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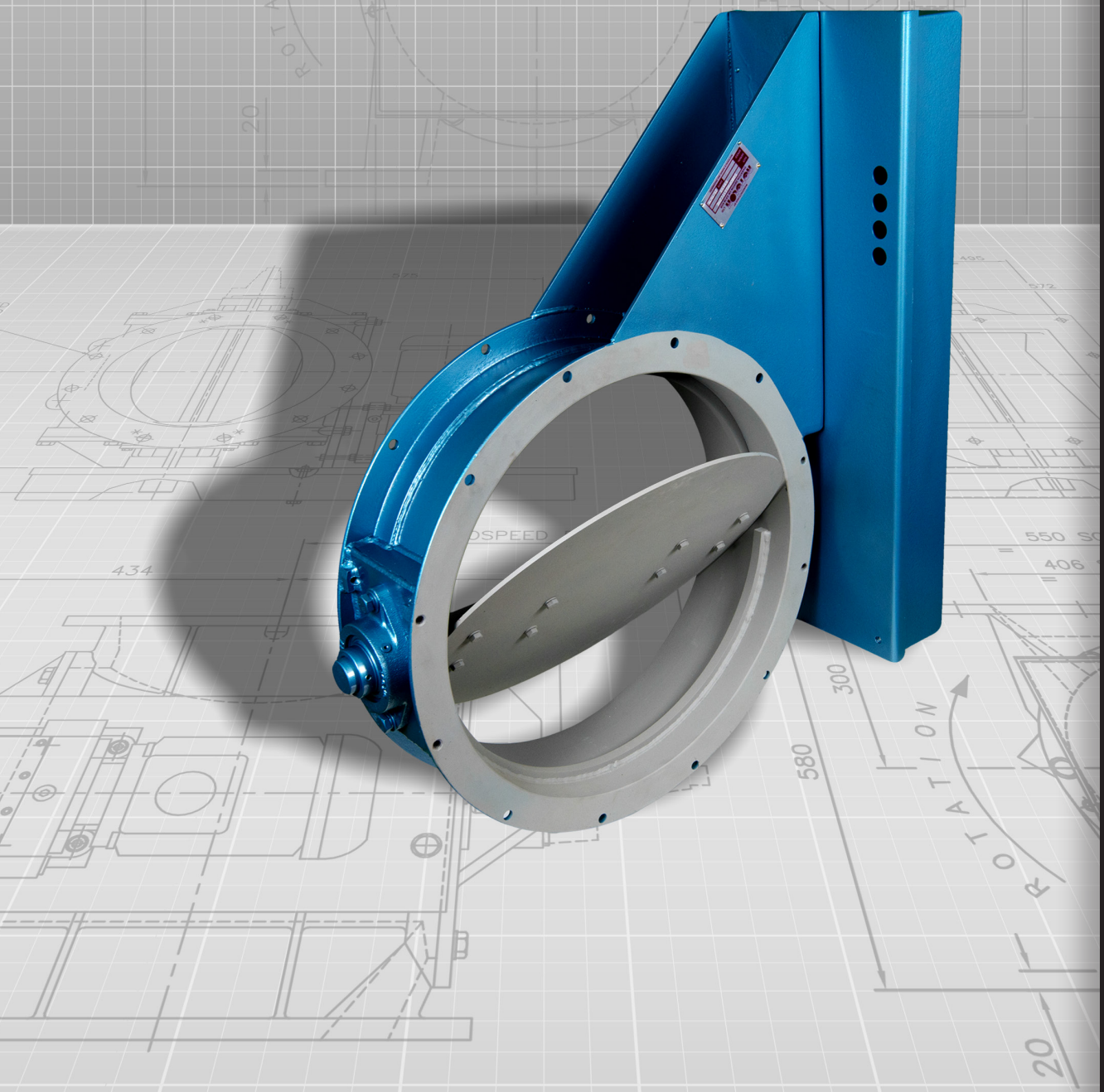
BUTTERFLY DAMPERS



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INTRODUCTION

The fabricated range of Rotolok Butterfly Dampers are used extensively in the air and dust handling industries generally in fan systems.

They are normally operated automatically by air cylinders, electric or pneumatic actuators although manual versions through the customary hand lever, hand-wheel and reduction gearboxes can also be accommodated.

SPECIFICATION

Construction is generally from Mild or Stainless Steel with the body of the valve formed from rolled steel angles or channels dependent on the size.

The Damper itself is a single plate sized for close fitment to the valve body and seats against a fixed stop. When closed, the expected leakage is considered to be less than 1% based on cross sectional area.

The split spindle mounting system minimizes turbulence within the air stream and these spindles are mounted on either two or four bolt flanged mounted sealed for life bearings.

Shaft seals can be fitted if required through a simple rubber gasket/lipseal arrangement or, on high temperature applications, the conventional stuffing box is utilised.

The type of actuator, to suit the clients requirements or specification, can be added to all sizes and, on pneumatic versions, limit switches and single solenoid spring return valves are included.

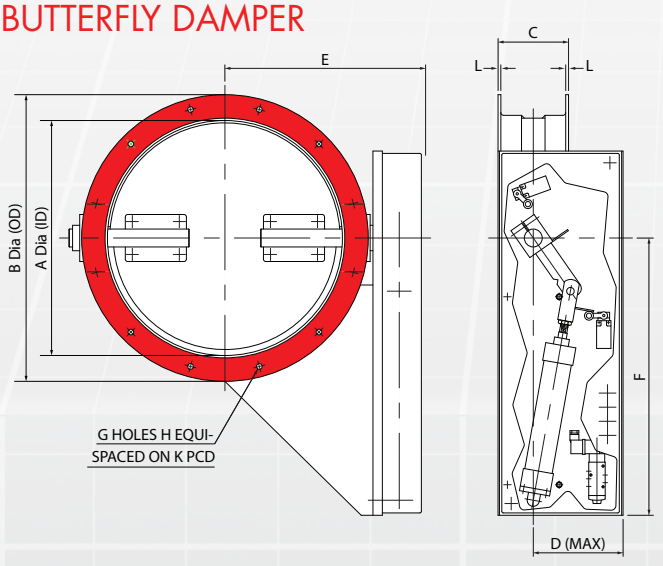
RANGE

With fabrication, practically any size can be accommodated to suit the duct size with flanges also made to suit system designers needs.

The standard range starts at 150mm diameter and extends to 700mm in diameter. It is not recommended to go below 150mm diameter. Square units and special sizes can be, and have been manufactured.

On valve size selection it is important to ensure that the ducting size is equal to or slightly larger than the valve bore. This is to prevent any possible interference during the damper operation in the area where the blade enters the ducting, or should there be any misalignment between the components on assembly.

BUTTERFLY DAMPER



All dimensions are in millimetres

SIZE	A	B	C	D	E	F	G	H	K	L
150	154	240	130	180	241	475	6	M10	205	8
250	250	340	130	180	287	475	8	M8	305	8
300	300	390	130	200	317	590	8	M10	356	6
350	350	440	130	200	342	590	8	M10	406	6
400	400	490	130	200	367	590	12	M10	456	6
450	450	540	130	200	392	590	12	M10	506	6
500	500	610	150	200	427	590	12	M12	566	6
600	600	710	150	200	477	590	16	M12	666	6
700	700	810	150	200	527	590	16	M12	766	6

Dimensions are approximate and subject to change without notice
Planning-in detail for general guidance only
(To cover safety aspects ask for our safety leaflets)
Drillings are Rotolok standards. Variations can be made.