

# 0400MAN

# Circular Fire Damper

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# 0400MAN Circular Fire Damper

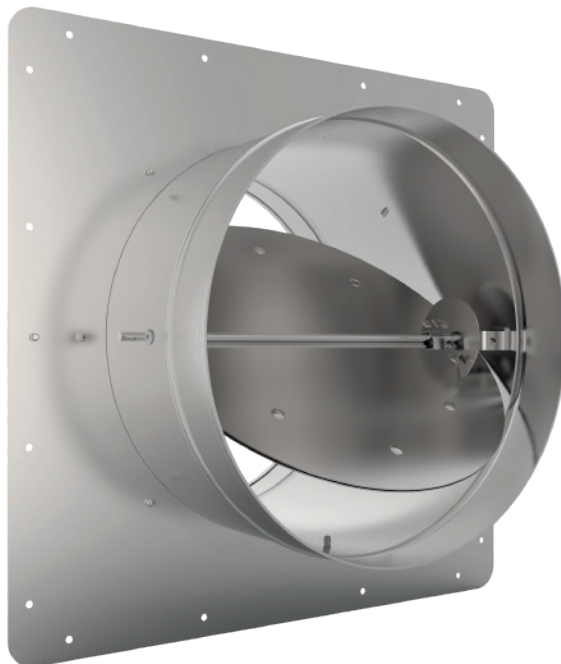
To meet the demand for fire dampers with easy access for testing and maintenance, we are pleased to offer the 0400MAN damper.

This damper has been designed to maintain its integrity in a fire. The sizes available are from minimum 100mm diameter to maximum 315mm diameter.

The damper has been tested to meet the current CPR requirements for CE labelling being tested to BS EN 1366-2 and classified to BS EN 13501-3 as required in the product standard BS EN 15650.

## Features and Benefits

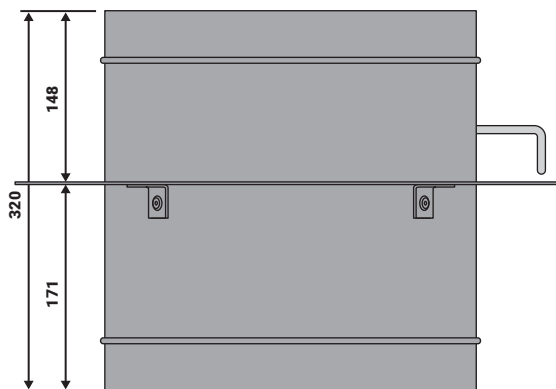
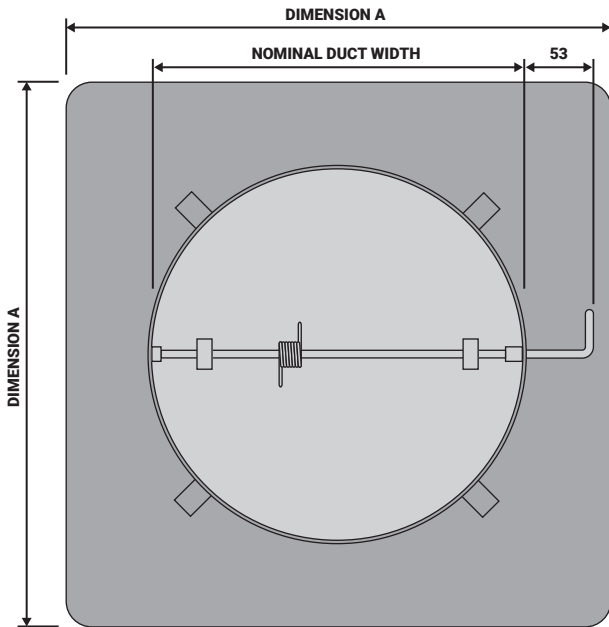
- Aerodynamically air control tested to BS EN 1751.
- Thermal fuse replaceable from outside the casing.
- Tested and assessed to BS EN 1366-2.
- External blade position indicator.



## TECHNICAL SPECIFICATION

# 0400MAN Circular Fire Damper

### 0400MAN Dimensions



### 0400MAN – Plate Dimension

	Dimension A (mm)
<b>100</b>	<b>239</b>
<b>125</b>	<b>264</b>
<b>150</b>	<b>289</b>
<b>160</b>	<b>299</b>
<b>200</b>	<b>339</b>
<b>250</b>	<b>389</b>
<b>300</b>	<b>439</b>
<b>315</b>	<b>454</b>

### Construction

#### CASING

The casing is manufactured from 0.9mm galvanised mild steel complete with swages at each end.

#### BLADE

The blades are double-skinned constructed from 1mm galvanised mild steel with a thermal performance material between the skins.

#### THERMAL FUSE

The thermal fuse is screwed into position through a 12.5mm diameter brass holder. When tightly screwed retains the blade in position set using the handle.

#### HANDLE

The handle is a 6mm diameter pre-formed galvanised mild steel rod that allows the damper blade to be positioned fully open position or to any set point. The blade position is shown against an open/closed label on the casing.

#### INSTALLATION PLATE

The installation plate is supplied as standard allowing the damper to be fixed into place from one side only.

#### Duct Sizes

Available in 100mm, 125mm, 150mm, 160mm, 200mm, 250mm, 300mm and 315mm diameters.

#### Storage

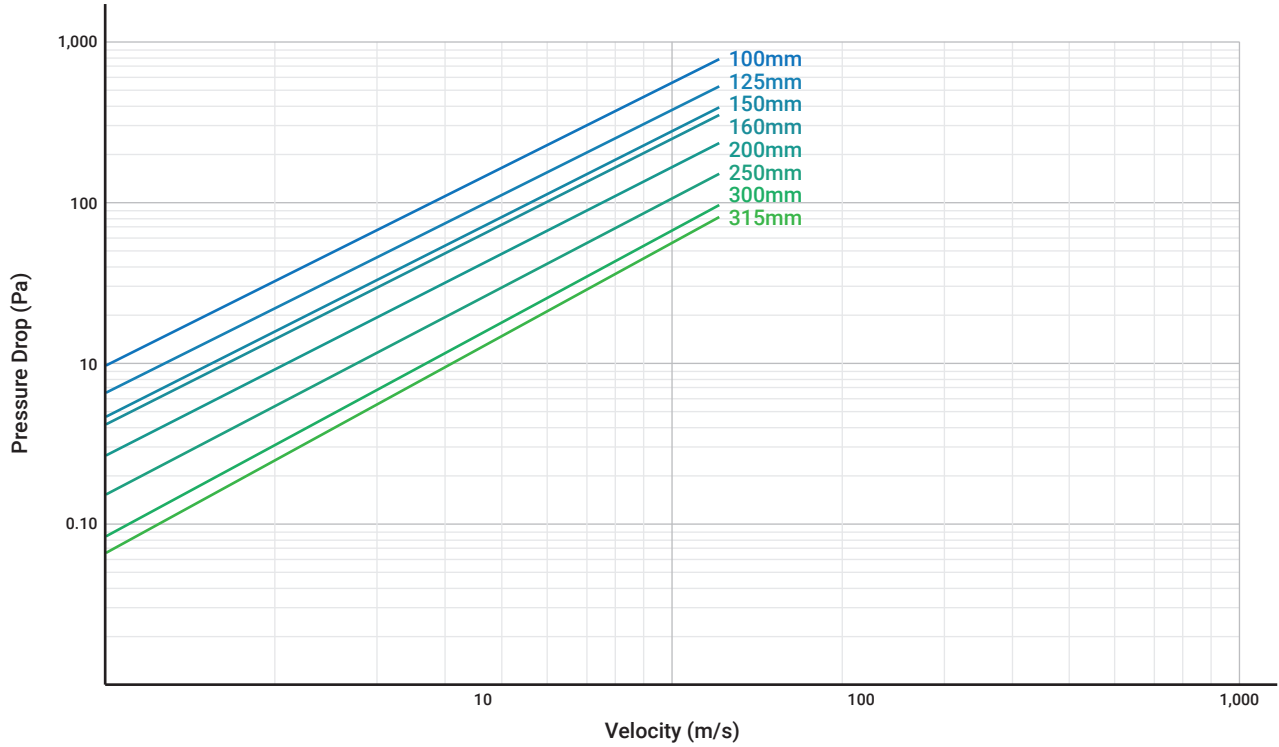
The 0400 Series damper is not a weatherproof product and it is important that dampers are stored in a clean, dry environment at ambient temperature. Temperatures in excess of 38 °C may cause irreversible damage to the molecular structure of the solder on fusible links and may result in creepage which can cause the link to eventually break and activate the damper..

#### Testing And Compliance

Designed to BS EN 15650, classified to BS EN 13501-3.  
 Fusible link operation tested to ISO 10294-4.  
 Damper installations fire tested to BS EN 1366-2.  
 Casing leakage to DW144 class C.  
 Maximum duct velocity – 10m/s.  
 Maximum duct pressure – 1000 Pa.

# 0400MAN Circular Fire Damper

0400MAN – Pressure Drop



0400MAN – Free Area

	Free Area (m <sup>2</sup> )	Free Area (%)
<b>100</b>	0.00583	74
<b>125</b>	0.00985	80
<b>150</b>	0.01484	84
<b>160</b>	0.01712	85
<b>200</b>	0.02778	88
<b>250</b>	0.04465	91
<b>300</b>	0.06544	93
<b>315</b>	0.07244	93

0400MAN – Weight

	Weight (kg)
<b>100</b>	1.5
<b>125</b>	1.8
<b>150</b>	2.2
<b>160</b>	2.4
<b>200</b>	3.0
<b>250</b>	4.0
<b>300</b>	5.0
<b>315</b>	6.3