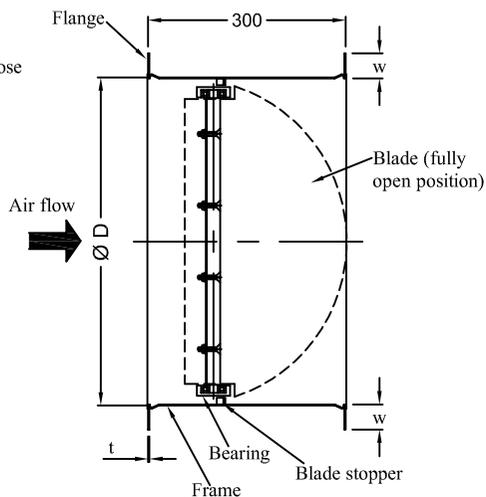
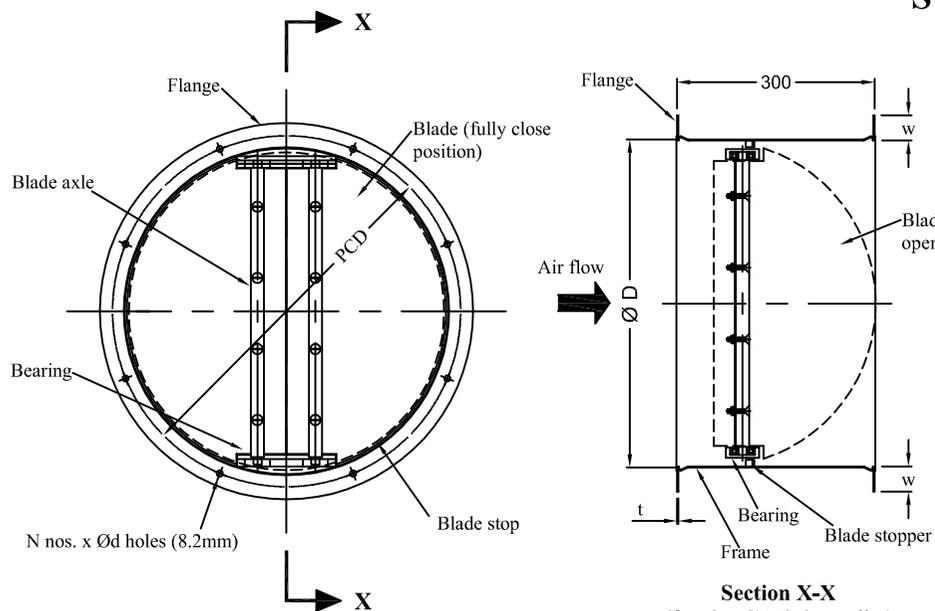
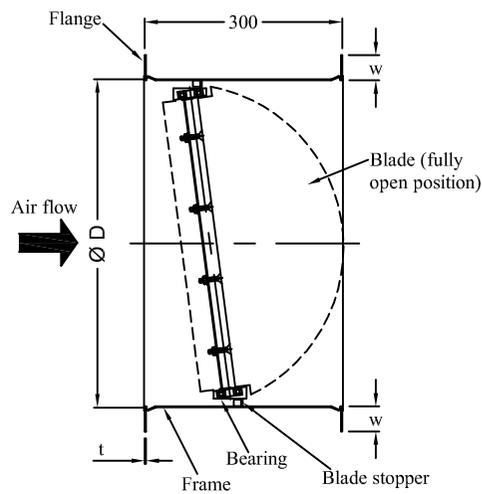


Submittal



Section X-X
(for size Ø450 & smaller)



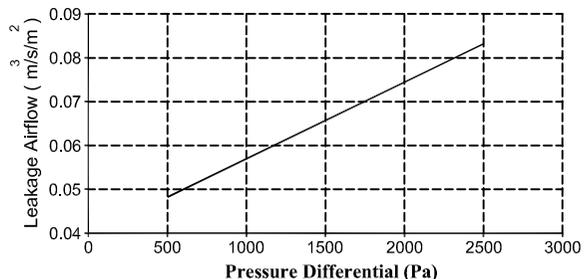
Section X-X
(for size larger than Ø450)

Constructions :

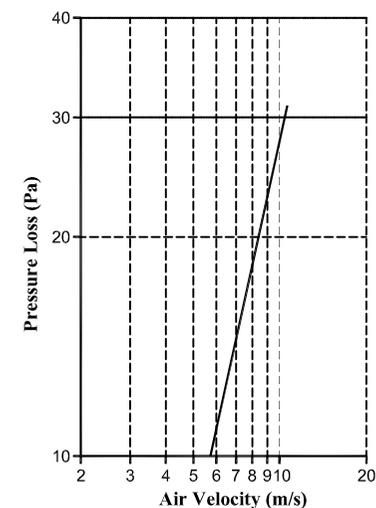
- 1. Frame :** Constructed of high quality 1.2mm thk. galvanised steel with flanges for duct to duct connection. (Refer to Table 1 for flange details)
- 2. Blades :** Constructed of 1.2mm thk. aluminium or 0.7mm thk. galvanised steel. (For the size exceed Ø450 are constructed of 1.2mm thk. aluminium and 0.7mm thk. galvanised steel.)
- 3. Blade Axles :** Constructed of 12mm sq steel shaft for damper up to Ø450mm. For damper size >Ø450mm, the axles are constructed of 20mm sq steel shaft.
- 4. Bearing :** Permanently lubricated ball bearing.
- 5. Stopper :** Constructed of steel with neoprene gasket.
- Suitable for operating pressure of 1000Pa. For heavy construction, please refer to factory.
- For other materials, please consult factory.

Special Instruction :

Damper must be installed 2 equivalent diameter downstream of fan to prevent damage to the damper. If this condition cannot be met, please consult factory.



Notes: Leakage performance based on test carried out with Ø700 damper.



Notes: Pressure loss performance based on test carried out with Ø700 damper.

Table 1: ØD = Nom. Damper Size - 6

Nominal Damper Size	ØD	PCD	N	t	w
150	144	188	6	1.5	38
200	194	238	6	1.5	38
250	244	288	6	2.0	38
300	294	338	6	2.0	38
350	344	388	8	2.0	38
400	394	438	8	2.0	38
450	444	488	8	2.5	38
500	494	538	12	2.5	38
550	544	588	12	2.5	38
600	594	638	12	2.5	38
650	644	700	12	2.5	50
700	694	750	16	2.5	50
750	744	800	16	2.5	50
800	794	850	16	2.5	50
850	844	900	16	2.5	50
900	894	950	16	2.5	50
950	944	1000	20	2.5	50
1000	994	1050	20	2.5	50
1100	1094	1150	20	3.0	50
1250	1244	1300	28	3.0	50
1300	1294	1350	28	4.5	50
1400	1394	1450	28	4.5	50
1500	1494	1550	28	4.5	50

Notes:

No. of holes (N) are constructed according to SMACNA Round Industrial Duct Construction Standards

In the interest of product improvement, we reserved the right to make changes without notice.

All dimensions are in mm



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Title :

Circular Backdraft Damper (Model CD1000)

Dwn. By :

Zhie *Zhie*

Date :

20/12/2019

Scale :

Chk. By :

Han *Han*

Dwg. No. :

DEXEP034-R1

N.T.S

App. By :

Wong *Wong*

