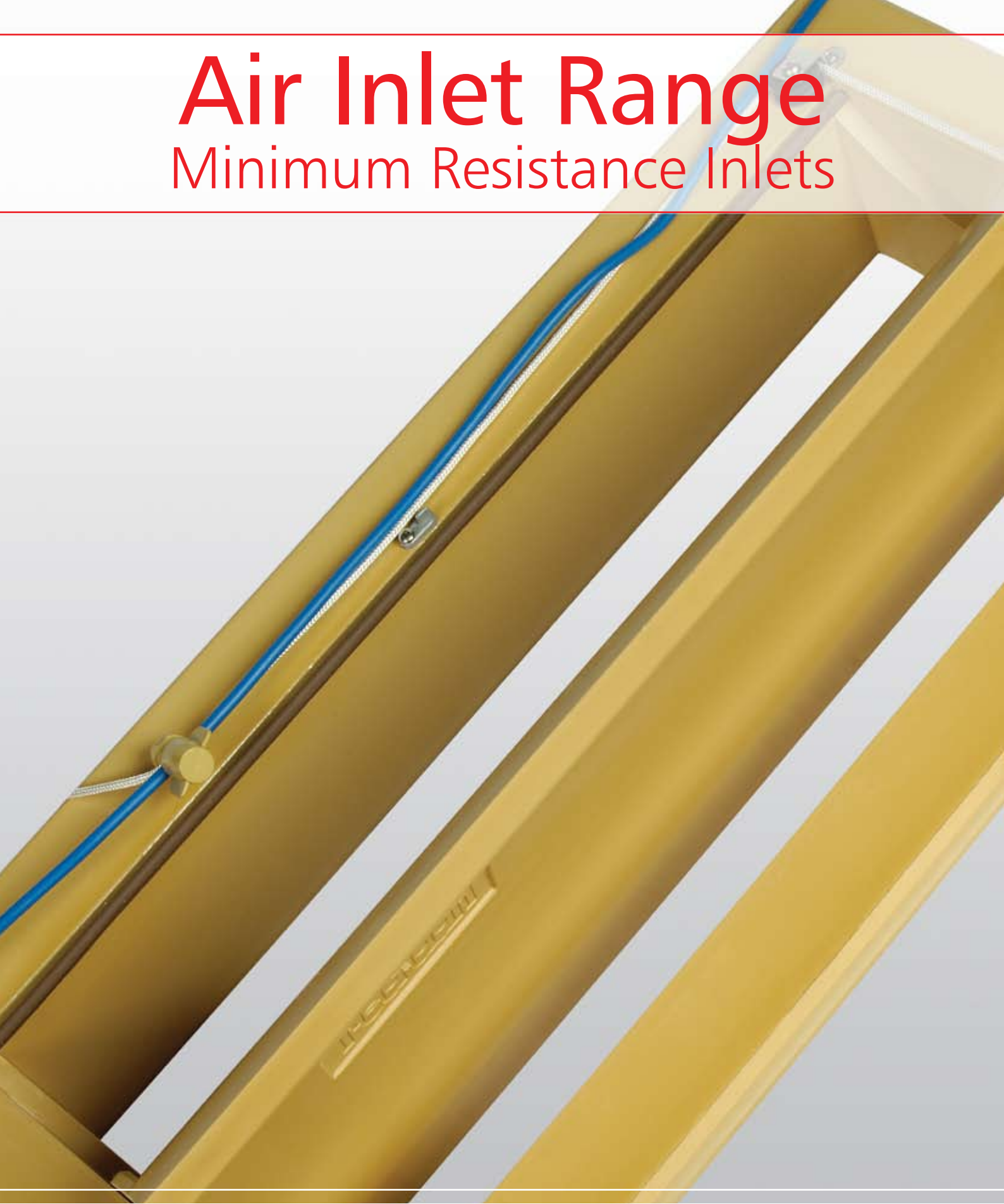


# Air Inlet Range

Minimum Resistance Inlets



hydor

# High Flow Air Inlet

## Minimum Resistance Inlets



### Features & Benefits

The Hydor High Flow Air Inlets control the direction, path and distribution of fresh air into a building. Inlets are perhaps one of the most important parts of your ventilation system. By opening or closing the inlet, you regulate the thickness of the air jet, the air velocity, and (therefore) the distance the air flows into the building.

Hydor Inlet systems allow more air according to seasonal changes, by adjusting the inlets to maintain the air flow path and velocity. Inlets can be adjusted manually as required by temperature changes.

During normal conditions the aerofoil type flap guides cold air along the ceiling line to fully temper with the internal air. During hotter periods the flap deflects air downward to create airflow and turbulence at livestock level, therefore relieving animal stress and reducing potential mortality.

Accurate control of the flap is achieved by connecting a pull cord to a winch operated cable system, which in turn can be linked to either sequential, computerised or differential pressure control systems.

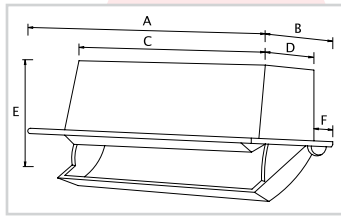


- A very high degree of insulation.
- A strong structure with a low weight.
- Easy to handle (adjusting, gluing etc) with quick and easy mounting.
- Inlets can be supplied for either wall or ceiling mounted applications.

- Easy to clean and environmentally desirable.
- Highly resistant to chemicals, aggressive gases and dry rot.
- Inlets constructed from durable polyurethane foam.
- Simple to install either in a new system, or as a retro-fit to upgrade an existing system design.

# Dimensional Data

## 120-P & 84-P

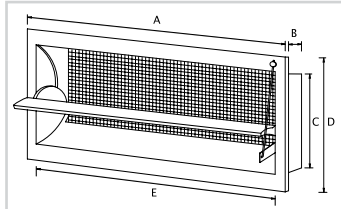


120-P designed for installation in the ceiling. Smaller version available, the 84-P.

Model	Airflow m <sup>3</sup> /hr @ Static Pressure Pa		
	10	20	40
120-P	1100	1530	2200
84-P	760	1070	1520

Model	A	B	C	D	E	F
120-P	710	400	650	240	270	50
84-P	600	400	540	240	270	50

## 145-VFG

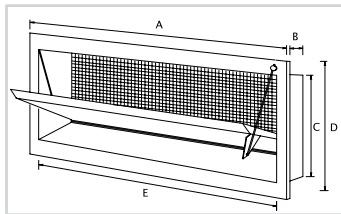


145-VFG the standard inlet for poultry units, up to 35% open, air is only let in over top lip, above 35% open air is also let in below the flap.

Model	Airflow m <sup>3</sup> /hr @ Static Pressure Pa		
	10	20	40
145-VFG	1450	2050	2900

Model	A	B	C	D	E
145-VFG	730	95	270	350	650

## 2500-VFR

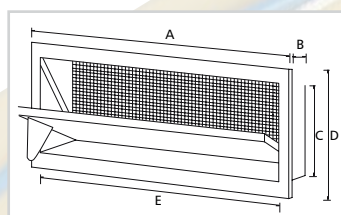


2500-VFR is a simple model without seals or return springs but a large capacity. Very good for free-range layer units.

Model	Airflow m <sup>3</sup> /hr @ Static Pressure Pa		
	10	20	40
2500-VFR	2500	3500	5000

Model	A	B	C	D	E
2500-VFR	923	120	305	385	842

## 2800-VFRM

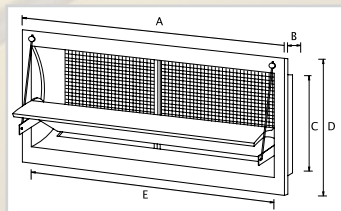


2800-VFRM motorised air inlet valve eliminates the need for pulleys and cables. The inlets integrated actuator can be controlled by a wide range of controllers or climate computers.

Model	Airflow m <sup>3</sup> /hr @ Static Pressure Pa		
	10	20	40
2800-VFRM	2800	4000	5600

Model	A	B	C	D	E
135-VFR	960	160	360	430	880

## 3000-VFG

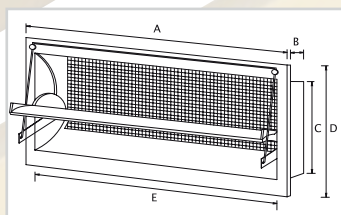


3000-VFG a very large capacity version of the standard 145-VFG.

Model	Airflow m <sup>3</sup> /hr @ Static Pressure Pa		
	10	20	40
3000-VFG	2900	4100	5800

Model	A	B	C	D	E
3000-VFG	937	118	373	453	857

## 4000-VFG

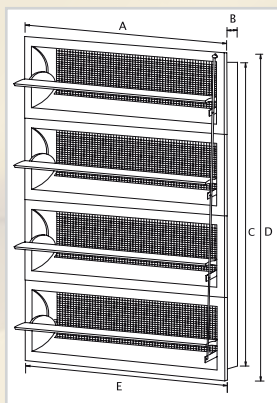


4000-VFG Flange model with flange on the front. Divided air directions; up to approx. 25% air enters only from the top; after that, also from the bottom. Ideal for large ventilation capacities.

Model	Airflow m <sup>3</sup> /hr @ Static Pressure Pa		
	10	20	40
4000-VFG	3900	5500	7800

Model	A	B	C	D	E
4000-VFG	780	145	550	630	700

## 6000-VFG



Tunnel Inlet Unit.

Model	Airflow m <sup>3</sup> /hr @ Static Pressure Pa			Inbuild Dimensions (mm)
	10	20	40	
6000-VFG-2	11600	17500	21200	1500 x 800
600-VFG-3	17400	26250	34800	1500 x 1200
600-VFG-4	23200	35000	46400	1500 x 1600

Model	A	B	C	D	E
6000-VFG-4	1610	135	1600	1710	1500



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