

D U C T M A T E

Access Doors



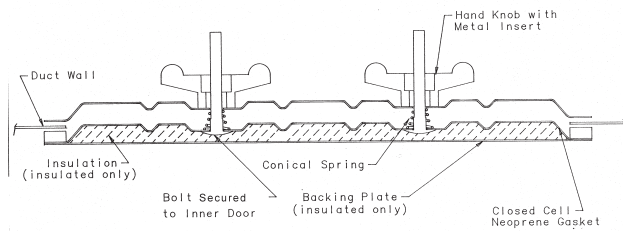
Sandwich[®] Access Doors

Quick and Easy

- Advanced Pressure Vessel Design
- Insulated, Uninsulated, and Specialty Metals
- No Measuring (Self-Adhesive Template Provided)
- Effortless Opening and Closing (No Tools Required)
- Shape Provides a More Effective Access Area
- No Frame to Install



Round Duct



DESCRIPTION

Access door for round ducts.

BASIC USE

To provide easy access into air ducts and units. The door was developed to provide a solid, leakproof door that is simple to install.

SPECIAL CHARACTERISTICS

- Insulated or uninsulated
- Smooth interior finish on insulated doors
- Tested to 20" W.G. with no leakage noted
- Tested to negative 10" W.G. with no leakage noted
- Please specify when ordering doors for negative pressure applications as gasket is placed to the outside panel
- Insulated doors are recommended for negative pressure applications

TECHNICAL INFORMATION

a. Panels

The insulated Round Duct Access Door consists of three layers of precision stamped steel. The inside panel consists of two layers of metal which are spot-welded together along the rim, encapsulating high density fiberglass insulation with Ecosse® Technology UL classified FHC 25/50 Uninsulated doors have similar construction without the backing plate and insulation.

NOTE: The 24" x 18" access door consists of only two layers of precision stamped steel. A polyester foam pad installed between the inner and outer door panels provides insulation. (The 24" x 18" door is not available with high density fiberglass insulation).

b. Gasket

Closed cell neoprene gasket is UL94HF1 listed with a service temperature range of (ASTM D746) -20° F to 200° F. The gasket is bonded to the inside of the door to insure consistent installations.

c. Springs

Zinc plated conical springs are installed, between the inner and outer door, to facilitate opening.

d. Knobs

Red polypropylene molded knobs have threaded metal inserts to eliminate thread stripping. Knobs are easily turned by hand. Knobs are UL94HB listed.

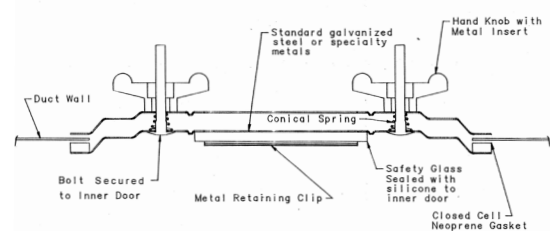
e. Bolts

Zinc plated carriage bolts are secured to inner door.

f. Template

Self adhesive template is provided for the exact size of duct opening required.

Observation



DESCRIPTION

Access door which allows inspection of the inside of the duct without door removal.

BASIC USE

To provide easy access into air ducts and unit and allow for viewing the inside of the duct. The door was developed to provide a solid, leakproof door that is simple to install.

SPECIAL CHARACTERISTICS

- 4" x 2-5/8" viewport
- Safety glass used for window
- Tested to 10" W.G.

TECHNICAL INFORMATION

a. Panels

The Observation Access Door consists of two layers of precision stamped, hot-dipped galvanized steel.

b. Gasket

Closed cell neoprene gasket is UL94HF1 listed with a service temperature range of (ASTM D746) -20° F to 200° F. The gasket is permanently bonded to the inside panel to eliminate leakage.

c. Springs

Zinc plated conical springs are installed, between the inner and outer door, to facilitate opening.

d. Knobs

Red polypropylene molded knobs have threaded metal inserts to eliminate thread stripping. Knobs are easily turned by hand. Knobs are UL94HB listed.

e. Bolts

Zinc plated carriage bolts are secured to inner door.

f. Glass

Safety glass (1/4") is permanently sealed with silicone.

g. Clips

Hot-dipped galvanized steel clips mechanically fasten the safety glass in place.

h. Template

Self adhesive template is provided for the exact size of duct opening required.

PACKAGING INFORMATION

Rectangular

Size	Part No.	Gauge	# Per Carton	Lbs Per Carton
**8" x 4"	D*84GA	22	10	12
10" x 6"	D*106GA	22	10	25
12" x 8"	D*128GA	22	10	35
**16" x 12"	D*1612GA	20	5	31
18" x 14"	D*1814GA	20	5	45
**24" x 18"	D*2418GA	18	3	27

* Available in Insulated (I) or Uninsulated (U), please specify
 ** Oval Shaped

Round Duct

Door Size	Duct Diameter	Part Number	
8" x 4" 22 Gauge 10 per carton 12 lbs. per carton	5" - 6"	DR*846GA	
	7" - 9"	DR*849GA	
	10" - 11"	DR*8411GA	
	12" - 14"	DR*8414GA	
12" x 8" 22 Gauge 10 per carton 35 lbs. per carton	10" - 11"	DR*12811GA	
	12" - 14"	DR*12814GA	
	15" - 16"	DR*12816GA	
	17" - 18"	DR*12818GA	
	19" - 20"	DR*12820GA	
	15" - 16"	DR*16116GA	
16" x 12" 20 Gauge 5 per carton 31 lbs. per carton	17" - 18"	DR*161218GA	
	19" - 20"	DR*161220GA	
	21" - 22"	DR*161222GA	
	23" - 24"	DR*161224GA	
	25" - 28"	DR*161228GA	
	29" - 32"	DR*161232GA	
	33" - 36"	DR*161236GA	
	37" - 60"	Consult Factory	
	24" x 18" available in 2 panel only 18 Gauge 2 per carton 25 lbs. per carton	29" - 32"	DR*241832GA
		33" - 36"	DR*241836GA
37" - 40"		DR*241840GA	
41" - 44"		DR*241844GA	
45" - 48"		DR*241848GA	
49" - 52"		DR*241852GA	
53" - 56"		DR*241856GA	
57" - 62"		DR*241862GA	
63" - 144"	Consult Factory		

* Available in Insulated (I) or Uninsulated (U), please specify

Round Duct Hi - Temp

Door Size	Duct Diameter	Part Number	
8" x 4" 22 Gauge 10 per carton 12 lbs. per carton	5" - 6"	DR846*GA	
	7" - 9"	DR849*GA	
	10" - 11"	DR8411*GA	
	12" - 14"	DR8414*GA	
12" x 8" 22 Gauge 10 per carton 35 lbs. per carton	10" - 11"	DR12811*GA	
	12" - 14"	DR12814*GA	
	15" - 16"	DR12816*GA	
	17" - 18"	DR12818*GA	
	19" - 20"	DR12820*GA	
	15" - 16"	DR161216*GA	
16" x 12" 20 Gauge 5 per carton 31 lbs. per carton	17" - 18"	DR161218*GA	
	19" - 20"	DR161220*GA	
	21" - 22"	DR161222*GA	
	23" - 24"	DR161224*GA	
	25" - 28"	DR161228*GA	
	29" - 32"	DR161232*GA	
	33" - 36"	DR161236*GA	
	37" - 60"	Consult Factory	
	24" x 18" 18 Gauge 2 per carton 25 lbs. per carton	29" - 32"	DR241832*GA
		33" - 36"	DR241836*GA
37" - 40"		DR241840*GA	
41" - 44"		DR241844*GA	
45" - 48"		DR241848*GA	
49" - 52"		DR241852*GA	
53" - 56"		DR241856*GA	
57" - 62"		DR241862*GA	
63" - 144"	Consult Factory		

* F1 for doors rated to 1000°F. F2 for doors rated to 2300°F.

Rectangular Duct Hi-Temp

Size	Part No.	Gauge	No. Per Carton	Lbs. Per Carton
8" x 4"	**D84*GA	22	10	12
10" x 6"	D106*GA	22	10	32
12" x 8"	D128*GA	22	10	50
16" x 12"	**D1612*GA	20	5	31
18" x 14"	D1814*GA	20	5	64
**24" x 18"	D2418*GA	18	3	57

* F1 for doors rated to 1000°F. F2 for doors rated to 2300°F.
 ** Oval Shaped

Clean-Out

Size	Part No.	Gauge	No. Per Carton	Lbs. Per Carton
10" x 6"	DC106GA	24	10	15
12" x 8"	DC128GA	24	10	23

Circular Clean-Out

Size	Part No.	Gauge	No. Per Carton	Lbs. Per Carton
8"	DC*8GA	24	10	12
10"	DC*10GA	24	10	17
12"	DC*12GA	22	10	26

* Available in Insulated (I) or Uninsulated (U), please specify

Observation

Size	Part No.	Gauge	No. Per Carton	Lbs. Per Carton
10" x 6"	DO106GA	22	10	25

Note: For information on our larger 16" x 12" Observation Door see our stand-alone literature.

INSTALLATION INSTRUCTIONS

1. Peel backing off template and apply to duct in desired location.
2. Opening can be cut with hand-held plasma cutter or by conventional methods.
3. Insert door into opening at an angle and tighten knobs.
4. Do not overtighten knobs or wing nuts.



LIMITED PRODUCT WARRANTY

Ductmate warrants that Sandwich Access Doors, when properly installed and maintained, will be free from defects in material and workmanship, and will comply with all written specifications made by Ductmate at the time of sale. Ductmate's warranty shall run for a period of one year from the date of manufacture.

Warranty Limitation

The warranty stated above is in lieu of all other warranties, express or implied, including but not limited to the implied warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Although Ductmate may have suggested the product, or provided written or oral advice to the Purchaser, it is the Purchaser's responsibility to test and determine the suitability of Sandwich Access Doors, for the intended use and purpose, and Purchaser and/or its customer assumes all risk and liability whatsoever regarding such suitability.

Limitation of Liability

In the event of a breach of the above warranty, Ductmate's sole obligation, and Purchaser's sole and exclusive remedy, shall be, at Ductmate's option, repair or replacement of any defective products, or refund of an applicable portion of the purchase price. Ductmate shall have no liability for costs of removal or reinstallation of the product. The Purchaser agrees that no other remedy, including but not limited to loss of profits, loss sales, injury to person or property, or any other special, incidental or consequential damages, shall be available to the Purchaser for any claim arising out of this Agreement, regardless of whether such claim is made in contract or in tort, including strict liability in tort. In no event will Ductmate be obligated to pay damages to the Purchaser in any amount exceeding the purchase price that the Purchaser paid to Ductmate for the allegedly defective product.



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