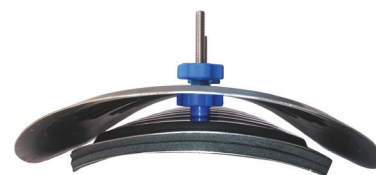


General description

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



The DT-INSUL-TIC 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-TIC is also available :

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

** also available in stainless steel 316 on request*

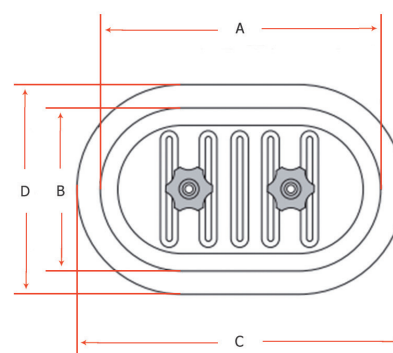
Technical specification

		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 / m³	+/- 160 Kg / m³	+/- 33 Kg / m³	+/- 160 Kg / m³
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

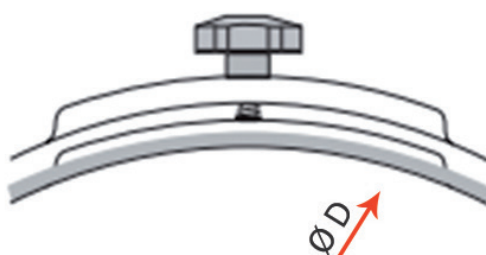
TIC selection chart for round ducting

Door size Duct dia.	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



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 (TIC)	
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

