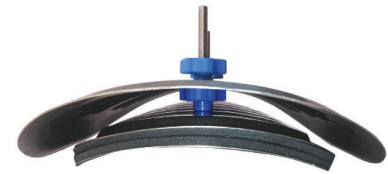


General description

The access doors for insulated double wall circular duct (DT-INSUL-CAD) allow easy admittance to the ventilation ducting for the purpose of inspection and cleaning.



The DT-INSUL-CAD is composed of three panels :

- an **insulated** inner panel, fitted with a polyethylene sheet of 6 mm thickness to be slid inside the smallest duct
- a middle panel, that once compressed by tightening the first set of knobs, will insure a maximum air tightness.
- a bigger outer panel to insure a smooth finish

The DT-INSUL-CAD is also available :

- for high temperature : HT-DT-INSUL-CAD
- in stainless steel 304* : DT-INSUL-CAD-SS
- for high temperature in stainless steel 304* : HT-DT-INSUL-CAD-SS

* also available in stainless steel 316 on request

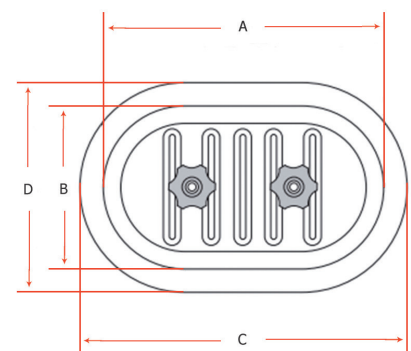
Technical specification

		DT-INSUL	HT-DT-INSUL	DT-INSUL-SS	HT-DT-INSUL-SS
PANELS	Material	Galvanized steel Z275		Stainless steel 304	
INSULATION AND SEALING GASKET	Material	Polyethylene	Ceramic	Polyethylene	Ceramic
	Thickness	6 mm	4 mm	6 mm	4 mm
	Density	+/- 33 Kg / m ³	+/- 160 Kg / m ³	+/- 33 Kg / m ³	+/- 160 Kg / m ³
COMPONENTS COMPRESSION SYSTEM	Screws	2 screws crimped on internal panel M8x100 or M10x100		2 stainless steel 304 screws crimped on internal panel M8x100 or M10x100	
	Springs	2 compressions springs			
	Knobs	4 plastic knobs with metal insert M8 or M10	4 steel knobs with metal insert M8 or M10	4 plastic knobs with metal insert M8 or M10	4 steel knobs with metal insert M8 or M10
OPERATING TEMPERATURES		Up to 80°C	Up to 200°C (will meet 400°/2h certification)	Up to 80°C	Up to 200°C (will meet 400°/2h certification)

Self-adhesive template comes with each door, for accurate cut-out

Sizes

Door type	Nominal sizes (mm)	Actual Dimensions (mm) The format is oblong, and the radius of the 4 angles is equivalent to the small size divided by 2.			
		A	B	C	D
18	180 x 80	170	72	197	101
25	250 x 150	250	150	274	186
30	300 x 200	300	200	329	228
40	400 x 300	380	280	403	303
50	500 x 400	500	400	532	432



A & B = opening dimensions
C & D = external dimensions

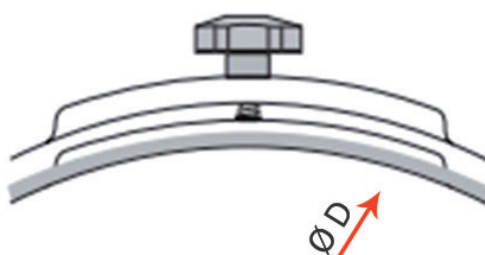
Information contained herein is based on careful tests and experience. It reflects our knowledge and is for guidance purpose only. It is given in good faith and user should ensure that the product is fit for purpose before any application. The quoted values are average and should not be taken as maximum or minimum values for specific purposes. Manufacturer and distributor are not responsible for any non-recommended use or consequential damage.

CAD selection chart for round ducting

Duct dia. \ Door size	180x80 mm	250x150 mm	300x200 mm	400x300 mm	500x400 mm
100 mm	+	-	-	-	-
125 mm	+	+	-	-	-
140 mm	+	+	-	-	-
150 mm	+	+	-	-	-
160 mm	+	+	-	-	-
180 mm	-	+	-	-	-
200 mm	-	+	-	-	-
224 mm	-	+	-	-	-
250 mm	-	+	-	-	-
280 mm	-	+	+	-	-
300 mm	-	+	+	-	-
315 mm	-	+	+	-	-
355 mm	-	+	+	-	-
400 mm	-	-	+	+	-
450 mm	-	-	+	+	-
500 mm	-	-	+	+	-
550 mm	-	-	-	+	+
560 mm	-	-	-	+	+
600 mm	-	-	-	+	+
630 mm	-	-	-	+	+
700 mm	-	-	-	+	+
710 mm	-	-	-	+	+
800 mm	-	-	-	+	+
850 mm	-	-	-	+	+
900 mm	-	-	-	+	+
1000 mm	-	-	-	-	+
1120 mm	-	-	-	-	+
1250 mm	-	-	-	-	+
1400 mm	-	-	-	-	+
1500 mm	-	-	-	-	+
1600 mm	-	-	-	-	+
1800 mm	-	-	-	-	+

For non standard duct diameter it is recommended to use the curved access doors with a diameter directly superior the requested diameter.

+ : Available on request
 - : Not available



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Recommendations (based on EN 12097)

Access door needs to be fitted :

- before and after every fitting (dampers, fire dampers, filters, duct fans, duct heaters,...)
- after more than one change of direction of more than 45° as from the access door
- after more than one change of airflow as from the access door
- at least every 7,5 m

ROUND DUCTING (CAD)	
Nominal duct diameter (mm)	Minimal size of access door (mm) A x B
$100 \leq D < 200$	180 x 80
$200 \leq D \leq 315$	250 x 150
$315 < D \leq 500$	300 x 200
$500 < D$	400 x 300

