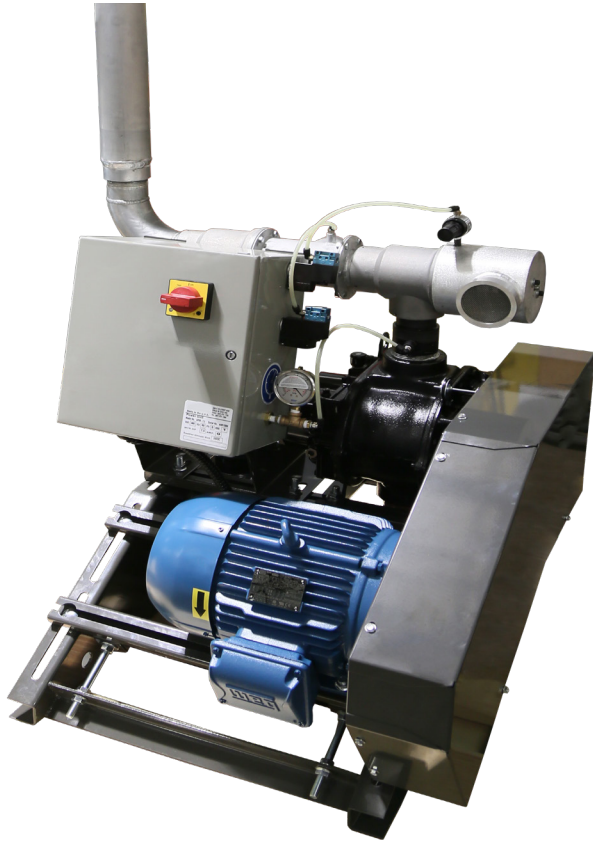


APD(B) SERIES

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 blower air valve system to reverse air flow and clean the pump filter.

Features

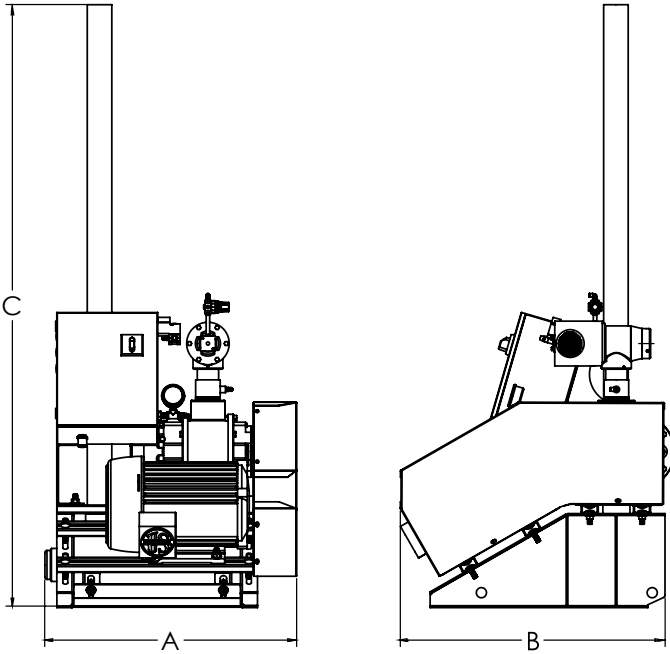
Standard Features

- Ultra compact design
- Roots positive displacement vacuum pump
- High efficiency blower design
- Atmospheric vent valve
- Vacuum gauge on pump for visual indication of system performance
- 460/3/60 totally enclosed (TEFC) motor
- Integral discharge silencer
- 24 VDC control voltage
- Airflow reversing air valve (APDB models only)
- High vacuum safety switch
- NEMA 12 junction box with starter mounted on the unit
- MCP with disconnect

Optional Features

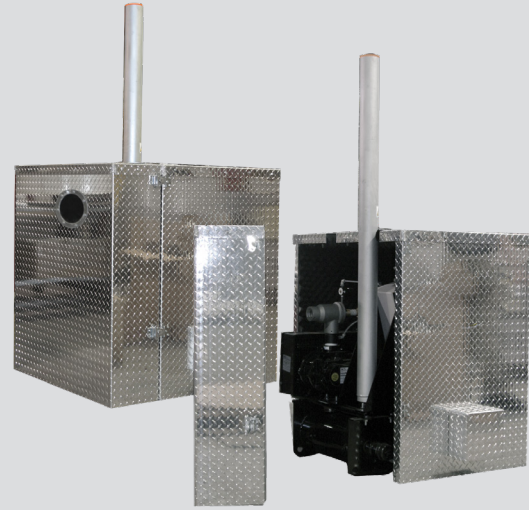
- Fan cooled sound enclosure
- Secondary exhaust silencer
- Purging capability
- Outdoor option
- Optional Special voltage:
 - 208/3/60
 - 230/3/60
 - 575/3/60

Product Diagrams



Models	A	B	C
	in. (cm)	in. (cm)	in. (cm)
APD(B) 5	31 (79)	31 (79)	APD: 85 (216) APDB: 100 (254)
APD(B) 7.5			
APD(B) 10			
APD(B) 15			
APD(B) 20	60 (152)	32.5 (83)	APD: 65 (165) APDB: 80 (203)
APD(B) 25	65 (165)	32 (81)	APD: 74 (188) APDB: 90 (229)
Sound Enclosure (5-15HP Units)	38 (97)	40 (102)	43 (109)
Sound Enclosure (20-25HP Units)	50 (128)	60 (153)	56 (142)

Optional Sound Enclosure Features



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 at least a 15 dbA reduction in noise.

- Cooling fan
- 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

Specifications

Models	Air Flow		Power		Vacuum Line Size	Material Line Size	Recommended Vacuum Receivers		Full Load Amps		
	CFM	m ³ /hr	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	15	7	6
APD(B) 7.5	155	263	7.5	5.6	2.5	2.5	0.8, 1.6	23, 45	22	11	9
APD(B) 10	200	339	10	7.5	2.5	2.5	1.6, 3, 6	45, 85, 170	28	14	11
APD(B) 10	225	381	10	7.5	3	3	1.6, 3, 6	45, 85, 170	28	14	11
APD(B) 15	300	508	15	11.2	3	3	3, 6	85, 170	42	21	17
APD(B) 15	360	610	15	11.2	3.5	3.5	3, 6	85, 170	42	21	17
APD(B) 20	475	805	20	14.7	4	4	3, 6	85, 170	54	27	22
APD(B) 25	570	968	25	18.4	4" SCH 10	4" SCH 10	3, 6	85, 170	68	34	27

Maximum recommended conveying distance: 500 equivalent feet