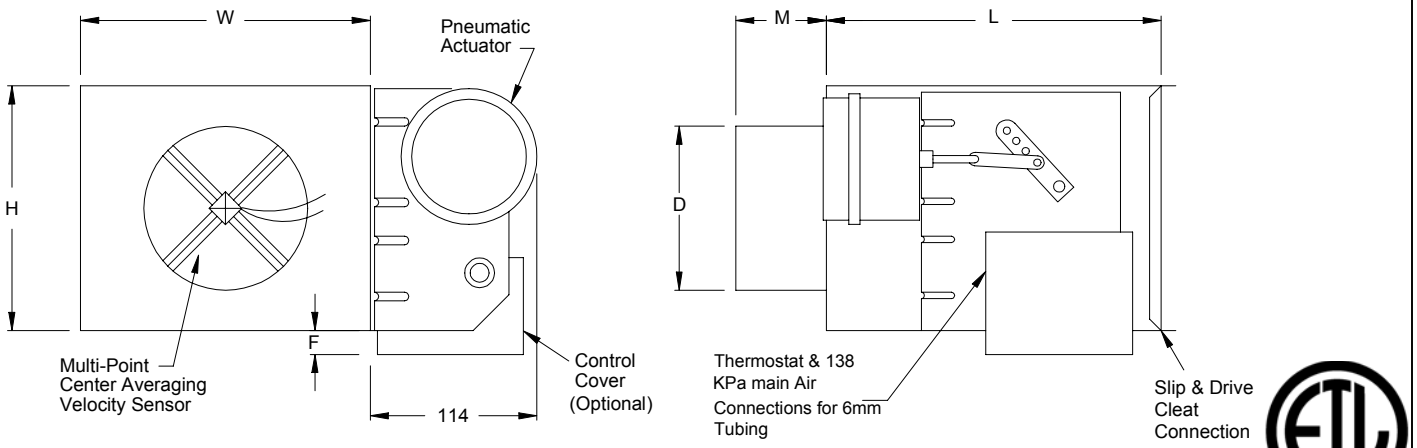
PESV

Single Duct Terminal Unit
Pneumatic Control, Pressure Independent



Right hand unit shown. All dimensions are in millimeters.

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

Accessories (Optional)

Check ☑ if provided.

- ☐ Titus I Velocity Controller
- ☐ Titus II Velocity Controller
- ☐ Fibre Free Liner
- ☐ SteriLoc Liner
- ☐ UltraLoc Liner
- ☐ 25mm Fiberglass Liner
- ☐ Bottom Access Door
- ☐ Protective Metal Control Cover
- ☐ Hanger Brackets
- ☐ _____

General Description

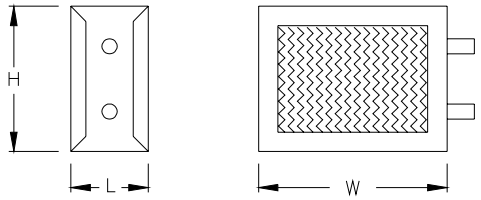
- Heavy gauge steel housing. Mechanically sealed and gasketed, leak resistant construction. Less than 2% of nominal l/s at 375 Pa.
- Dual density internal insulation, treated to resist air erosion. Meets requirements of NFPA 90A and UL 181.
- Rectangular discharge opening is designed for slip and drive cleat duct connection.
- Multipoint center averaging inlet velocity sensor.
- Units equipped with the Titus II velocity controller can either be direct acting or reverse acting, with the damper either normally open or normally closed. Controller maintains constant span and start point. (Span and start point are adjustable.)
- Units equipped with the Titus I velocity controller are available in both direct acting / normally open and reverse acting / normally closed operating modes.
- Gauge tees for l/s measurement.
- Choice of right hand or left hand control location.

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

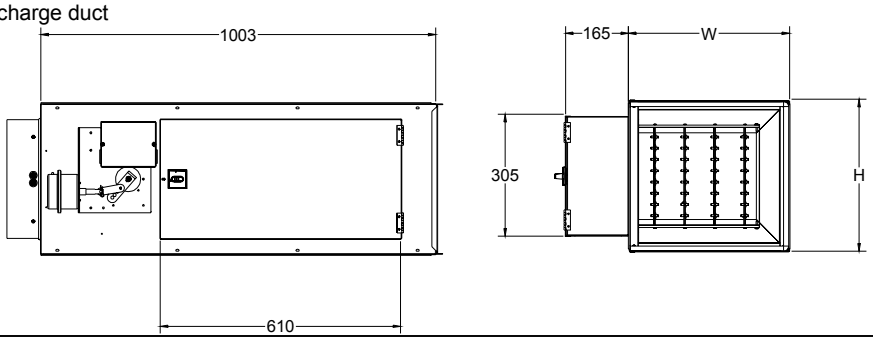
- Single side access to low voltage, high voltage, and electric heater controls.
- Automatic reset thermal cutouts, one per element
- Manual reset secondary protection.
- Positive pressure flow switch
- Magnetic contactor for each step.
- Slip and drive cleat discharge duct connection.

Options

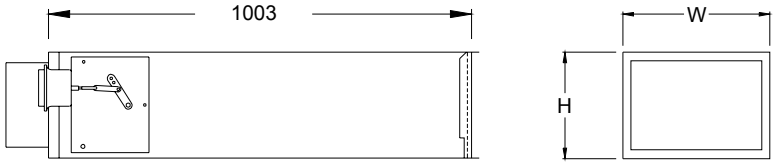
☐ Fuse Block
☐ Disconnect switch, door interlock type
☐ Dust tight construction

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 PESV 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.

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

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording, or by any information storage retrieval system without permission in writing from Air Distribution Technologies