

RN-Series

Vacuum Receiver for Pellets



The RN-Series: combined with PCC's Vacuum Power Units, it is designed for dependable, efficient conveying of pellets (pictured is an RND)

The RN-Series Vacuum Receiver from PROCESS CONTROL is part of a complete vacuum conveying system for in-plant distribution or machine/blender loading. When coupled with a vacuum pump and sequencing panel, the RN series provides automatic loading of pellet materials.

The RN-Series Vacuum Receiver is designed to be mounted at any point where resin delivery is needed. As the station calls out for a load, a sequencing panel (priced separately) sends a signal to the RN to open its sequencing valve and pull vacuum on this receiver. The material is pulled from the connected source until the fill

cycle is complete. Then the material is dumped from the receiver immediately (by means of a flapper valve) or held for future use (by a positive shutoff valve)

A built-in screen prevents carry-over of pellet material back to the vacuum pump. For materials which have significant fines and dust, an optional dust collector should be purchased to reduce maintenance and protect the vacuum pump.

The RN-Series Vacuum Receiver is low-maintenance: no valves come into contact with conveyed material and no tools are needed for pellet retaining screen changes.

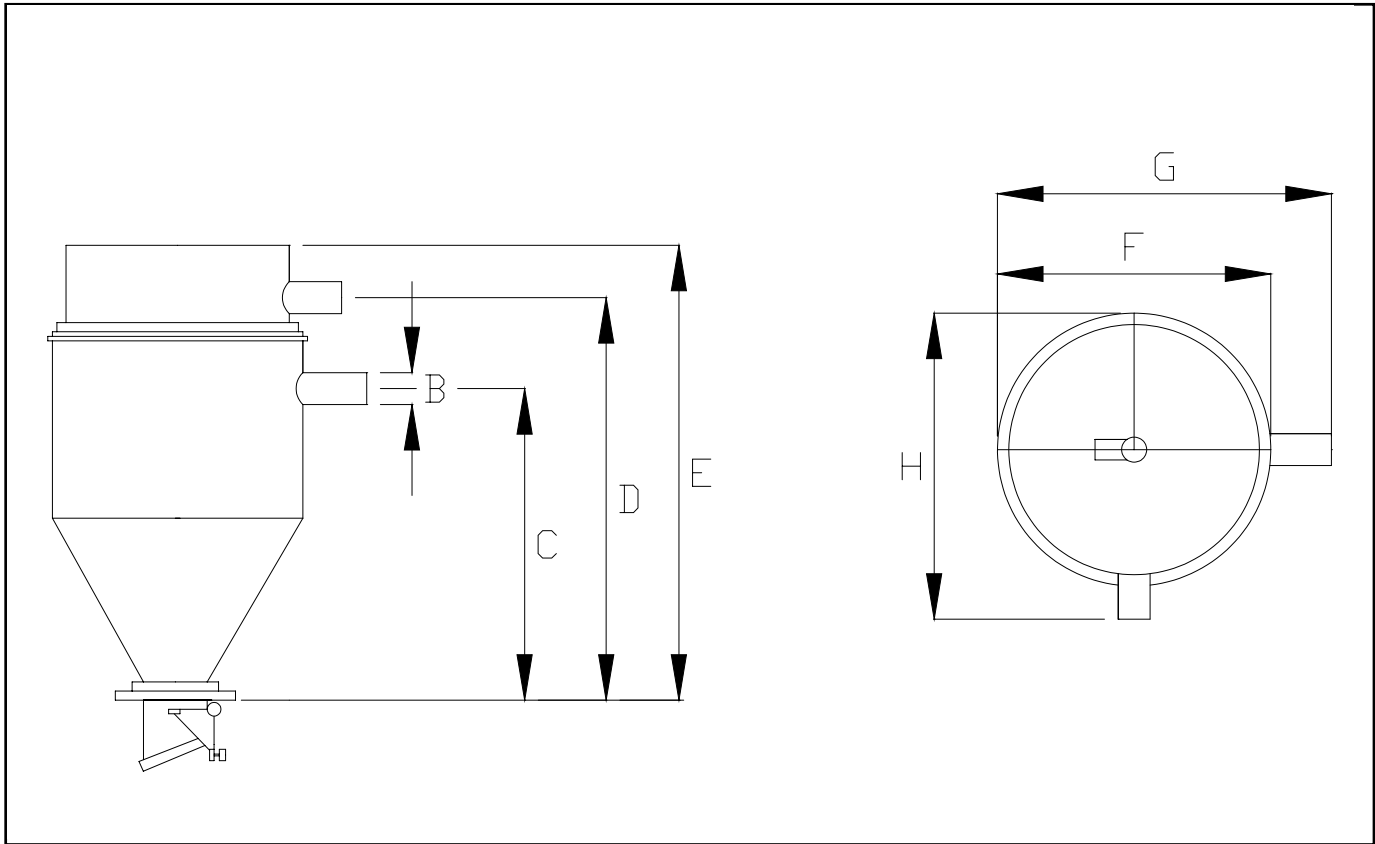
Standard Specifications

- ▶ air operated sequencing valve in lid requires 80-100 psi of filtered, lubricated shop air for solenoid actuators and control cylinders; the total supply air required per cycle is 0,005 cu.ft.
- ▶ internal pellet screen
- ▶ 24 V DC control voltage
- ▶ load level proximity switch
- ▶ flapper-type discharge valve with magnetic switch
- ▶ removable lid with V-band clamp
- ▶ mild steel construction

Options

- ▶ check valve for common material line applications
- ▶ swing-gate or knife-gate positive shut-off discharge valve
- ▶ 110V AC control voltage
- ▶ stainless steel construction
- ▶ Director®-Series sequencing control panel
- ▶ central vacuum power unit
- ▶ central dust collector
- ▶ high temperature design

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The above shown receiver is represented with a weight-incriminated tab (Flapper Valve). The optional available swing valve is enlarging the height. Nearer statements will you get from PROCESS CONTROL. Every unit is tested before the shipping. Alterations of corresponding hints reservations.

Technical Data of the RN-Series Receivers

Model	Volume (dm ³)	Dimensions (mm)								Weight (kg)
		A	B	C	D	E	F	G	H	
RND	2	280	51	367	491	547	305	384	384	13,5
RNE	6	280	63,5							
RNF	11	280	76,2							
RNG	15	280	88,9	505	645	699	406	486	486	15,8
RNH	18	280	51	388	564	636				
RNJ	40	280	bis	608	783	855	406	486	486	24,9
RNK	72	280	88,9	989	1165	1236				
RNL	88	280	101,6							29,4



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