

## HEAVY DUTY DAMPER

### KHDC 1 and KHDC 2

Konvekta Ltd have designed and manufactured a wide range of ventilation products to fulfil all air control requirements. The Konvekta products can be adapted to suit many different applications or tailored to meet specific requirements, providing complete air control solutions



Type KHDC 1

Konvekta Ltd has the technology and expertise to produce products that continually excel on design and application quality



Type KHDC 2

The Dampers can be manufactured from mild steel or stainless steel to provide complete protection in most atmospheres

Quality – Investment – Innovation

## HEAVY DUTY DAMPER KHDC 1 and KHDC 2

Konvekta has the capability to manufacture customized products:



Photograph shows the KDHC Twin

### ORDERING

KHDC-1

Damper type

150

Size

M

Control Applications

- M = Manual
- E = Electrically Actuated
- P = Pneumatic

# HEAVY DUTY DAMPER

## KHDC 1

The KHDC heavy duty circular isolation damper provides superb performance in high pressure and high temperature isolation applications

### Size Range:

- 150mm to 700mm Dia.

### Blades:

- 6mm thick blades reducing dirt and dust build up

### Casing:

- 2mm thick casings to provide structural strength and rigid protection in corrosive atmospheres

### Ease of Maintenance:

- Single blade dampers, one shaft, only two wear points complete with self lubricating bushes, provides almost maintenance free dampers

### Finishes:

- Optional polished finish or polyester powder coating to any RAL specification

### Flanges:

- Minimum 5mm thick, drilled flanges as standard

### Ease of Installation:

- Only matching the flanges is required on installation

### Motorization:

- All dampers can be controlled via pneumatic/electric actuators or manually

### Seals:

- Seals typically manufactured from FDA approved silicone/nitrite. Options to specify raw material of seal

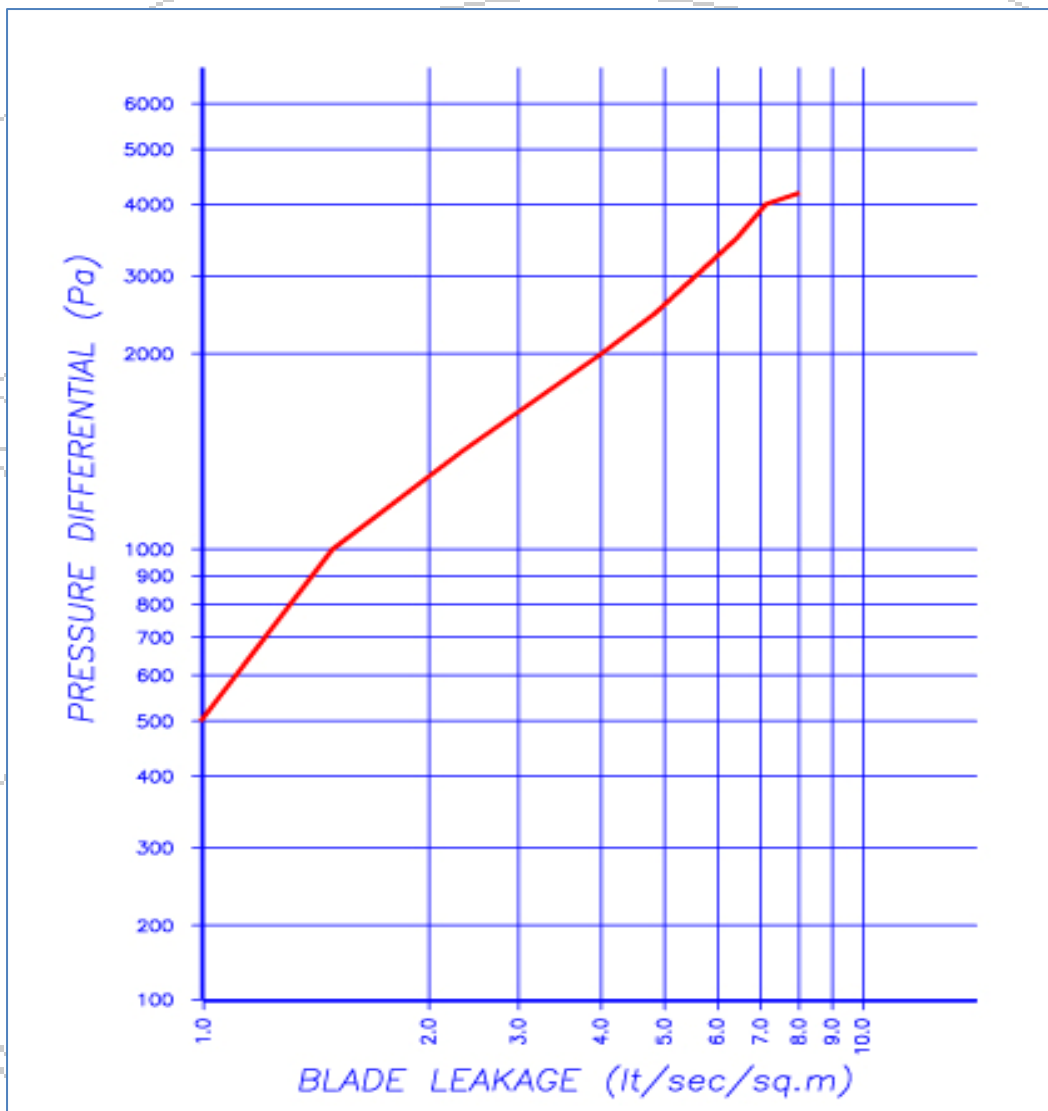
### Steel Specifications:

- Dampers are available in mild steel, grade 316 or grade 304 stainless steel

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## HEAVY DUTY DAMPER KHDC 1

Graph of air leakage vs. pressure differential through closed blades



**Air leakage through shafts: Damper shaft seals gas tight to 2000pa**



## HEAVY DUTY DAMPER

### KHDC 2

KHDC 2 incorporates an elliptical blade design, which achieves a positive shut off without the need for stops. This unique design means that the casing is free from any obstacle which would hinder the wash down process. Ideal for pharmaceutical applications

#### Size Range:

- 150mm to 700mm Dia.

#### Blades:

- 6mm thick multi-lamina elliptical blade assembly. Complete with an FDA seal

#### Casing:

- 2mm thick casings to provide structural strength and rigid protection in corrosive atmospheres

#### Ease of Maintenance:

- Options without blade stops, meaning reduce build up of product in the damper, providing easy cleaning. Single blade dampers, one shaft, two wear points and self lubricating bushes, provides almost maintenance free dampers.

#### Finishes:

- Optional polished finish

#### Flanges:

- Minimum 5mm thick , drilled flanges as standard

#### Ease of Installation:

- Only matching the flanges is required on installation

#### Motorization:

- All dampers can be controlled via pneumatic/electric actuators or manually

#### Seals:

- Seals typically manufactured from FDA approved silicone/nitrite. Options to specify raw material of seals

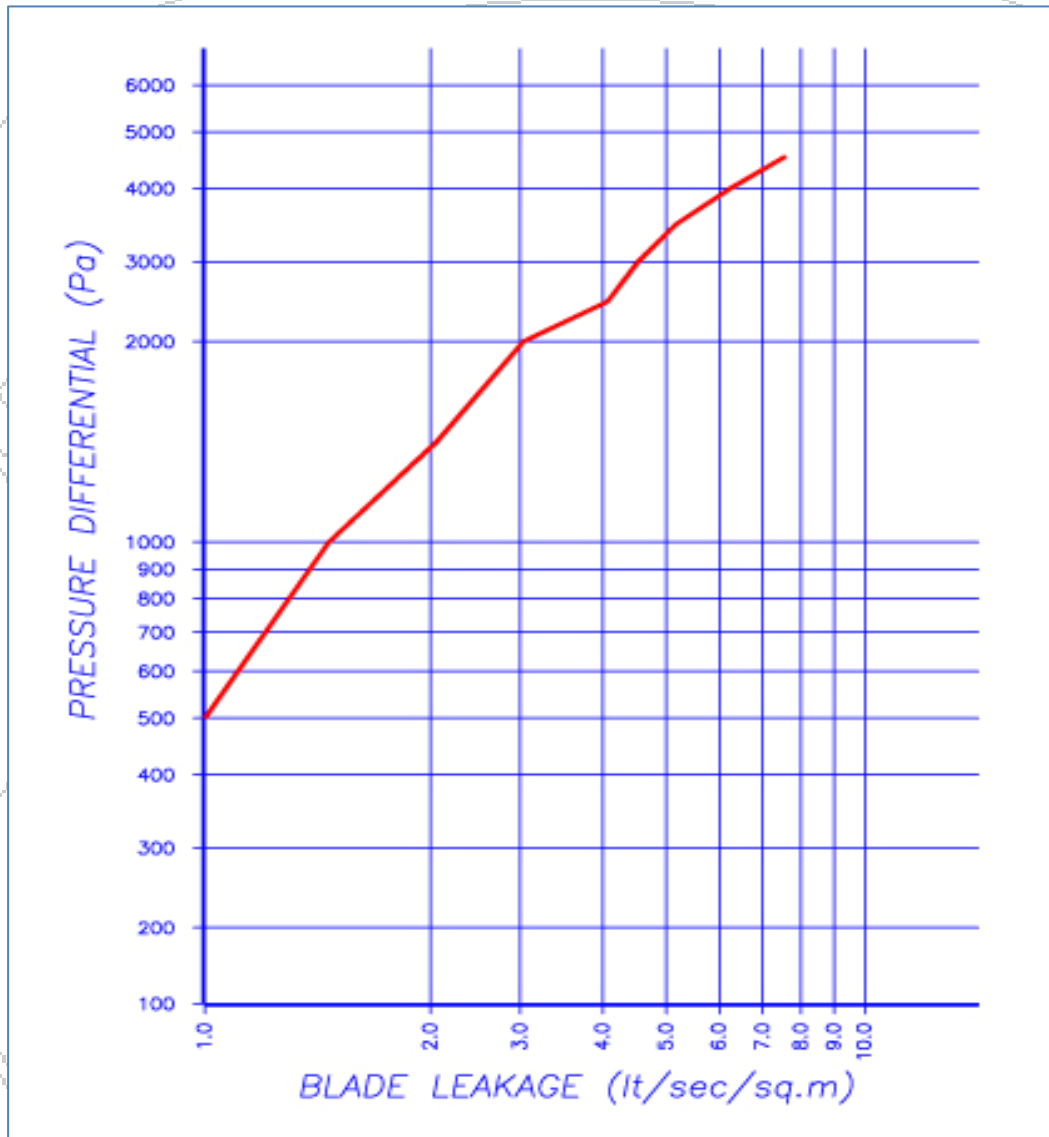
#### Steel Specification:

- 2mm thick mild steel, grade 316 or grade 304 stainless steel

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## HEAVY DUTY DAMPER KHDC 2

Graph of air leakage vs. pressure differential through closed blades



**Air leakage through shafts: Damper shaft seals gas tight to 2000pa**

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