

3.141 BDS BACK DRAUGHT SHUTTER Air Management

BACK DRAUGHT SHUTTER BDS.

The butterfly shutter type **BDS** is used to preventing the reverse of air-flow in circular duct systems.

CONSTRUCTION

The casing of the **BDS** has been constructed from galvanised steel. The blades are made of aluminium. The shaft and the spring are made of stainless steel. The butterfly shutter is fitted with a return spring, which closes the blades onto a sound absorbing ring. Nominal diameters correspond to those in DIN 24145. For production range and main dimensions see the tables.

INSTALLATION

It is recommended to install the shutter into horizontal ducting. The shaft axis must be vertical. The shutter is installed into the duct by simple slide-in.

OPERATION CONDITIONS

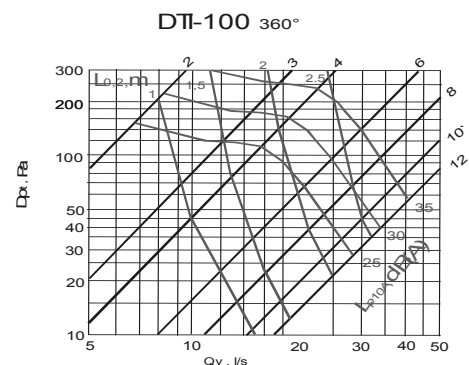
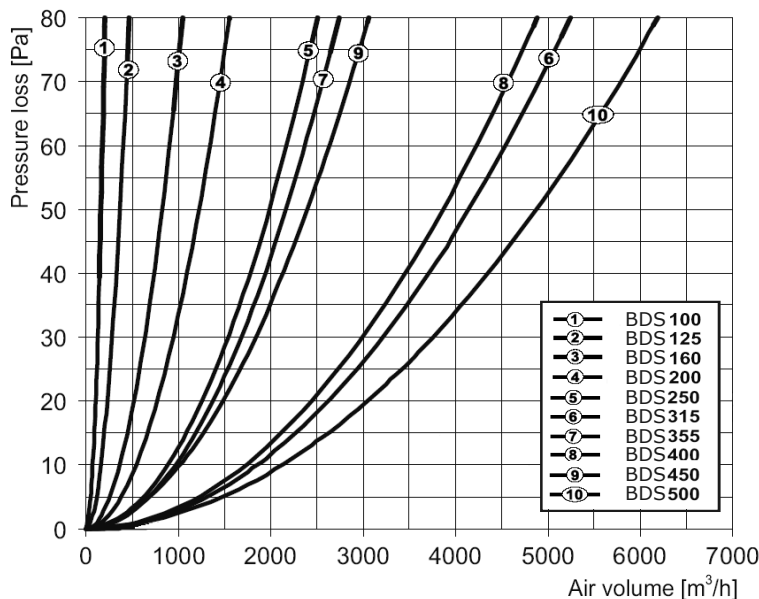
The shutter is destined for operation in a standard environment with ambient temperature up to 60°C, for transportation of clean air free of coarse dust, grease, chemical vapours and other impurities.

The **BDS** is sold by the piece.



Type	ØD (mm)	L (mm)	L1 (mm)	Case thickness (mm)	Average weight
BDS-100	098.6±0.4	88	6	0.55	0.13 kg
BDS-125	123.6±0.4	88	19	0.55	0.17 kg
BDS-150	148.8±0.4	88	31	0.55	0.22 kg
BDS-160	158.6±0.4	88	36	0.55	0.24 kg
BDS-180	178.8±0.4	88	46	0.55	0.26 kg
BDS-200	198.6±0.4	88	56	0.55	0.29 kg
BDS-250	248.6±0.6	128	61	0.8	0.68 kg
BDS-315	312.7±0.6	128	94	0.8	0.81 kg
BDS-355	352.7±0.6	198	65	0.8	1.47 kg
BDS-400	398.7±0.6	198	94	0.8	1.68 kg
BDS-450	448.7±0.6	248	80	0.8	2.43 kg
BDS-500	498.7±0.6	248	107	0.8	2.76 kg

PRESSURE LOSS CHART



The information contained in this brochure was current on the publication date. The Company reserves the right to make changes in details at any time without prior notice. In order to avoid misunderstandings, any interested party is advised to contact the Company checking for any changes in materials and/or information after this brochure was published.

Version 2009 www.decinternational.com