

D U C T M A T E

Access Doors



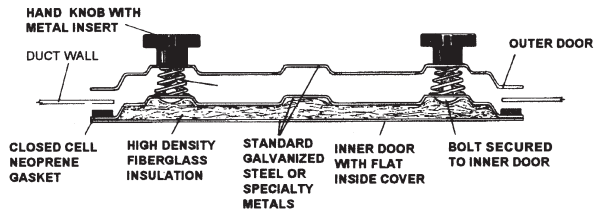
Sandwich® Access Doors

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



Rectangular



DESCRIPTION

Access door for rectangular duct.

BASIC USE

To provide easy access into air ducts and units. The door was developed to provide a solid, well-insulated, 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

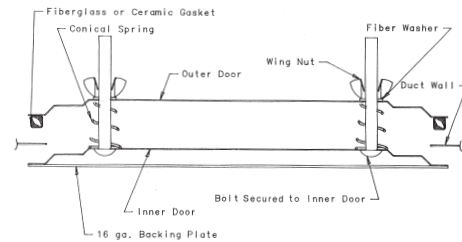
TECHNICAL INFORMATION

- a. **Panels**
The insulated Sandwich 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 FHC25/50 and R-value of 2.1. Uninsulated doors have similar construction without the backing plate and insulation.

NOTE: The 24" x 18" 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"x18" 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 panel of the access 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.

Hi-Temp



DESCRIPTION

Access door for spiral or rectangular duct.

BASIC USE

To provide easy access into grease duct or high-temp duct systems. The door was developed to provide a solid, leak resistant door that is simple to install.

High-Temp access door application approval resides with the authority having jurisdiction.

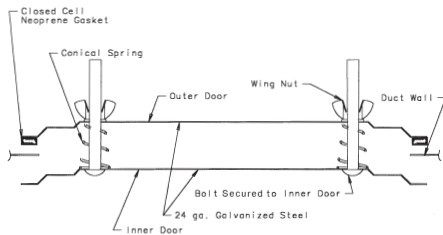
SPECIAL CHARACTERISTICS

- Available in all sizes of standard flat and spiral duct access doors
- 16 gauge black iron backing plate

TECHNICAL INFORMATION

- a. **Panels**
The Hi-Temp Access Door consists of two layers of precision stamped, hot-dipped galvanized steel and one 16 gauge black iron backing plate. The backing plate is spot welded to the inside panel.
- b. **Gasket**
For Hi-Temperature application fiberglass rope (1000°F max) is permanently bonded to the outside panel of the access door to eliminate leakage. For Grease Duct application, Ceramic Fiber Gasket (2300°F max -- meets NFPA 96 standards) is permanently bonded to the outside panel of the access door to eliminate leakage.
- c. **Springs**
Zinc plated conical springs are installed, between the inner and outer door, to facilitate opening.
- d. **Wing Nuts**
Zinc coated wing nuts are easily turned by hand.
- 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.

Circular Clean-Out



DESCRIPTION

Access door for duct cleaning.

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.

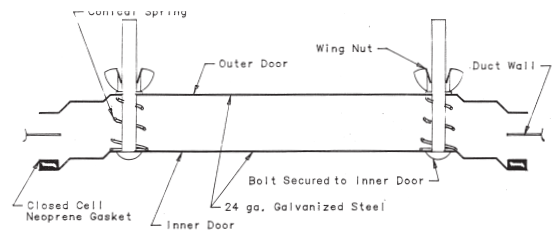
SPECIAL CHARACTERISTICS

- Insulated or Uninsulated

TECHNICAL INFORMATION

- Panels**
The Circular Access door consists of two layers of precision stamped, hot-dipped galvanized steel.
- 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 outside panel of the access door to eliminate leakage.
- Springs**
Zinc plated conical springs are installed over the bolts, between the inner and outer door, to facilitate opening.
- Wing Nuts**
Zinc coated wing nuts are easily turned by hand without tools.
- Bolts**
Zinc plated carriage bolts are secured to inner door.
- Insulation**
A polyester foam pad installed between the inner and outer panel.

Clean-Out



DESCRIPTION

Uninsulated access door for duct cleaning.

BASIC USE

To provide easy access into air ducts and units.

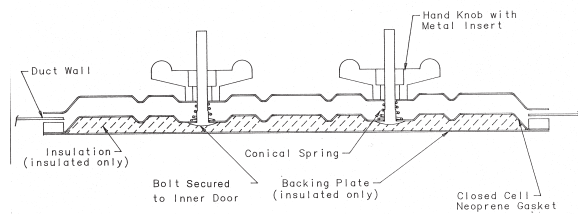
SPECIAL CHARACTERISTICS

- Our lowest cost door

TECHNICAL INFORMATION

- Panels**
The Clean-Out Access door consists of two layers of precision stamped, hot-dipped galvanized steel.
- 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.
- Springs**
Zinc plated conical springs are installed, between the inner and outer door, to facilitate opening.
- Wing Nuts**
Zinc coated wing nuts are easily turned by hand.
- Bolts**
Zinc plated carriage bolts are secured to inner door.
- Template**
Self adhesive template is provided for the exact size of duct opening required.

Spiral Duct



DESCRIPTION

Access door for spiral 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

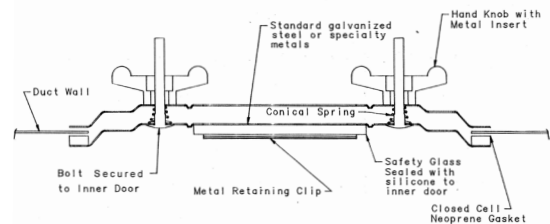
TECHNICAL INFORMATION

- a. **Panels**
The insulated Spiral Duct Access Door consists of three layers of precision stamped steel. The inside panel consists of two layers of metal which are spotwelded together along the rim, encapsulating high density fiberglass insulation with Ecosse® Technology UL classified FHC 25/50 and R-value of 2.1. 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. positive/negative

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

‡ 24"x18" available in 2 panel only

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

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

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

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

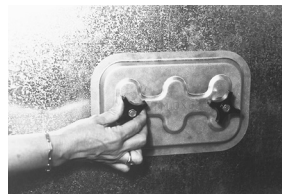
1. Peel backing off template and apply to duct in desired location.
2. Opening can be cut with hand-held plasma cutter or by conventional methods.



3. Insert door into opening at an angle and tighten knobs.



4. Do not overtighten knobs or wing nuts.



Spiral Duct

Door Size	Duct Diameter	Part Number
8" x 4"	5" - 6"	DR*846GA
22 Gauge	7" - 9"	DR*849GA
10 per carton	10" - 11"	DR*8411GA
12 lbs. per carton	12" - 14"	DR*8414GA
10" x 6"	6" - 7"	DR*1067†GA
22 Gauge	8" - 9"	DR*1069†GA
10 per carton	10" - 12"	DR*10612†GA
20 lbs. per carton	13" - 14"	DR*10614†GA
	15" - 16"	DR*10616†GA
	17" - 20"	DR*10620†GA
	21" - 24"	DR*10624†GA
	25" - 28"	DR*10628†GA
12" x 8"	10" - 11"	DR*12811GA
22 Gauge	12" - 14"	DR*12814GA
10 per carton	15" - 16"	DR*12816GA
35 lbs. per carton	17" - 18"	DR*12818GA
	19" - 20"	DR*12820GA
16" x 12"	15" - 16"	DR*161216GA
20 Gauge	17" - 18"	DR*161218GA
5 per carton	19" - 20"	DR*161220GA
31 lbs. per carton	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"	29" - 32"	DR*241832GA
available in	33" - 36"	DR*241836GA
2 panel only	37" - 40"	DR*241840GA
18 Gauge	41" - 44"	DR*241844GA
2 per carton	45" - 48"	DR*241848GA
25 lbs. per carton	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

Spiral Duct Hi - Temp

Door Size	Duct Diameter	Part Number
8" x 4"	5" - 6"	DR846*GA
22 Gauge	7" - 9"	DR849*GA
10 per carton	10" - 11"	DR8411*GA
12 lbs. per carton	12" - 14"	DR8414*GA
10" x 6"	6" - 7"	DR1067**†GA
22 Gauge	8" - 9"	DR1069**†GA
10 per carton	10" - 12"	DR10612**†GA
20 lbs. per carton	13" - 14"	DR10614**†GA
	15" - 16"	DR10616**†GA
	17" - 20"	DR10620**†GA
	21" - 24"	DR10624**†GA
	25" - 28"	DR10628**†GA
12" x 8"	10" - 11"	DR12811*GA
22 Gauge	12" - 14"	DR12814*GA
10 per carton	15" - 16"	DR12816*GA
35 lbs. per carton	17" - 18"	DR12818*GA
	19" - 20"	DR12820*GA
16" x 12"	15" - 16"	DR161216*GA
20 Gauge	17" - 18"	DR161218*GA
5 per carton	19" - 20"	DR161220*GA
31 lbs. per carton	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"	29" - 32"	DR241832*GA
18 Gauge	33" - 36"	DR241836*GA
2 per carton	37" - 40"	DR241840*GA
25 lbs. per carton	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.

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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