

# Pressure Relief Dampers

Operating theatres need to be protected from the ingress of airborne contamination to maintain the air in a clean and sterile condition.

Suitably sized air pressure relief damper strategically placed, enable differential room pressures to be maintained and ensure that when doors are opened between clean and dirty areas there is sufficient air flow through the open door to prevent cross contamination.



Glass Wall Panel with Graphical Schemes

## Description

WTK is using the counter-weight balancing system provide a number of features and benefits to consultants, contractors and users unmatched by any other design.

It could be adjusted to suit minor variation in terms of pressure differential or air flow in the theatre.



Galvanized Steel Panel

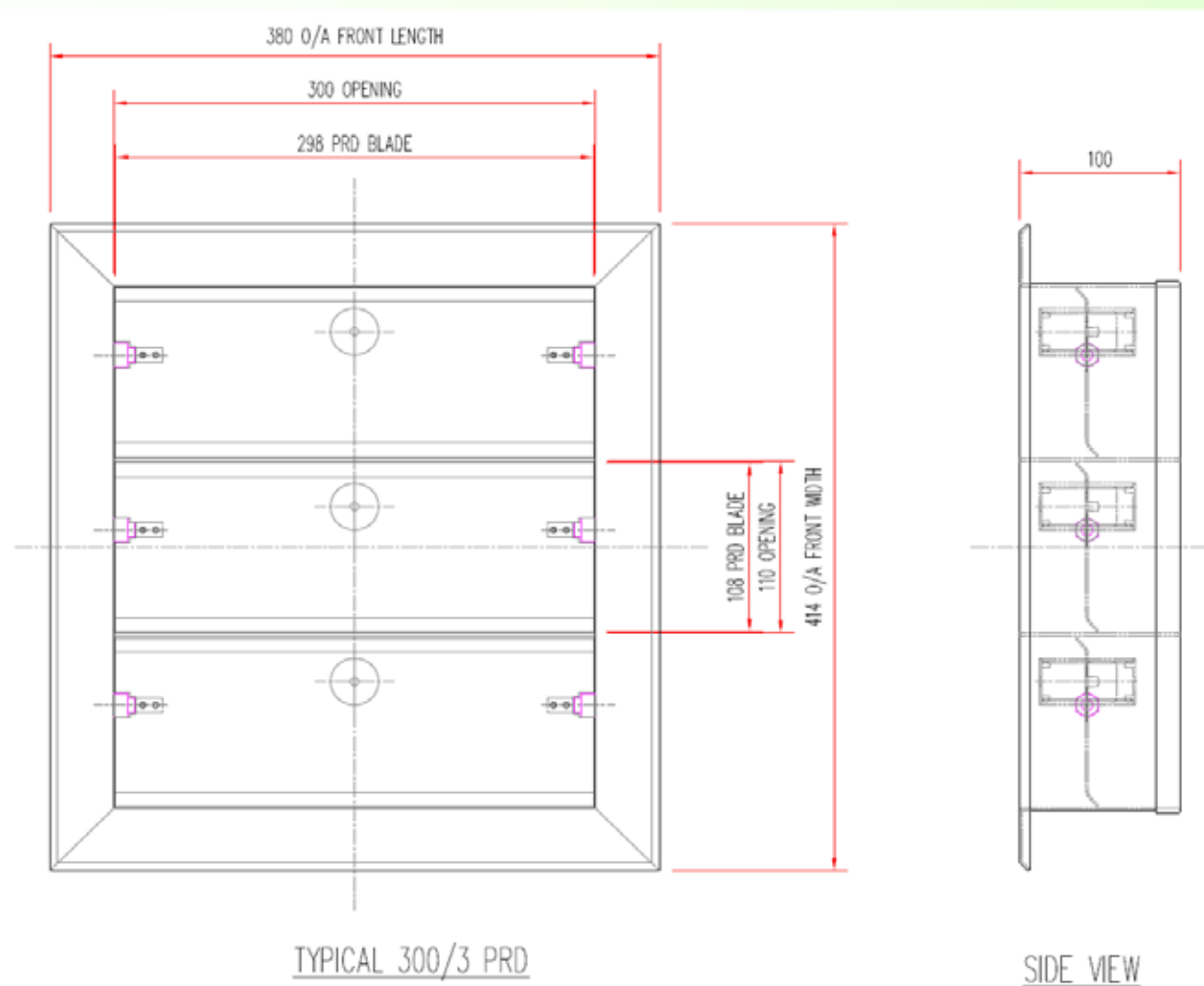
All the sharp edges and corners has been radius to avoid bacteria contamination and better flow air / light system in the theatre.

The WTK operating theatre has been designed & build to suit many modern equipment as: -

1. Air / Light Ceiling
2. OT door
3. Electrical equipment
4. Pressure relief damper
5. Digital OR System
6. Lighting System
7. Pendants
8. OT Control Panel
9. OT Table
10. OT Light
11. Scrub Sink
12. Storage system

## Innovative Design in Medical Engineering

# TYPICAL LAYOUT OF PRESSURE RELIEF DAMPERS



## TECHNICAL SPECIFICATION

HTM 03-01/HTM2025 – Ventilation in Healthcare Premises

DIN 4799 – Testing of Air Distribution Systems Serving OT

EC-Conformity Declaration CE

Designation : WT16000 Pressure Relief Dampers

Dimensions : Varies

Material : Stainless Steel blade with stainless body or epoxy powder coated steel body with adjustable counter balance

Adjustment : Counter weight design with Stainless Steel housing and adjustable brass counter weight for precision control

Air Movement: Through openings on pressure relief dampers

Sleeve : Optional sleeve or make up flange upon request

## MODEL NUMBER

- WT16001 1 blade with length 300mm 300/1
- WT16002 2 blade with length 300mm 300/2
- WT16003 3 blade with length 300mm 300/3
- WT16004 4 blade with length 300mm 300/4
- WT16005 5 blade with length 300mm 300/5
- WT16006 1 blade with length 330mm 330/1
- WT16007 2 blade with length 330mm 330/2
- WT16008 3 blade with length 330mm 330/3
- WT16009 4 blade with length 330mm 330/4
- WT16010 5 blade with length 330mm 330/5
- WT16011 1 blade with length 380mm 380/1
- WT16012 2 blade with length 380mm 380/2
- WT16013 3 blade with length 380mm 380/3
- WT16014 4 blade with length 380mm 380/4
- WT16015 5 blade with length 380mm 380/5
- WT16016 1 blade with length 430mm 430/1
- WT16017 2 blade with length 430mm 430/2
- WT16018 3 blade with length 430mm 430/3
- WT16019 4 blade with length 430mm 430/4
- WT16020 5 blade with length 430mm 430/5

- WT16021 1 blade with length 470mm 470/1
- WT16022 2 blade with length 470mm 470/2
- WT16023 3 blade with length 470mm 470/3
- WT16024 4 blade with length 470mm 470/4
- WT16025 5 blade with length 470mm 470/5
- WT16026 1 blade with length 520mm 520/1
- WT16027 2 blade with length 520mm 520/2
- WT16028 3 blade with length 520mm 520/3
- WT16029 4 blade with length 520mm 520/4
- WT16030 5 blade with length 520mm 520/5

