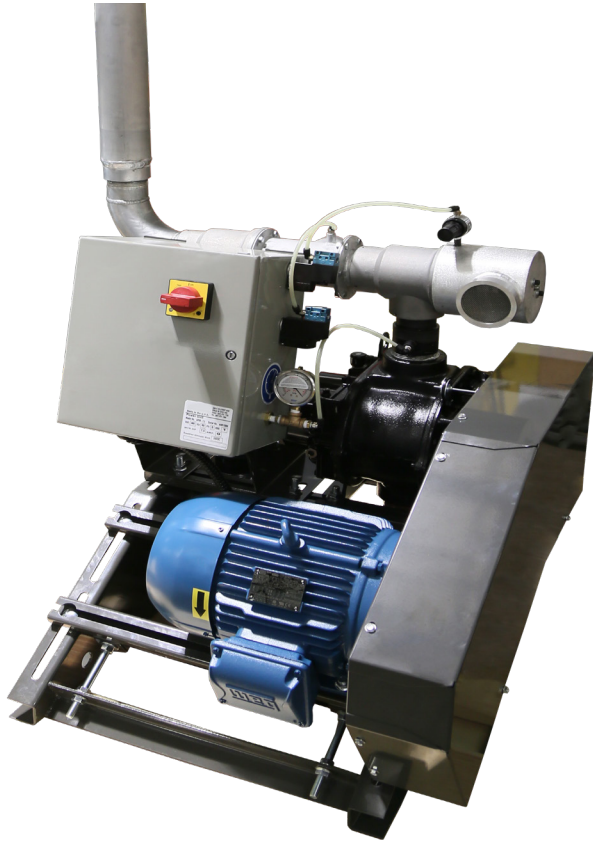


APD SERIES

Vacuum Pumps



Technical Specifications

APD Series Vacuum Pumps allow for the conveying of free-flowing pelletized plastic materials and regrind using vacuum receivers integrated into a central conveying system. APD pumps are designed for 24 hour, continuous operation and are recommended for most conveying applications. AEC is able to provide several types of ultra-compact vacuum power units to suit your conveying needs.

The APD Series uses a high efficiency, positive-displacement vacuum pump and can be utilized to convey pellets and regrind over long distances up to 500 equivalent feet.

APDB vacuum pumps have the same features as the APD but include an exclusive non-reversing air valve system to reverse air flow and clean the pump filter.

Features

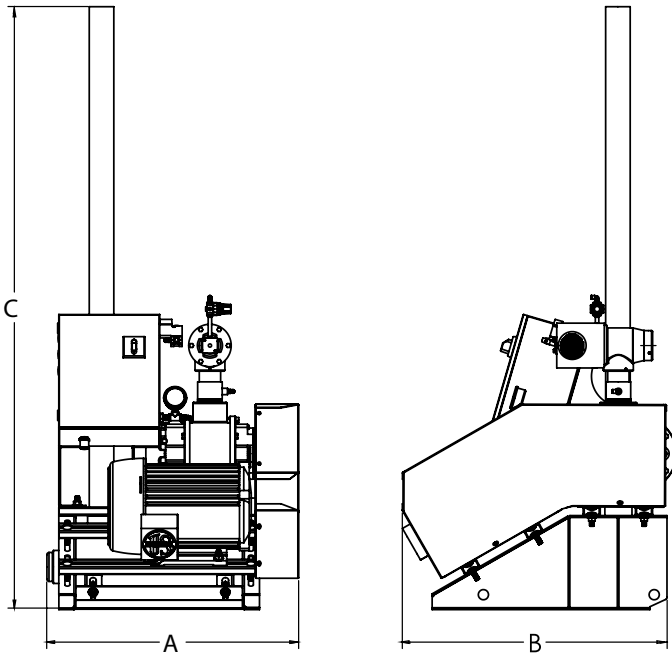
Standard Features

- Ultra compact design
- Positive displacement vacuum pump
- High efficiency blower design
- Atmospheric relief valve
- Vacuum gauge on pump for visual indication of system performance
- 230/4/60 or 460/3/60 totally enclosed (TEFC) motor
- ROOTS™ WHISPAIR™ blower design
- Integral discharge silencer
- Non-reversing air valve (APDB models only)
- High vacuum safety switch
- Mechanical high vacuum relief valve for ensured safe operation
- NEMA 12 junction box with disconnect, starter, and overload mounted on the unit

Optional Features

- Sound enclosure
- Secondary silencer
- Purging capability
- Closed loop conveying valve
- Optional Special voltage:
 - 220/3/50
 - 380-415/3/50
 - 208/3/60
 - 575/3/60

Product Diagrams



Models	A	B	C
	in. (cm)	in. (cm)	in. (cm)
APD(B) 5	31 (79)	31 (79)	75 (190)
APD(B) 7.5			
APD(B) 10			
APD(B)10			
APD(B) 15			
APD(B)15			
Sound Enclosure	38 (97)	40 (102)	43 (110)

Optional Sound Enclosure Feature



The APD sound enclosure can be used with AEC's APD Series vacuum pump. The two thirds/one third clamshell design clamps easily around the pump, providing a minimum of 15+ dba sound reduction.

- 13-gauge diamond-plate aluminum construction
- Two-thirds/one-third clamshell design with latching clamps
- 2.75 flat foam, fire-retardant, high-temperature, oil-resistant insulation
- Resistant to heat and oils
- Baffled air inlet assures maximum attenuation
- Design allows for all-weather installation
- Easy Installation. Unit ships fully assembled. Light enough to be lifted over package for installation.
- Easy access for pump service
- Dimensions: 30 L x 40 W x 43 H (96 cm x 102 cm x 109 cm)

Specifications

Models	Air Flow		460V Power Unit		Vacuum Line Size	Material Line Size	Recommended Vacuum Lines		Full Load Amps		
	cfm	cmh	HP	kW	In., OD	In., OD	cu.ft	liters	230V	460V	575V
APD(B) 5	120	203	5	3.7	2	2	0.2, 0.4, 0.8, 1.6	6, 11, 23, 45	13.4	6.7	5.4
APD(B) 7.5	155	263	7.5	5.6	2.5	2.5	0.8, 1.6	23, 45	20.6	10.3	8.2
APD(B) 10	200	339	10	7.5	2.5	2.5	1.6, 3, 6	45, 85, 170	28.4	14.2	11.4
APD(B)10	225	381	10	7.5	3	3	1.6, 3, 6	45, 85, 170	29.2	14.6	11.7
APD(B) 15	300	508	15	11.2	3	3	3, 6	85, 170	38.4	19.2	15.3
APD(B)15	360	610	15	11.2	3.5	3.5	3, 6	85, 170	39.2	19.6	15.7

Maximum recommended conveying distance: 500 equivalent feet