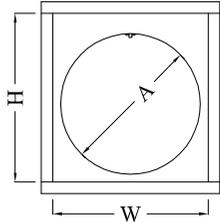


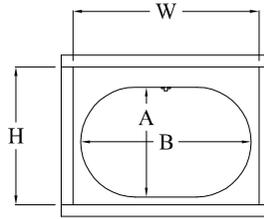
Wall mounted damper Model RC400V-C

Submittal



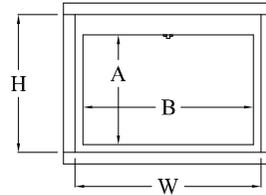
For round duct collar:
 $W = A + 60 \text{ mm}$
 $H = A + H3 + 30 \text{ mm}$

	A	W	H
Min. size	150	210	210
Max. size	1330	1390	1500



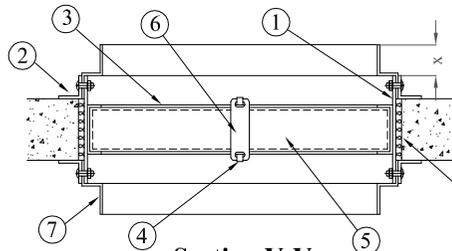
For flat-oval duct collar:
 $W = B + 60 \text{ mm}$
 $H = A + H3 + 30 \text{ mm}$

	A	B	W	H
Min. size	150	150	210	210
Max. size	1330	1440	1500	1500



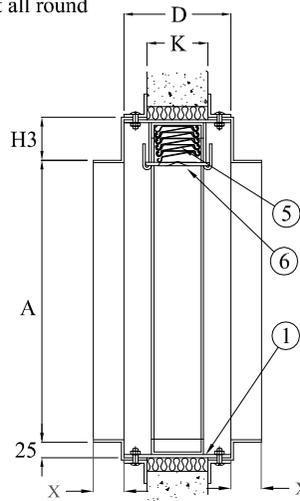
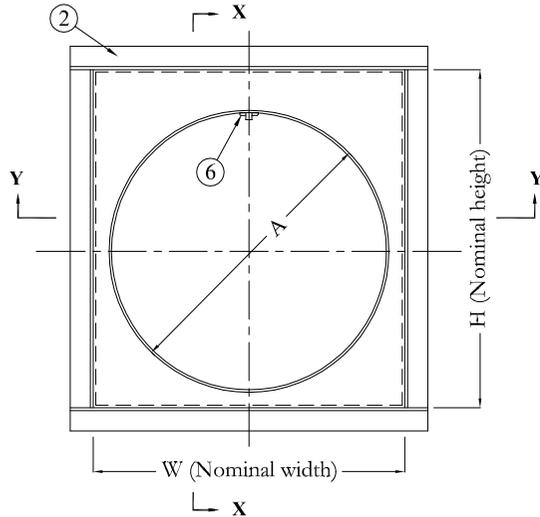
For rectangular duct collar:
 $W = B + 60 \text{ mm}$
 $H = A + H3 + 30 \text{ mm}$

	A	B	W	H
Min. size	150	150	210	210
Max. size	1330	1440	1500	1500

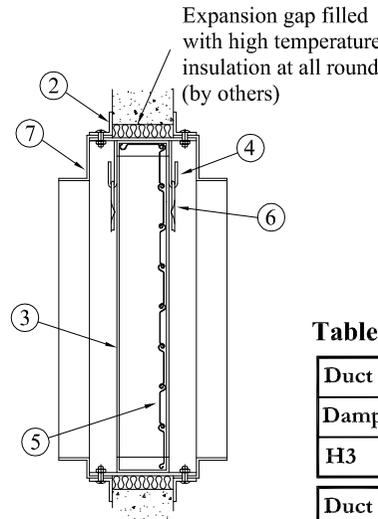


Section Y-Y

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



Section X-X
(Damper in open position)



Section X-X
(Damper in close 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	Duct collar	Galvanised Steel or Stainless Steel 0.5 - 1.2 thk

Notes:

1. Damper are available in single module construction only
2. K: Wall thickness
D: K + 76 mm
3. X=70mm for round and flat-oval duct collar.
X=30mm for rectangular duct collar.
4. 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 connection duct size Ø650, the opening size shall be calculated as follows:
 $W = 650 + 60 = 710 \text{ mm}$

From Table 1, H = 750 mm

$710 \times 1.01 + 10 = 727 \text{ mm}$

$750 \times 1.01 + 10 = 768 \text{ mm}$

hence, min. opening size = 727(W) x 768(H) mm.

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

Hence min. opening size = 748 (W) x 788 (H) mm.

Table 1:

Duct height, A	150	200	310	360	540	650	690
Damper height, H	210	260	380	445	630	750	800
H3	30	30	40	55	60	70	80

Duct height, A	820	900	1130	1190	1310	1330
Damper height, H	940	1030	1270	1340	1470	1500
H3	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
 - Damper with duct collar (Model RC400V-C)**

Dwn. By :	Edward Chan	Date :	17/12/2019	Scale :	
Chk. By :	Han Jee	Dwg. No. :	DAXEP003-R2	N.T.S	
App. By :	Wongwong				