

VERTICAL DESIGNS

3, 4 and 5-Stage Compressors

- › **Pressure**
5000 to 7000 psig
345 to 483 bar
- › **Capacity**
3.5 to 22 scfm
100 to 623 l/min
- › **Power**
5 to 20 hp
3.7 to 15 kw



The new Vertical series from the technology leader in high pressure offers space-saving designs suitable for the most demanding requirements.

Open models offer a budget conscious practical solution while enclosed models can be installed in occupied spaces. Both styles include a full-featured control system for unattended automatic operation. The vertical series offers the perfect continuous-duty rated solutions for a wide variety of applications.

Vertical Designs

STANDARD SCOPE OF SUPPLY

- › Multi-stage, air cooled, pressure lubricated, continuous-duty rated reciprocating compressor
- › Electric motor (ODP) with v-belt drive, belt guard and belt tensioning device
- › Automatic condensate drain with condensate collector. Collector includes switch for high condensate level.
- › Automatic operation with PLC controller. Includes operator keypad and text display for operation, maintenance and troubleshooting
- › NEMA 4 rated electrical enclosure with UL listed control panel
- › Fused control voltage transformer
- › Hour meter and temperature switch
- › Pressure sensors for oil pressure and final pressure
- › Emergency stop push button
- › Audible alarm
- › Ambient temperature range 40° to 113° F
- › 12 month warranty

Verticus models

- › Interstage pressure gauges
- › Sound attenuated enclosure
MINI VERTICUS: 70 dBA MAXI VERTICUS: 79 dBA

AVAILABLE ACCESSORIES

- › BAUER air purification system with SECURUS
- › Interstage pressure gauges (VERTECON only)
- › TEFC motor
- › Machine feet
- › Extended base for compressor and 2 storage cylinders

DIMENSIONS L x W x H inches (mm)

- › VERTECON 45 x 32.5 x 55 (1143 x 826 x 1397)
- › MINI VERTICUS 49.5 x 29.5 x 58 (1257 x 749 x 1473)
- › MAXI VERTICUS 52 x 34 x 65.5 (1321 x 864 x 1664)

WEIGHT pounds (kg)

- › VERTECON 550 - 660 (250 - 300)
- › MINI VERTICUS 880 - 950 (400 - 432)
- › MAXI VERTICUS 1100 - 1225 (500 - 556)

Technical Data

Model	Capacity FAD ¹⁾		Number of stages	Motor		Drive	Recommended purification system
	scfm	l/min		hp	kw		
5000 psig (345 bar)							
100	5	142	3	5	3.7	E1 / E3	P2 SECURUS
120	7.3	207	3	7.5	5.5	E1 / E3	P2 SECURUS
15.1	11.5	325	4	10	7.5	E1 / E3	P5 SECURUS
150	17.5	500	4	15	11	E3	P5 SECURUS
180	22	623	4	20	15	E3	P10 SECURUS
6000 psig (414 bar)							
100H	3.5	100	3	5	3.7	E1 / E3	P2 SECURUS
12.4	8.6 - 10.5	244 - 300	4	7.5 - 10	5.5 - 7.5	E1 / E3	P5 SECURUS
15.11 ²⁾	15	425	4	15	11	E3	P5 SECURUS
18.1 ²⁾	20	566	5	20	15	E3	P10 SECURUS

1) Compressor capacity (FAD) is referenced to standard inlet conditions and 80% of the compressor's maximum working pressure. Tolerance +/- 5%.

2) Models 15.11 and 18.1 available for 7000 psig.

E1 = 230 / 1 / 60 E3 = 230 - 460 / 3 / 60 Other voltages and frequencies available upon request. Engine driven models available.

Dimensions and weight are approximate and are dependent upon model and drive.



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