

Wall mounted damper Model RC400V-B

Notes:

1. Damper are available in single or multiple modules in single row assembly only.
2. Duct connection shall be by 'S' slip or other acceptable method whereby the duct is allowed to break free from the damper during fire.
3. (a) Min. damper size: 150 (W) x 150 (H) mm
Min. duct size: 150 (W) x 120 (H) mm
- (b) Max. damper size:
(i). Single module: 1500 (W) x 1500 (H) mm
Max. duct size: 1500 (Width) x 1360 (H) mm
- (ii). Multiple modules please refer to DWG No: DAXEP009
4. K: Wall thickness
D: K + 76 mm
5. Wall opening = damper size x 1.01 + 10mm (GI)
Wall opening = damper size x 1.015 + 10mm (SS304/316)

Example:

For galvanized steel damper with duct size 2000 (W) x 850 (H), the opening size shall be calculated as follows:

From Table 1, H1 = 940 mm

min. expansion gap:

$$2000 \times 1.01 + 10 = 2030 \text{ mm}$$

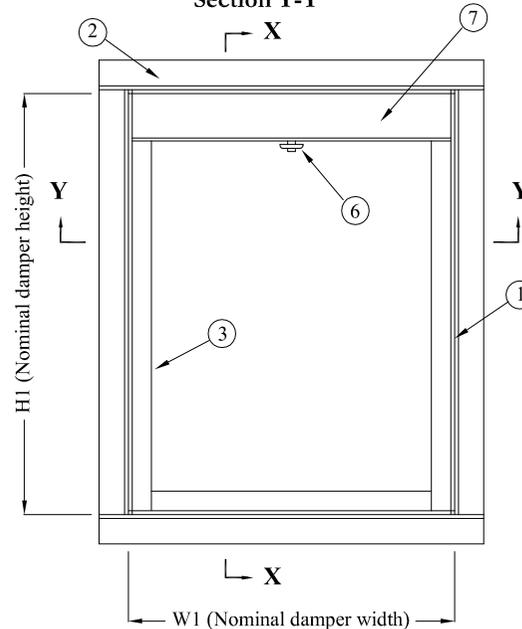
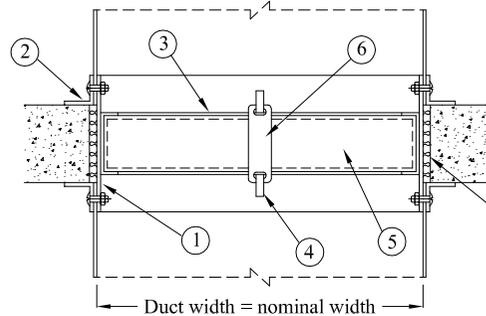
$$940 \times 1.01 + 10 = 960 \text{ mm}$$

hence, min. opening size = 2030 (W) x 960 (H) mm.

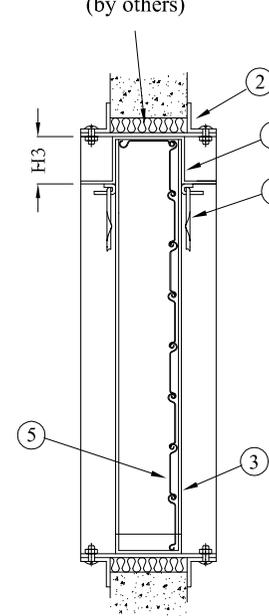
For small damper with expansion gap smaller than 19mm, the max. opening size may be based on the expansion gap of 19mm.

Hence min. opening size = 2038 (W) x 978 (H) mm.

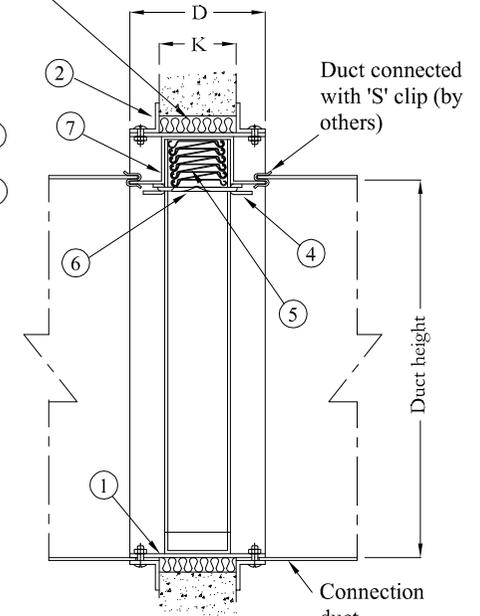
Submittal



Expansion gap filled with high temperature insulation at all round (by others)



Section X-X
(Damper in close position)



Section X-X
(Section showing duct connection and the damper is in open position)

No.	Descriptions	Materials
1	Damper Sleeve	Galvanised Steel or Stainless Steel 1.5 - 2.5 thk.
2	Retaining Angle	Galvanised Steel or Stainless Steel 1.5 - 2.5 thk.
3	Damper Frame	Galvanised Steel or Stainless Steel 1.2 thk.
4	Fusible Link Bracket	Galvanised Steel or Stainless Steel 1.5 thk.
5	Blade	Galvanised Steel or Stainless Steel 1.0 thk.
6	Fusible Link	Rated at 74°C
7	Blade Stack Cover	Galvanised Steel or Stainless Steel 1.2 thk.

Table 1:

Duct height	120	230	340	390	570	680	720	850	930	1160	1220	1340	1360
Damper height, H1	150	260	380	445	630	750	800	940	1030	1270	1340	1470	1500
H3	30	30	40	55	60	70	80	90	100	110	120	130	140

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 :
4 hours rated curtain type wall mounted fire damper
- Model RC400V-B

Dwn. By :	Edward Chan	Date :	17/12/2019	Scale :
Chk. By :	Han Yee	Dwg. No. :	DAXEP002-R3	N.T.S
App. By :	Wong Wong			