

Access Doors




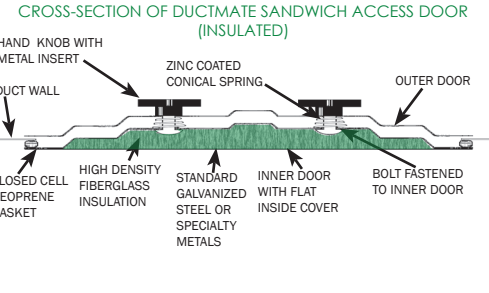
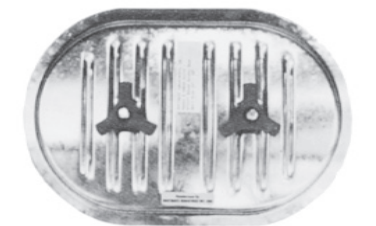
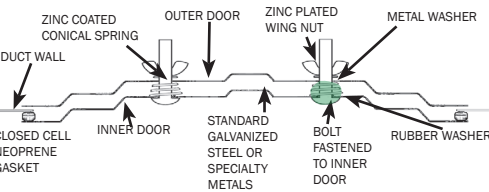

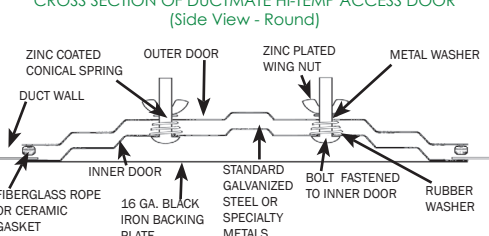

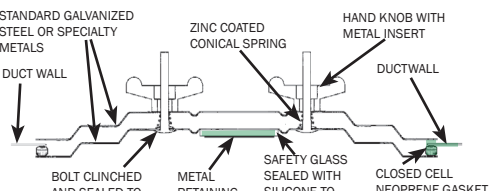
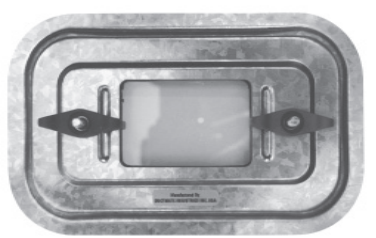
Access Doors

Access Doors

DUCTMATE®

THE SANDWICH DOOR

- Advanced pressure vessel design
- Air tight
- No measuring (self-adhesive template provided)
- Effortless opening & closing (no tools required)
- No frames to install or seal
- Shape provides a better access area

RECTANGULAR		<ul style="list-style-type: none"> • Fully insulated or uninsulated • Smooth interior surface on insulated doors • Tested to 20" w.g. positive and 10" negative. (Please specify when ordering doors for negative pressure applications.) 	<p>CROSS-SECTION OF DUCTMATE SANDWICH ACCESS DOOR (INSULATED)</p> 
ROUND		<ul style="list-style-type: none"> • Insulated doors are recommended for negative pressure applications. • Meets FDA requirements • EDGE PRO rubber edge guards are available on request 	<p>CROSS SECTION OF DUCTMATE SANDWICH ACCESS DOOR (UNINSULATED AND CLEAN-OUT) (Clean Out 10x6 - 12x8 only)</p> 
CIRCULAR CLEAN-OUT		<ul style="list-style-type: none"> • No frame to install and seal • Circular opening effective for duct cleaning • Effortless opening & closing • Meets FDA requirements • EDGE PRO rubber edge guards are available on request 	<p>CROSS SECTION OF DUCTMATE HI-TEMP ACCESS DOOR (Side View - Round)</p> 
HIGH TEMP		<ul style="list-style-type: none"> • For High-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. 	<p>CROSS SECTION OF DUCTMATE OBSERVATION DOOR (10x6 only)</p> 
OBSERVATION		<ul style="list-style-type: none"> • 4" X 2-5/8" viewport • Safety glass window • Available in 10" x 6" only 	<p>SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE</p>

Access Doors

INSTALLATION INSTRUCTIONS

1
PEEL BACK OFF TEMPLATE AND APPLY TO DUCTWORK IN DESIRED LOCATION

2
OPENING CAN BE MADE 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. NEOPRENE GASKET ASSURES AIRTIGHT SEAL

ORDERING INFORMATION

(Samples: DRI161236GA; WRI161236GA)

DUCTMATE Access Doors

Door Type	Insulation *	Door Size	Duct Diameter (for round duct only)		High Temp Door Class **	Alloy	
D = Rect. or Hi-Temp Rect. DR = Round or Hi-Temp Round DC = Clean Out DO = Observation DC = Circular	I = Insulated U = Uninsulated	<u>Rectangular Doors</u>		6 = 5" - 6"	28 = 25" - 28"	F1 - 1000° F F2 - 2300° F	GA = GALVANIZED GN = GALVANNEALED AZ = ALUMINIZED S4 = 304 STAINLESS S6 = 316 STAINLESS BI = BLACK IRON PVC=PVC Coated Available in 24" x 18" un-insulated models only.
		84 = 8" x 4" (oval shaped) 106 = 10" x 6" 128 = 12" x 8" 1814 = 18" x 14" 2418 = 24" x 18" (oval shaped) ***		9 = 7" - 9" 11 = 10" - 11" 14 = 12" - 14" 16 = 15" - 16" 18 = 17" - 18" 20 = 19" - 20" 22 = 21" - 22" 24 = 23" - 24"	32 = 29" - 32" 36 = 33" - 36" 40 = 37" - 40" 44 = 41" - 44" 48 = 45" - 48" 52 = 49" - 52" 56 = 53" - 56" 62 = 57" - 62"		
		<u>Round Doors</u>	<u>(Fits Duct Dia.)</u>				
		84 = 8" x 4" 128 = 12" x 8" 1612 = 16" x 12" 2418 = 24" x 18"	5" - 14" 10" - 20" 17" - 60" 29" - 60"				

W.D.C.I. Access Doors (all are oval shaped)

Door Type	Insulation *	Door Size	Duct Diameter (for round duct only)		High Temp Door Class **	Alloy*	
W = Flat WR = Round	I = Insulated U = Uninsulated	<u>Rectangular Doors</u>		7 = 5" - 7"	32 = 29" - 32"	F1 - 1000° F F2 - 2300° F	GA = GALVANIZED GN = GALVANNEALED AZ = ALUMINIZED S4 = 304 STAINLESS S6 = 316 STAINLESS BI = BLACK IRON
		106 = 10" x 6" 1612 = 16" x 12" 2418 = 24" x 18"		9 = 8" - 9" 12 = 10" - 12" 14 = 13" - 14" 16 = 15" - 16" 20 = 17" - 20" 24 = 21" - 24" 28 = 24" - 28"	36 = 33" - 36" 40 = 37" - 40" 44 = 41" - 44" 48 = 45" - 48" 52 = 49" - 52" 56 = 53" - 56" 60 = 57" - 60"		
		<u>Round Doors</u>	<u>(Fits Duct Dia.)</u>				
		84 = 8" x 4" 106 = 10" x 6" 128 = 12" x 8" 1612 = 16" x 12" 2418 = 24" x 18"	5" - 14" 5" - 28" 10" - 20" 17" - 60" 29" - 60"				
				(over 60" consult factory)			

*INSULATION CLASSIFICATION ONLY USED WHEN USING PREFIXES D OR DR

**ONLY USED WHEN ORDERING HIGH TEMPERATURE DOORS

NOTE: ALL ACCESS DOORS MAY NOT BE AVAILABLE IN ALL ALLOYS

***NOTE: THE DUCTMATE 24" X 18" ACCESS DOOR, AND ALL W.D.C.I. DOORS CONSIST OF ONLY TWO LAYERS OF PRECISION STAMPED STEEL. A POLYESTER FOAM PAD INSTALLED BETWEEN THE INNER AND OUTER DOOR PANELS PROVIDES INSULATION.

Square Framed Access Doors

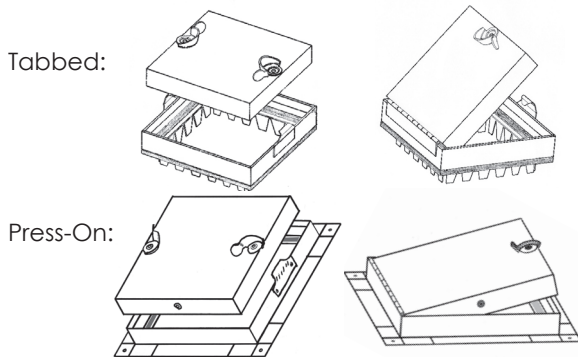
STANDARD CHARACTERISTICS OF DUCTMATE SQUARE FRAMED ACCESS DOORS

- DOUBLE GASKETED
- INSULATED
- PRECISION DESIGNED AND MANUFACTURED
- AVAILABLE IN SPECIALTY METALS

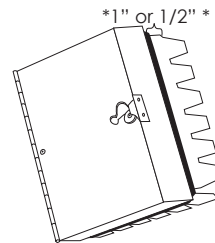
TECHNICAL INFORMATION

- High density fiberglass insulation with UL classification: FHC25/50.
- Door consists of two, 24 gauge galvanized steel panels, mechanically locked together.
- Meets SMACNA requirements for low pressure doors
- Closed cell cross-linked polyethylene gasketing is bonded to the inside of both the Dovetail frame and Press-On frames, and also to the outside of the Dovetail frame only
- Both closed cell cross-linked polyethylene gaskets combine creating a service temperature range of -70°F to 175° F.
- Frames measuring 6" x 6" to 12" x 12" are manufactured from 24 gauge galvanized steel. Frames measuring 14" x 14" to 24" x 24" are manufactured from 22 gauge steel.
- Double-sided adhesive gasket: closed cell cross-linked polyethylene is UL 94HF1 listed with a temperature range -110°F
- Dovetail frames have an improved design for easy installation on Metal Ductwall, 1" Duct Board or 1 1/2" Duct Board.* Press-On frames have a double sided neoprene for easy installation to metal ductwork
- Hinged Models come with full length piano hinge secured to both the door and frame.
- All cams are manufactured from 16 gauge galvanized steel and secured to the door with a rivet.
- All latches are manufactured from 20 gauge galvanized steel and securely fastened to the frame.

Doors For Metal Ductwall



Doors for Duct Board



* Doors can be manufactured with dovetailed flange in extended widths to accommodate 1" or 1 1/2" thick Duct Board.

ORDERING INFORMATION

EXAMPLE: FD1C10GA

Door Type	Frame Type	Closure	Sizes:**		Alloy
FD = Framed Door	1 = 1" Duct Board 15 = 1 1/2" Duct Board P = Press-On Frame	C = Cam Latch H = Hinge	6 = 6" x 6" 8 = 8" x 8" 10 = 10" x 10" 12 = 12" x 12" 14 = 14" x 14"	16 = 16" x 16" 18 = 18" x 18" 20 = 20" x 20" 24 = 24" x 24"	GA = Galvanized GN = Galvanneal AL = Aluminum AZ = Aluminized S4 = 304 Stainless S16 = 316 Stainless

** Note: Sizes Larger Than 14": Hinged: Two Cams Are Attached Opposite The Hinge -- Cam Latch: Four Cams Are Attached

PACKAGING INFORMATION

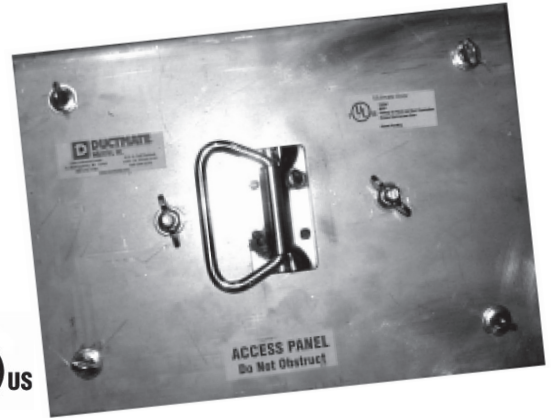
Door Sz.	6"	8"	10"	12"	14"	16"	18"	20"	24"
No. / Carton	20	20	10	10	10	5	5	5	5
Lbs / Carton	31	45	30	39	50	30	38	45	60

UL Rated Grease Duct Door

ULTIMATE DOOR™

Patent #6505441

- UL 1978 Listed
- I.C.C. tested and approved as a complete system when used with Unifrax™ and Thermal Ceramics™ wrap systems
- Easy to install Sandwich design dramatically reduces installation time
- Eliminates the need for welding
- Minimal penetration into the duct
- Door is completely removed for easy cleaning
- Grease tight
- Can be used with all types of high-temperature insulation
- No need for clips
- No need for any drilling, and no special tools required
- Available in a variety of sizes
- Meets NFPA 96 standards
- Meets all mechanical codes
- 2300° rated ceramic board completely covers the outer plate



Listed
88VF
Fittings for Hood and Duct Penetration
Grease Duct Access Door

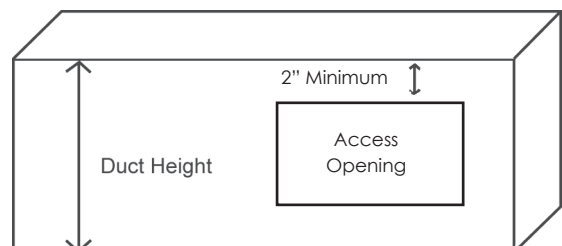
Ultimate Door Packaging Info and Sizing Guidelines

*INSERT S4 FOR STAINLESS STEEL AND BI FOR BLACK IRON

Part #	Description	Opening Size	Door Size	Min. Duct Height	Packaging QTY.	Weight (lbs.)
D66UL*	UL Door Only	6"x6"	8"x8"	13"	5	25.3
D66ULWS*	UL Door w/Insulation Kit & 12x12 Outer Plate	6"x6"	8"x8"	13"	5	45.0
D106UL*	UL Door Only	10"x6"	12"x8"	14"	5	39.0
D106ULWS*	UL Door w/Insulation Kit & 16x12 Outer Plate	10"x6"	12"x8"	14"	5	63.0
D1010UL*	UL Door Only	10"x10"	12"x12"	19"	5	57.0
D1010ULWS*	UL Door w/Insulation Kit & 16x16 Outer Plate	10"x10"	12"x12"	19"	4	70.0
D128UL*	UL Door Only	12"x8"	14"x10"	17"	5	55.9
D128ULWS*	UL Door w/Insulation Kit & 18x14 Outer Plate	12"x8"	14"x10"	17"	4	70.0
D1814UL*	UL Door Only	18"x14"	20"x16"	26"	2	68.0
D1814ULWS*	UL Door w/Insulation Kit & 24x20 Outer Plate	18"x14"	20"x16"	26"	2	68.0
D2020UL*	UL Door Only	20"x20"	22"x22"	35"	1	36.0
D2020ULWS*	UL Door w/Insulation Kit & 26x26 Outer Plate	20"x20"	22"x22"	35"	1	49.0
D2418UL*	UL Door Only	24"x18"	26"x20"	32"	1	39.6
D2418ULWS*	UL Door w/Insulation Kit & 30x24 Outer Plate	24"x18"	26"x20"	32"	1	50.63
ULINSULKIT	Kit 1: Four 8" extension studs, washers, wing nuts, "Do Not Obstruct" sticker, & Installation Instructions	-	-	-	5	1.12
OP_UL* INSERT SIZE	Kit 2 UL Door Outer Plate	-	-	-	1	Consult Factory

In order to use the minimum duct height, the door must be installed with it's longest dimension running horizontally along the length of the duct.

If the minimum duct height is used, the top of the opening must be 2" from the top of the duct. For every inch over the minimum duct height, the opening can be lowered 1" from the top of the duct.



UL Rated Grease Duct Door

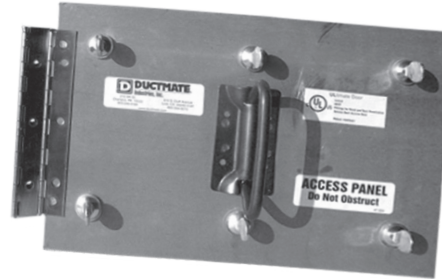
ULTIMATE DOOR II™

Easy to Install Weld-On Sandwich Design



Fittings for Hood & Duct Penetration Grease Duct Access Door

- UL 1978 Listed
- I.C.C. tested and approved as a complete system when used with Unifrax™ and Thermal Ceramics™ wrap systems
- Available with optional hinge
- No special tools required to remove
- Minimal penetration into the duct
- Dramatically reduces installation time
- Grease and air tight
- Meets NFPA 96 Standards
- Meets all mechanical codes
- Union Made in the U.S.A.
- 2300° rated ceramic board completely covers the outer plate
- Can be used with all types of high temperature duct
- No need for any clips



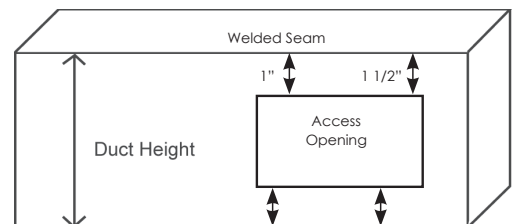
- Unique collapsible handle design for easy installation

Ultimate Door II WELD ON Packaging Info and Sizing Guidelines

*INSERT S4 FOR STAINLESS STEEL AND BI FOR BLACK IRON

Part #	Description	Opening Sz.	Door Sz.	Min. Duct Ht.		Packaging QTY.	Weight (lbs.)
				Welded Seam	Pittsburgh Lock		
DW66UL* DWH66UL*	UL Door Only	6"x6"	8"x8"	8"	9"	5	20.0 23.0
DW66ULWS* DWH66ULWS*	UL Door w/Insulation Kit & 12x12 Outer Plate	6"x6"	8"x8"	8"	9"	5	26.7 42.5
DW106UL* DWH106UL*	UL Door Only	10"x6"	12"x8"	8"	9"	5	38.1 32.5
DW106ULWS* DWH106ULWS*	UL Door w/Insulation Kit & 16x12 Outer Plate	10"x6"	12"x8"	8"	9"	5	34.95 56.5
DW1010UL* DWH100ULWS*	UL Door Only	10"x10"	12"x12"	12"	13"	5	40.0 40.9
DW1010ULWS* DWH1010ULWS*	UL Door w/Insulation Kit & 16x16 Outer Plate	10"x10"	12"x12"	12"	13"	4	53.0 53.7
DW128UL* DWH128UL*	UL Door Only	12"x8"	14"x10"	10"	11"	5	32.6 34.0
DW128ULWS* DWH128ULWS*	UL Door w/Insulation Kit & 18x14 Outer Plate	12"x8"	14"x10"	10"	11"	4	53.0 52.0
DW1814UL* DWH1814UL*	UL Door Only	18"x14"	20"x16"	16"	17"	2	20.0 23.0
DW1814ULWS* DWH1814ULWS*	UL Door w/Insulation Kit & 24x20 Outer Plate	18"x14"	20"x16"	16"	17"	2	20.0 23.0
DW2020UL* DWH2020UL*	UL Door Only	20"x20"	22"x22"	22"	23"	1	34.95 56.5
DW2020ULWS* DWH2020ULWS*	UL Door w/Insulation Kit & 26x26 Outer Plate	20"x20"	22"x22"	22"	23"	1	20.0 23.0
DW2418UL* DWH2418UL*	UL Door Only	24"x18"	26"x20"	20"	21"	1	20.0 23.0
DW2418ULWS* DWH2418ULWS*	UL Door w/Insulation Kit & 30x24 Outer Plate	24"x18"	26"x20"	20"	21"	1	36.0 36.8
ULINSULKIT	Kit 1: Four 8" extension studs, washers, wing nuts, "Do Not Obstruct" sticker, & Installation Instructions	-	-	-	-	5	1.12
OP_UL* INSERT SIZE	Kit 2 UL Door Outer Plate	-	-	-	-	1	Consult Factory

Unlike the ULtimate sandwich style door, the ULtimate II WELD ON door requires no additional clearance. The duct only needs to be large enough to accommodate the frame. The frame extends 1" past each side of the opening, therefore a minimum of 1" clearance is required on each side of the opening when duct incorporates a welded longitudinal seal. Remember an internal longitudinal seam could take up extra space and prevent the frame from properly attaching in the case of a minimum size duct. In order to use the minimum duct height, the door must be installed with it's longest dimension running horizontally along the length of the duct.



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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