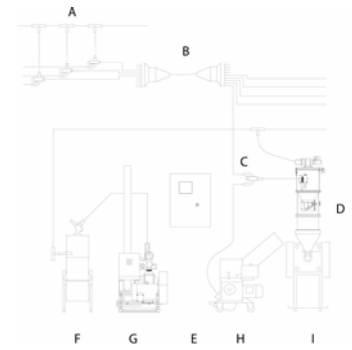


Typical Setup for a multiple vacuum conveying system.

- A Purge valve
- B Rotary valve
- C Porportioning valve
- D Vacuum receiver
- E Conveying control system
- F Central vacuum filter
- G Vacuum pump
- H Granulator
- I Processing machine



Component G is described below.

**Brief Description**

**Application:**

The Colortronic CPD Vacuum pump allows for the conveying of free-flowing palletized plastic materials and regrind using vacuum receivers integrated into a central conveying system.

- Colortronic vacuum pumps are designed for continuous, 24-hour operation.
- Recommended for most conveying applications

**Rugged, modular construction**

Colortronic is able to provide several types of ultra-compact vacuum power units to suit your conveying needs. The CPD Series Vacuum Pump uses a high-efficiency, quiet, positive-displacement vacuum pump and can be utilized to convey pellets and regrind over long distances up to 500 equivalent feet. CPDB vacuum pumps have the same features as the CPD but include an exclusive non-reversing valve system for pulse filter cleaning.



CPD Series Vacuum Pump



CPDB Series Vacuum Pump

**Technical Information**

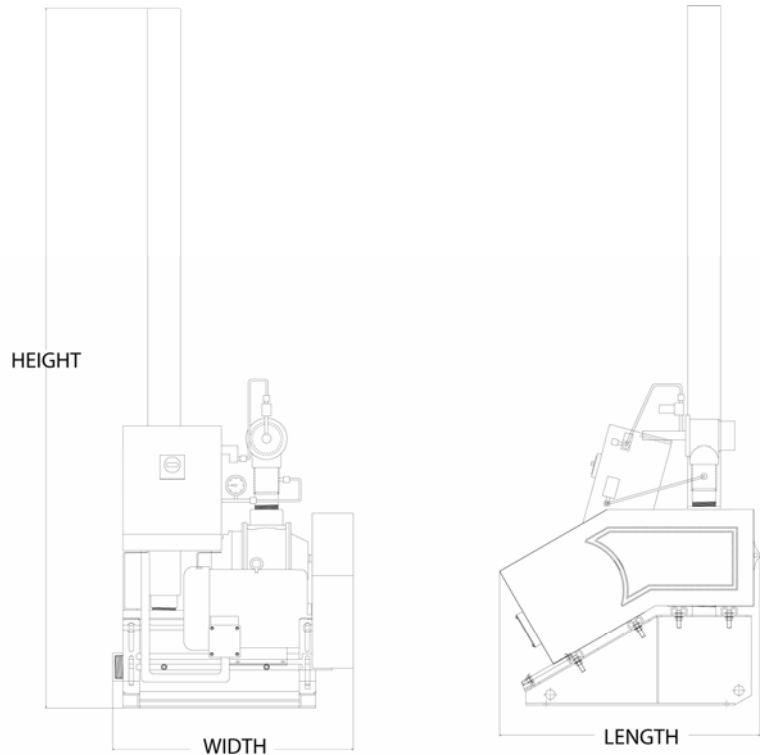
- Ultra compact design
- Positive displacement vacuum pump
- High efficiency, quiet blower design
- Conveys continuously using an atmospheric relief valve.
- Vacuum gauge on pump for visual indication of system performance
- 230/4/60 and 460/3/60 totally enclosed (TEFC) motor
- ROOTS™ WHISPAIR™ blower design
- Integral discharge silencer
- High vacuum safety switch
- Mechanical high vacuum relief valve for ensured safe operation
- NEMA 12 junction box with disconnect, starter, and overload mounted on unit
- Dimensions: 31" L x 31" W x 85" H (79 cm x 79 cm x 216 cm)
- Maximum recommended conveying distance: 500 equivalent feet (152 m)
- Shipping weight:
  - CPD 5: 385 lbs. (175 kg)
  - CPD 10: 400 lbs. (181 kg)
  - CPC 15: 420 lbs. (190 kg)

**Full Load Amps**

	230V	460V	575V
CPD(B) 5	13.4	6.7	5.4
CPD(B) 7.5	20.6	10.3	8.2
CPD(B) 10	28.4	14.2	11.4
CPD(B) 10	29.2	14.6	11.7
CPD(B) 15	38.4	19.2	15.3
CPD(B) 15	39.2	19.6	15.7

**Optional Equipment**

- Special voltage: 220/3/50, 380-415/3/50, 208/3/60, 575/3/60
- Sound enclosure
- Purge capability
- Closed loop conveying valve



Model	Air Flow		460V Power Unit		Vacuum Line Size In., OD	Material Line Size In., OD	Recommended Vacuum Receivers	
	cfm	cmh	HP	KW			Cu. ft.	Liters
CPD(B) 5	120	203	5	3.7	2	2	0.2, 0.4, 0.8, 1.6	6, 11, 23, 45
CPD(B) 7.5	155	263	7.5	5.6	2.5	2.5	0.8, 1.6	23, 45
CPD(B) 10	200	339	10	7.5	2.5	2.5	1.6, 3, 6	45, 85, 170
CPD(B) 10	225	381	10	7.5	3	3	1.6, 3, 6	45, 85, 170
CPD(B) 15	300	508	15	11.2	3	3	3, 6	85, 170
CPD(B) 15	360	610	15	11.2	3.5	3.5	3, 6	85, 170
Sound enclosure			38 L x 40 W x 43 H (96 x 102 x 109)					

Notes: To convert to mm, multiply by 25.4. Customer is responsible for conversion to metric.  
Consult factory for system installations above 1500 ft (457 m) elevation.  
High elevation alters system performance.

[www.colortronicna.com](http://www.colortronicna.com)

**Corporate Headquarters:**  
Colortronic North America, Inc.  
4100 Market Place  
Flint, MI 48507  
PH: 810-720-7300  
FX: 810-720-2598  
[colortronicweb@corpemail.com](mailto:colortronicweb@corpemail.com)