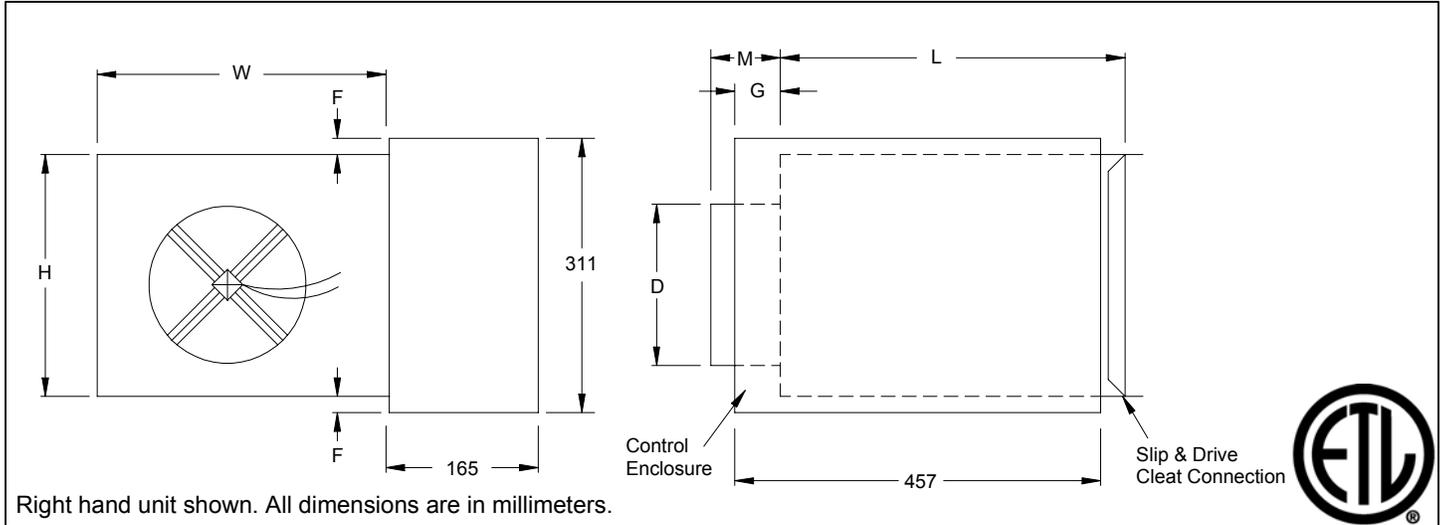


DESV

Single Duct Terminal Unit
Direct Digital Control, Pressure Independent



Inlet Size	l/s Range	D	F	G	H	L	M	W
4	0-106	98	54	187	203	394	137	305
5	0-165	124	54	187	203	394	137	305
6	0-236	149	54	187	203	394	86	305
7	0-307	175	29	187	254	394	86	305
8	0-425	200	29	187	254	394	86	305
9	0-496	225	-	137	318	394	86	356
10	0-661	251	-	137	318	394	86	356
12	0-944	302	-	137	381	394	86	406
14	0-1416	352	-	86	445	394	86	508
16	0-1888	403	-	86	457	394	86	610
24 x 16	0-3775	606 x 403	29	137	457	381	86	965

Accessories (Optional)

Check if provided.

- | | | |
|--|--|---|
| <input type="checkbox"/> 24 V Control Transformer | <input type="checkbox"/> SteriLoc Liner | <input type="checkbox"/> Bottom Access Door |
| <input type="checkbox"/> Dust Tight Enclosure Seal | <input type="checkbox"/> UltraLoc Liner | <input type="checkbox"/> Disconnect Switch |
| <input type="checkbox"/> Fibre Free Liner | <input type="checkbox"/> 25mm Fiberglass Liner | <input type="checkbox"/> Hanger Brackets |

General Description

- Heavy gauge steel housing. Mechanically sealed and gasketed, leak resistant construction. Less than 2% of nominal l/s at 375 Pa.
- Dual density internal insulation, treated to resist air erosion. Meets requirements of NFPA 90A and UL 181.
- Rectangular discharge opening is designed for slip and drive cleat duct connection.
- Multipoint center averaging inlet velocity sensor.
- Digital control packages can be factory mounted by Titus.
- Choice of right hand or left hand control location.
- Model DESV can be installed horizontally, vertically, or at any angle. Operation is not affected by position.
- Gauge tees for l/s measurement.

Accessories (Optional)

Hot Water Coil Section

- 13mm copper tubes
- Aluminum ripple fins, 10 per inch
- Connections: Single circuit, 13mm O.D. male solder. Multi-circuit, 22mm O.D., male solder.
- Coil is installed at discharge of unit.
- On units with attenuators, coil are installed at the discharge of attenuator.

1 Row
 2 Row
 3 Row
 4 Row

Electric Coil Section

Standard Features

- Single side access to low voltage, high voltage, and electric heater controls.
- Automatic reset thermal cutouts, one per element
- Manual reset secondary protection.
- Positive pressure flow switch
- Magnetic contactor for each step.
- Slip and drive cleat discharge duct connection.

Optional SCR Controlled Electric Heater

Options

- Fuse Block
- Disconnect switch, door interlock type
- Dust tight construction

Supply Voltage

- 208V, 1 ph, 60Hz
- 240V, 1 ph, 60Hz
- 277V, 1 ph, 60Hz
- 208V, 3 ph, 60Hz
- 480V, 3 ph, 60Hz (4 wire wye standard)

Integral Sound Attenuator

Inlet Size	H	W	Water Coil	
			L (1-2 Row)	L (3-4 Row)
4	203	305	127	184
5	203	305	127	184
6	203	305	127	184
7	254	305	127	184
8	254	305	127	184
9	318	356	127	184
10	318	356	127	184
12	381	406	127	184
14	445	508	191	248
16	457	610	191	248
24 x 16	457	965	127	184

The total length of the DESV unit is the summation of the unit length (with or without attenuator) and the length of the optional water coil.

This submittal is meant to demonstrate general dimensions of this product. The drawings are not meant to detail every aspect of the product. Drawings are not to scale. Titus



reserves the right to make changes without written notice.

605 Shiloh Road • Plano, Texas 75074 • 972-212-4800