

Air Flow Control

PRD61 Pressure Relief Damper

At Gerhman we are driven by a strong desire to continuously generate improvements. We do that by developing products and systems that are easy to use and energy efficient, together with industry-leading knowledge, support, logistics and efficient availability.



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Air Flow Control

PRD61

Pressure Relief Damper



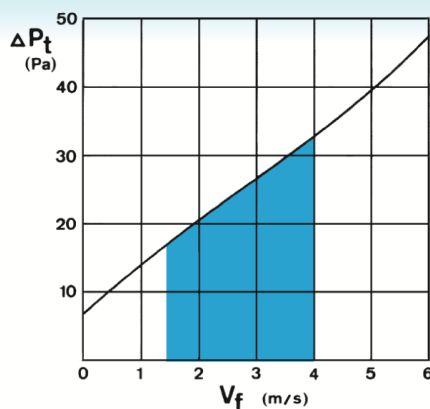
Pressure relief damper is used to relieve built-up pressure in HVAC system to prevent damage to other components, or to allow pressure for the area to be regulated to control air movement or Omitting the two closing and counter acting weights system, PRD61 series utilizes singular adjustable closing weight to perform the pressure relieving function.

Application

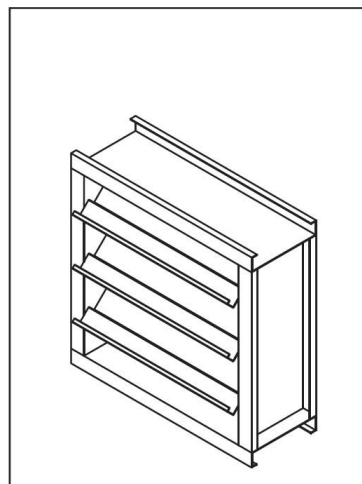
Pressure relief dampers can be mounted either horizontally or vertically. However, care should be taken to mount the damper, by orienting the blades in the direction of the desired airflow. Dampers can operate on counter weights or motors.

Finish

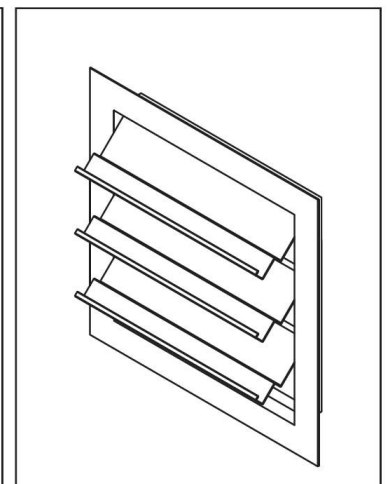
Standard galvanized plate finish (optional RAL paint finish)



Pressure loss



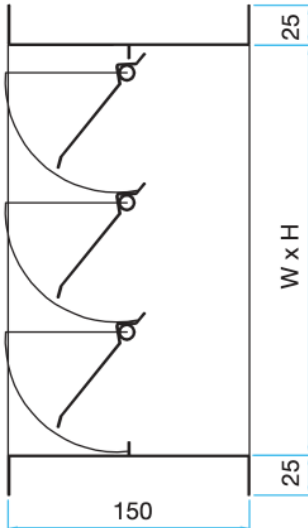
Duct type PRD61



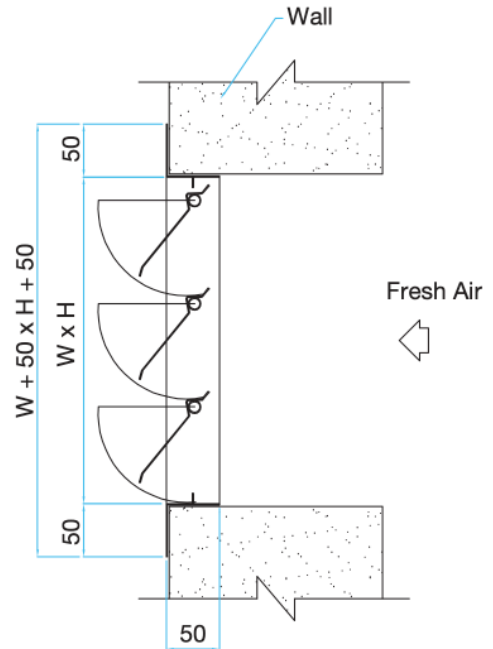
Wall type PRD61

Dimensions

PRD61



Duct Mounted

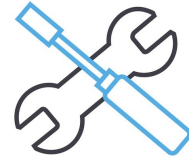


Wall Mounted

Standard dimensions

WxH	400	600	800	1000	1200	1400	1600	1800	2000
300									
400									
600									
800									
1000									
1200									
1400									
1600									

Installation



PRD61

- Air supply: the damper is coupled to the duct with the fins in the same direction as the air flow.
- Air suction: the damper is coupled to the duct with the fins toward the fan.
- The damper is installed in vertical or horizontal position, such that the shaft is parallel to the floor.
- The unit is fitted with one or two counterweights, depending on damper size.
- The counterweights can be placed in multiple positions within the 360° of shaft rotation, in order to control the air pressure or volume as desired:
- The counterweight orientation can always be varied according to the resistance needed. The counterweights are placed perpendicular to the damper shafts and are composed of a threaded rod and a specific number of interchangeable weights for balancing. This assembly comes with Allen set screws to set the correct position; as a maintenance measure, it is sometimes recommended that these elements be inspected to make sure they are working properly. The inspections should be performed while the equipment is not running and the set screws should be tightened if necessary.



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