

Powder Receiver

PR - Series



The Nu-Vu Conair PR Series of Powder Receivers effectively transfer powdered resins (down to 1 micron), with the efficiency of a central vacuum system. Available in a range of sizes to fit user needs, the PR Series uses high capacity, pleated filters coupled with a compressed air accumulated blowback system, for long, maintenance-free operation. Each receiver includes a vacuum sequencing valve in its lid for easy connection to a central vacuum system.

Unique Features

- Capable to effectively transfer infinitesimal powdered resin (up-to 1micron)
- Reliable, efficient & long lasting filtering system
- Compact and hassle-free equipment to plug and deploy
- S.S. 304 as material of construction
- Various sizes and options available to suit customer's requirements
- Timely co-ordinated compressed air blowback system at end of each load cycle
- Easy material change-over and cleaning
- No tool disassembly with maintenance free operation
- Compliments FLX, central vacuuming and conveying systems

Optional Features

- Filter vent assembly to prevent dust from entering receiving system
- Replaceable wear plates to eliminate hopper wearing

Technical Specifications

Model	PR 8	PR 12	PR 15	PR 20	PR 25
Performance Characteristics					
Receiver volume ft³ {liters}	0.14 {4.0}	0.5 {14.2}	1.0 {28.3}	1.8 {51}	3.0 {85.0}
*Air-to-cloth ratio cfm:ft²	3:1				
Line sizes inches {mm}	1.75 - 2.0 {45 - 51}	1.75 - 2.5 {45 - 64}		2.25 - 3.0 {57 - 76}	2.5 - 4.0 {64 - 102}
Filter					
Filter type	One pleated polyester cartridge		Two pleated polyester cartridges	Three pleated polyester cartridges	
Total filter area	23 ft² {2.1 m² }	56 ft² {5.2 m² }	48 ft² {4.5 m² }	69 ft² {6.4 m² }	168 ft² {15.6 m² }
Dimension inches {mm}					
Hopper diameter	8.0 {203}	12.0 {305}	15.0 {381}	20.0 {508}	25.0 {635}
A - Height above mounting plate	39.0625 { 992.2}	44.25 {1123.9}	45.1875 {1063.6}	50.50 {1282.7}	57.25 {1454.2}
B - Depth below mounting plate	5.5 {140}	8.375 {213}			
with positive discharge	N/A	16.0 {406}			
C - Clearance hole diameter	6.63 {167}	12.0 {305}			
D - Height to center of material inlet	6.19 {157}	9.5 {241}	12.1875 {309.6}	15.9 {404}	21.25 {540}
Height to center of vacuum outlet	36.875 {936.6}	41.3125 {1049.3}	41.875 {1063.6}	46.8125 {1189.0}	52.625 {1336.7}
Weight lb {Kg}					
Installed	44.0 {20.0}	77.0 {34.9}		143.0 {64.9}	
Shipping	139.0 {63.0}	164.0 {74.4}	225.0 {102.1}	246.0 {111.6}	277.0 {125.6}
Compressed air requirements					
Pressure	60-80 psi {4.1 - 5.5 bars}				
Consumption	2 ft³/min @ 80 psi {0.94 liters/sec. @ 6 bars}	8 ft³/min @ 80 psi {3.7 liters/sec. @ 6 bars}			
NPT fitting	3/8 inch				

All specifications are subject to change without prior notice.

Application Note: Powder Receivers are not intended for materials such as pure Carbon Black, Titanium Oxide or any other difficult to handle material that requires an air to cloth ratio of less than 3:1.

LEADING MANUFACTURER OF PLASTIC AUXILIARY EQUIPMENT

Material Storage | Conveying | Drying | Blending | Heat Transfer | Size Reduction



(An ISO 9001:2015 Certified Organization)

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