

Puma – Fire Rated Pressure Relief Damper



PRD 300 = 0.09 m² Free Area
PRD 450 = 0.20 m² Free Area
PRD 600 = 0.36 m² Free Area

**For use with High
Pressure Inert Gaseous
Extinguishant Systems
such as
INERGEN, ARGONITE,
CO² or NITROGEN
based Products**

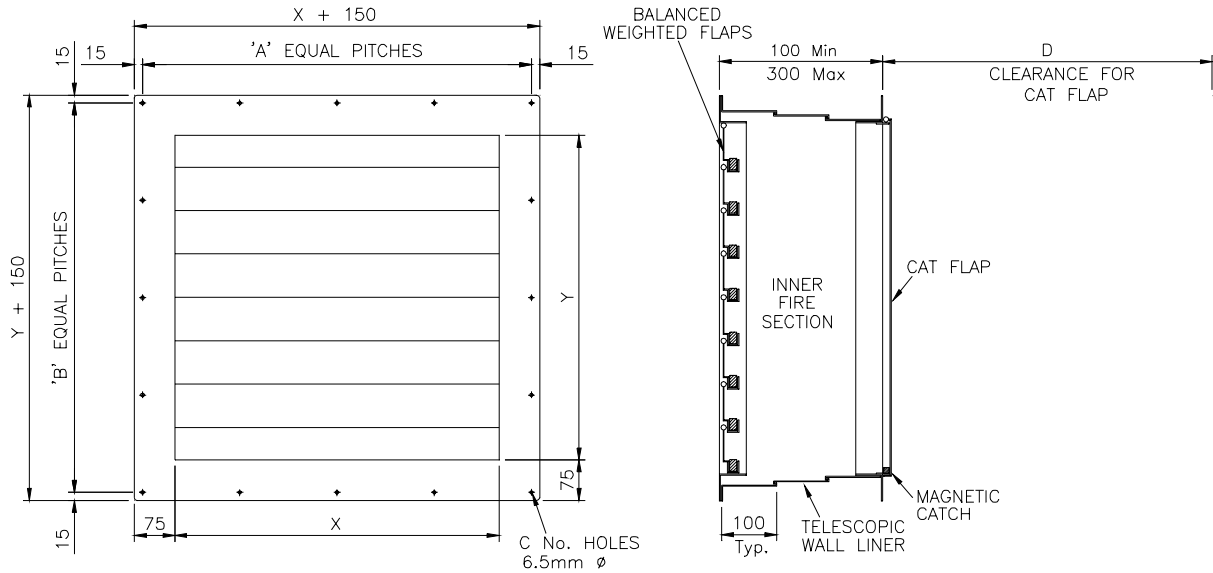
- **Fire Tested to BS 476 Part 8/20***
- **Stainless Steel Shafts**
- **Oilite Bearings**
- **Balanced Weighted Flaps**
- **Galvanised Steel Construction**
- **Full Mechanical Operation**
- **Telescopic Sleeve (3 Parts)**
- **Powdercoat Paint Finish**
- **Weatherproof ‘Cat’ Flap**
- **3 Year Guarantee**
- **THREE VENT SIZES**

Over Pressure Venting (O.P.V.) must be given serious consideration when installing a High Volume Gaseous Fire Extinguishing System. When a Nitrogen based product is released into a protected space the gas expands rapidly forming a ‘Pulse’ Pressure significantly high enough to possibly damage the structure of the room or building. The PUMA Pressure Relief Damper has been designed and tested to maintain the Fire Integrity of the room then operates efficiently and effectively to relieve the build up of Pressure in a Fire Condition.

*** 2 Hour Fire Rating**

CE Approved

Dimensional Data



DIMENSION	P.R.D. 300	P.R.D. 450	P.R.D. 600	P.R.D. SPECIAL
A	2	3	4	
B	2	3	4	
C	8	12	16	
D	390	540	690	
X	300	450	600	
Y	300	450	600	
Z	435	585	735	
HOLE CUTOUT SIZE	410Wx410H	560Wx560H	710Wx710H	

Operation

PRD selection is achieved by dividing the Free Vent Area in m^2 (obtained from Gas supply source) by the largest divisible **PRD** Free Area and rounding up to the nearest whole figure.

The Damper commences opening at a pressure of 140 Pa and fully opens at 260 Pa. The 'Cat Flap' will open at a minimum pressure (approximately 15 Pa) but will hold against wind turbulence & stack effect and is fitted with weather sealing.

Installation & Maintenance

The Wall Sleeve is telescopic in three sections, use only the required number of sections to suit the wall thickness.

Use Fire Resistant Mastic to seal joints where appropriate use rivets or self tapping screws Secure the INNER FIRE SECTION to the wall using suitable fixings and fire resistant mastic. Secure the OUTER 'CAT FLAP' SECTION similarly; ENSURE THAT THE OPERATION OF 'CAT FLAP' IS NOT OBSTRUCTED, as stated on the outer Warning Label. The Pressure Relief Damper requires NO SERVICE & MAINTENANCE and is guaranteed from defective workmanship & materials for Three years from date of Purchase subject to Certain Conditions available on request.