

# Operating and Maintenance

## **PRD** Pressure Regulating Damper



## PRD Pressure Regulating Dampers

### Installation and operation

- 1- Ensure that the unit is correctly orientated for the airflow direction.
- 2- Fixing in place using mechanical fixings.
- 3- The unit should be factory set at the correct lift open pressure, but may be adjusted in service by changing the blade weights.

### Pressure setting details

		Control Pressure (Pa)									
Nominal Width		15	25	30	35	40	45	50	55	65	75
PRD (S&E)	PRD (D)	Number of weights PER blade									
500	575	0	1/2	3/4	1	1-1/4	1-1/2	1-3/4	2	2-1/2	3
750	825	0	3/4	1 + w	1-1/2	1-3/4+w	2-1/4	2-1/2+w	3	3-3/4	4
1000	1075	0	1	1-1/2	2	2-1/2	3	3-1/2	4	5	6

### Cleaning and maintenance

No routine maintenance is required on PRD units and there are no customer replaceable parts.

If cleaning is required this may be done with the use of warm water with a mild soap and a cloth, or to remove significant amounts of lint etc from the units a vacuum cleaner with a soft brush head may be used.

Care must be taken not to damage any paint finishes if undertaking cleaning and abrasive cleaning substances must be avoided.

## Waterloo Product Range

### GRILLES

A complete range of products suitable for all wall, ceiling and floor applications. Most grilles are made from aluminium and have a range of fixed or moveable blades designed to give performance whilst remaining aesthetically pleasing to the eye. Grilles are made to customer specified sizes and colours (PPM/G); standard colour PPM9010 (20% Gloss White). The range is complemented by the Aircell range of polymer Grilles.



### DIFFUSERS

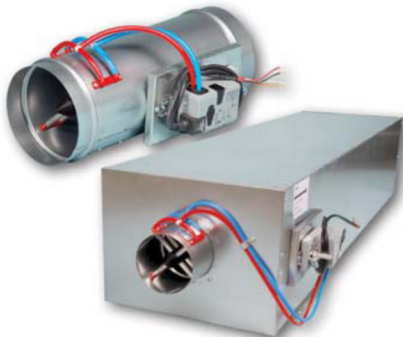
Designed to be installed in various ceiling systems, we have a complete range to suit both performance and aesthetical requirements. Most diffusers are made from aluminium and can be ordered with or without plenum boxes for easy duct work. Diffusers can be ordered in customer specified colours (PPM/G); standard colour is PPM 9010 (20% Gloss White). This range is complemented by the Aircell range of polymer Diffusers.



### ACTIVE AND PASSIVE CHILLED BEAMS

The finest quality range of high output active beams, used for ventilated heating and cooling applications. These units have 4 pipe coils to allow heating and cooling circuits to run simultaneously, giving constant and responsive control. The design allows a large optimum capacity and also allows the customer to specify the nozzle type and pitch for individual circumstances.

Active beams are made from steel to a large range of customer specified sizes and as such are suitable for various different ceiling systems. Standard finish is PPM 9010, however other (PPM/G) colours are available on request.



### AIR VOLUME CONTROL DAMPERS

Pressure independent Variable Air Volume and Constant Air Volume dampers made from zintec plate. Most volume dampers are regulated with an electronic motor and sensors and are calibrated to customer specifications before delivery.

The Constant Air Volume damper requires no power source as it is controlled via a mechanical device and calibrated before delivery. All volume dampers can be ordered with a single or double (insulation) skin.



### EXTERNAL LOUVRES

A quality range of products for external wall applications. Made from aluminium, with birdscreen or insect screen options. All louvres are made to customer specified sizes and (PPM/G) colours; standard colour is PPM 9006.



### DISPLACEMENT

A full range of recessed, semi-recessed, floor, wall and corner units providing high ventilation efficiency and excellent comfort. The very low pressure involved also offer quiet installations. Displacement units are available as wall or floor mounted, or indeed integrated within the architectural design.



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