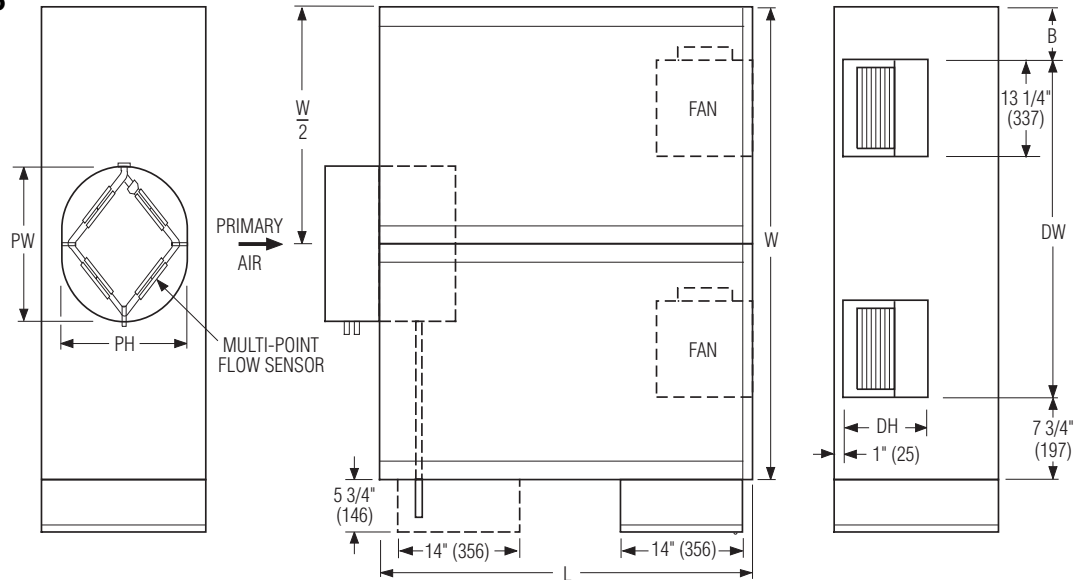




FAN POWERED PRESSURIZATION TERMINAL UNIT
SERIES FLOW • CONSTANT VOLUME
MODELS: 35S-CVP, 35SW-CVP AND 35SE-CVP
UNIT SIZE 7

Model 35S-CVP



Dimensional Data

Unit Size	Inlet Size	PW x PH	W	H	L	B	Outlet Discharge DW x DH
7	14 (356) rnd.	13 3/8 (352)	52 (1321)	18 (457)	41 (1041)	5 (127)	39 1/4 x 11 1/2 (997 x 292)
	16 (407) rnd.	15 3/8 (403)					
	*18 (457) oval	20 3/8 x 13 3/8 (513 x 352)					

* Flat oval inlets

APPLICATION:

'Smart' Brushless DC motor technology provides continuous monitoring, automatic compensation and precise control and maintenance of discharge airflow regardless of discharge static pressure variations incurred by a HEPA filter. Available in three unit sizes, suitable for 200 – 3000 cfm (94 – 1416 l/s) zone designs with up to a maximum total external discharge static pressure of 1.0" w.g. (250 Pa).

Ideally suited to clean room applications such as hospital isolation wards, operating rooms, pharmaceutical and biotechnology manufacturing and research facilities.

DESCRIPTION:

- 16 ga. (1.6) galv. steel channel frame with 20 ga. (1.0) casing components.
- 16 ga. (1.6) galvanized steel inclined opposed blade primary air damper. 45° rotation. CW to close.
- Multi-point averaging 'Diamond' flow sensor.

Electrical Data

Unit Size	Motor H. P.	ECM FLA			
		120/1/60	208/1/60	240/1/60	277/1/60
7	*	25.2	21.0	17.3	10.9

* The ECM is a variable horsepower motor. Refer to Selectwoks Schedule. FLA = Full load amperage

- Low leakage access panels on all 4 sides.
- Ultra Energy efficient ECM fan motor with overload protection and Nailor EPIC volume controller.
- Solid metal 'IAQ' liner. Meets requirements of NFPA 90A and UL 181.
- Single point electrical connection.
- Discharge opening for flanged duct connection.
- Controls mounted as standard on RH side as shown. Terminals ordered with LH controls (optional) are inverted and discharge duct hanging elevation will therefore change.

OPTIONS:

- Fan unit fusing.
- Toggle disconnect switch.
- Hanger brackets.
- Left hand control location option.
- Special features _____

SCHEDULE TYPE:
PROJECT:
ENGINEER:
CONTRACTOR:

Page 1 of 2.
 Dimensions are in inches (mm).

DATE	B SERIES	SUPERSEDES	DRAWING NO.
9 - 19 - 11	3500	NEW	35S-CVP-2



FAN POWERED PRESSURIZATION TERMINAL UNIT
SERIES FLOW • CONSTANT VOLUME
HEAT ACCESSORIES
MODELS: 35SW-CVP AND 35SE-CVP • UNIT SIZE 7

Hot Water Coil Section Model 35SW-CVP

Standard Features:

- Coil section installed on unit discharge.
- Coil (and header on multi-circuit units) is installed in insulated casing for increased thermal efficiency.
- 1/2" (13) copper tubes.
- Aluminum ripple fins.
- Sweat Connections: Size 3 one row 1/2" (13) O.D. male solder. All other 7/8" (22) O.D. male solder.
- Top and bottom access panels for inspection and coil cleaning. Caulked for low leakage.
- Flanged outlet duct connection.

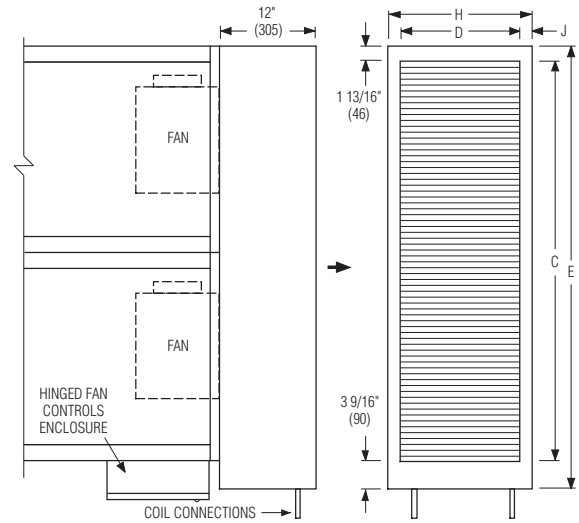
Coil Rows:

- 1-Row 2-Row 3-Row

Coil Hand Connections:

(Looking in direction of airflow).

- Right hand (illustrated). Standard.
 Left hand. Optional.



Unit Size	Outlet Duct Size C x D	E	H	J
7	50 x 14 1/8 (1270 x 378)	55 3/8 (1407)	18 (457)	1 1/8 (40)

Electric Coil Section Model 35SE-CVP

Standard Features:

- Unique hinged heater design permits easy access, removal and replacement of heater element without disturbing ductwork.
- Coil installed on unit discharge.
- Insulated coil element wrapper.
- Automatic reset high limit cut-outs (one per element).
- Single point electrical connection for entire terminal unit.
- Positive pressure airflow switch.
- Flanged outlet duct connection.
- Terminal unit with coil is ETL Listed as an assembly.
- Controls mounted as standard on RH side as shown. Terminals ordered with LH controls (optional) are inverted and discharge duct hanging elevation will therefore change.

Voltage:

Single phase, 60 Hz.

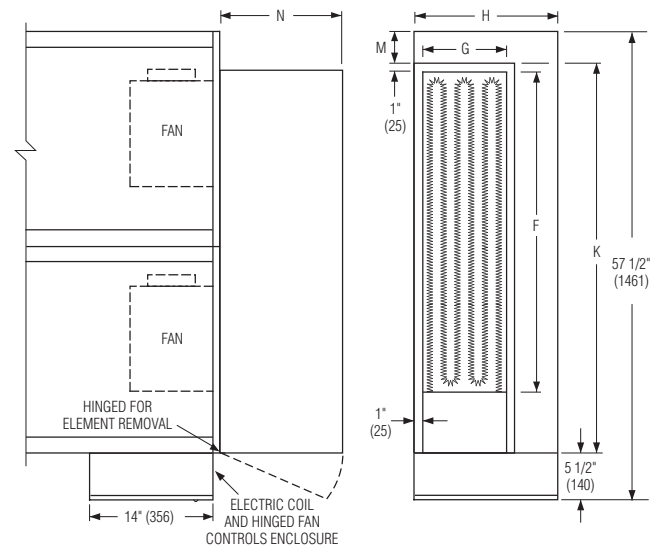
- 120V 208V 240V 277V

Three phase, 60 Hz.

- 208V 480V (4 wire wye). 600V

Options:

- Toggle disconnect switch (includes fan). Class 'A' 80/20 Ni./Ch. wire.
 Door interlock disconnect switch. Dust tight construction.
 Mercury contactors. Manual reset secondary thermal cut out.
 Power circuit fusing. SCR Control.



Unit Size	Outlet Duct Size F x G	K	H	M	N
7	40 3/4 x 11 3/4 (1022 x 298)	48 (1219)	18 (457)	4 (102)	15 3/4 (387)

SCHEDULE TYPE:				
PROJECT:				
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	9 - 19 - 11	3500	NEW	35S-CVP-2