

VRX Vacuum Receivers: Hinged Lid with Integrated Fill Valve

VRX Series Capacity: 5 – 114lb (2.2-51.7 kg)

VRX Series Receivers provide transfer of plastic pellets and regrind using centralized vacuum pumps and controls. They offer a wide range of important advantages that improve performance and ease of use over typical vacuum receivers.



Standard models are constructed for flange mounting to existing bins or hoppers and smaller models will fit directly onto machine mount glasses for easy retrofit. An external fill valve (EFV) provides vacuum for each receiver and can be mounted on the receiver lid or externally in the vacuum line.

› **Hinged Lid with Adjustable Mount**
Quick, hands-free access to the filter. Easily reconfigure inlet-to-hinge orientation.

› **Integrated External Fill Valve with Bolt-On Tube Stub**
Allows units to be adapted to larger vacuum lines.

› **Stainless Steel Construction**
Rugged 14 gauge SS body section provides a wear resistant, non-ferrous material contact surface.

› **Tangential Material Inlet**
Provides cyclonic air/material separation which minimizes material degradation.

› **3-Inch Discharge on 12, 19, and 30 lb Models**
Provides faster and more complete discharge of materials - especially regrind.

› **Material Inlet Deflector Check Valve**
Neoprene gasket provides positive seal. No external material line valve needed!

› **Externally Mounted Mechanical Demand Switch**
Proven reliability with years of use on Novatec GSL receivers.

› **Local On/Off Switch and LED**
Convenient pause for material change, and visual indicators for receiver demand and fill cycle.

› **Dump Valve with Integrated Level Switch**
Included on standard, blowback and filterless models. Dump valve protected from damage by protective shroud with less protrusion into hoppers/bins.

› **More Reliable Gasket Seal Design**
Established through extensive testing with pellets and dusty regrind.

› **Terminal Box with Plug & Cable**
6-pin quick release plug with 12-foot cable.



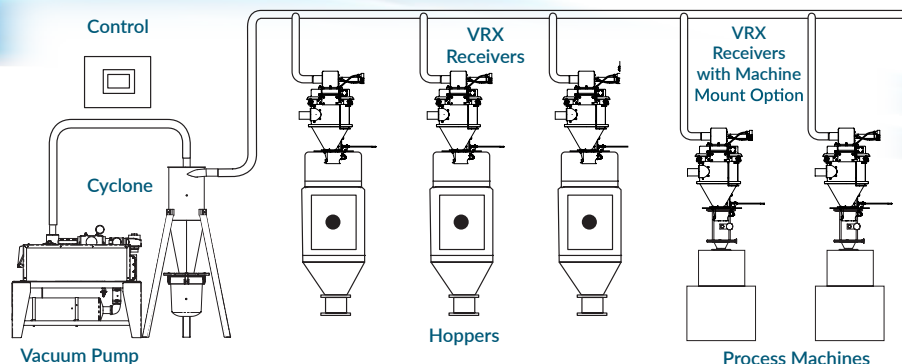
New, smaller capacity
5lb model now available!



Low-profile shrouded discharge

PLUS

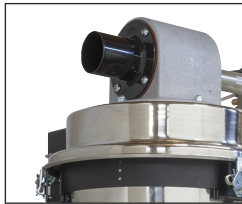
- › Reinforced 20-mesh stainless steel pellet screen
- › Inlet/outlet diameters of 1.5-inch to 4-inch (3.8-10 cm)
- › 24 VDC or 115 VAC control voltage
- › 5-year warranty for lowest cost of ownership



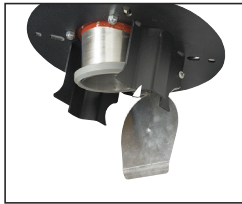
DRI-AIR®
Industries, Inc.

Proudly made in the USA

Many popular features not found on other re



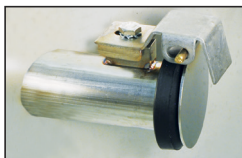
Bolt-on, integral, lid-mounted external fill valve (EFV) for vacuum sequencing is standard for vacuum lines upto 3" OD. Can be mounted externally if desired.



Custom-molded neoprene gasket on full-flow dump throat assures tight seal and no loss of vacuum. Unique design keeps resin from contacting gasket surface. Low profile shroud provides less intrusion into hopper bin and flapper protection.



Expanded aluminum supports 20-mesh stainless steel fines filter screen.



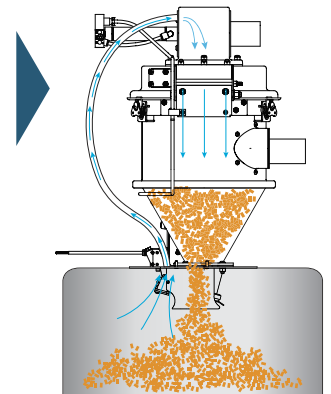
Tangential inlet provides cyclonic flow minimizing material degradation. Internal flapper with neoprene seal allows common line system use.



Standard VRX with 3-inch discharge converts easily to machine-mount model.

Closed loop vent kit

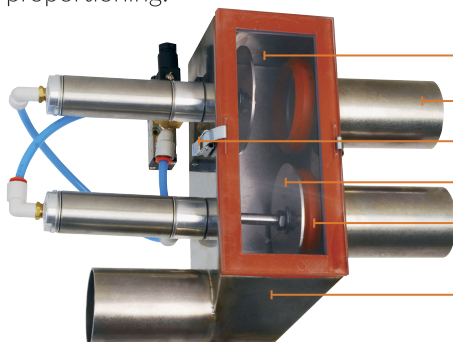
Uses air from the hopper to vent the chamber during discharge while keeping ambient air out.



Optional External Proportioning Valve

External proportioning valve provides proportioning/ layering of materials when used with VRX receivers. Optional mini-PLC control may be programmed for proportioning.

Shipped with a coupler. Choose 24VDC or 120VAC. See separate data sheet.

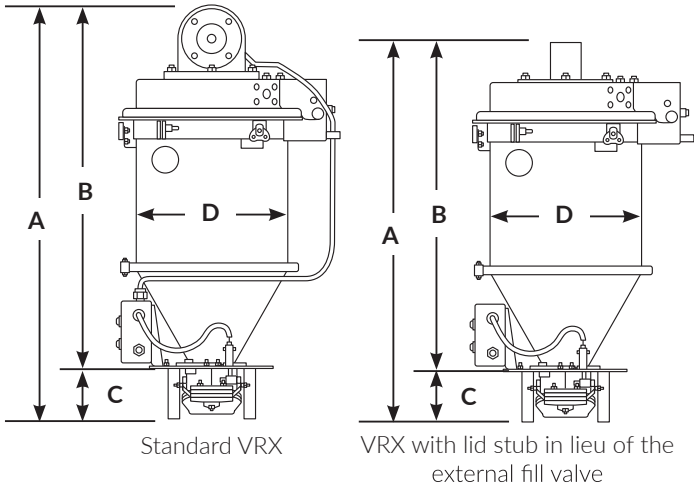


- Polycarbonate access window
- Inlet/outlet diameter 1.5-inch to 4.0-inch
- Quick-release latches
- Stainless steel disc/seat
- Molded V-tip ring gaskets are flange mounted - out of the material flow
- Stainless steel body with unique design creates turbulent flow to clear material

Dimensions & Weights

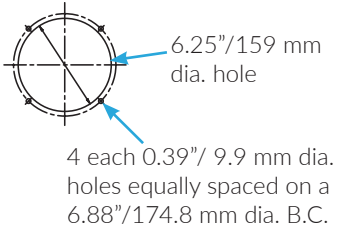
Configuration	Part Number	Hopper Loading Packages								Standard Discharge Diameter (OD)		Approx. Shipping Weight	
		Dimensions											
		Overall Height "A"		Mounting Height "B"		Discharge Height "C"		Body Diameter "D"		in	cm	lb	kg
Standard: Lid Mounted Valve	VRX-5-XX	17.0	43.2	13.7	34.8	3.3	8.4	6.0	15.2	3.0	7.6	15.5	7.0
	VRX-8-XX	28.4	72.2	25.1	63.8	3.3	8.4	6.0	15.2	3.0	7.6	22.0	10.0
	VRX-12-XX	23.4	59.5	20.1	51.1	3.3	8.4	10.0	25.4	3.0	7.6	25.0	11.3
	VRX-19-XX	27.4	69.7	24.1	61.3	3.3	8.4	10.0	25.4	3.0	7.6	29.0	13.2
	VRX-30-XX	33.8	85.9	30.5	77.5	3.3	8.4	10.0	25.4	3.0	7.6	40.0	18.1
	VRX-38-XX	31.3	79.5	27.8	70.7	3.5	8.8	16.0	40.6	5.0	12.7	45.0	20.4
	VRX-76-XX	41.3	104.9	37.8	96.1	3.5	8.8	16.0	40.6	5.0	12.7	55.0	24.9
	VRX-114T-XX	51.7	131.2	48.2	122.4	3.5	8.8	16.0	40.6	5.0	12.7	65.0	29.5
Option: Tube Stub in lieu of EFV	VRX-5-XX	15.4	39.1	12.1	30.7	3.3	8.4	6.0	15.2	3.0	7.6	13.0	5.9
	VRX-8-XX	26.8	68.1	23.5	59.7	3.3	8.4	6.0	15.2	3.0	7.6	19.5	8.8
	VRX-12-XX	21.3	54.0	18.0	45.6	3.3	8.4	10.0	25.4	3.0	7.6	25.0	11.3
	VRX-19-XX	25.3	64.2	22.0	55.8	3.3	8.4	10.0	25.4	3.0	7.6	29.0	13.2
	VRX-30-XX	31.6	80.4	28.3	72.0	3.3	8.4	10.0	25.4	3.0	7.6	40.0	18.1
	VRX-38-XX	29.1	74.0	25.7	65.2	3.5	8.8	16.0	40.6	5.0	12.7	45.0	20.4
	VRX-76-XX	39.1	99.4	35.7	90.6	3.5	8.8	16.0	40.6	5.0	12.7	55.0	24.9
	VRX-114T-XX	49.5	125.7	46.0	116.9	3.5	8.8	16.0	40.6	5.0	12.7	65.0	29.5

-Line Size Designation = "-XX" on end of Part Number. Standard control voltage = 24VDC, Alternate control voltage 24VAC & 120VAC available.
-Filterless units: VRX-12 thru -30 = Add 7" (17.8cm) to Dimensions "A" & "B", Add 9.5lbs (4.3kg) to Shipping Weight
-Filterless units: VRX-38 thru -114T = Add 10.4" (26.4cm) to Dimensions "A" & "B", Add 13lbs (5.9kg) to Shipping Weight

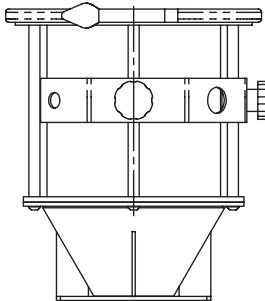
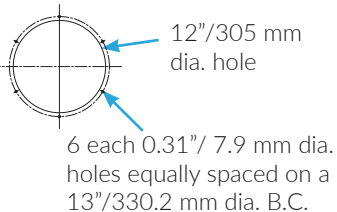


Mounting Patterns

VRX-12 through VRX-30
(3" discharge assembly)



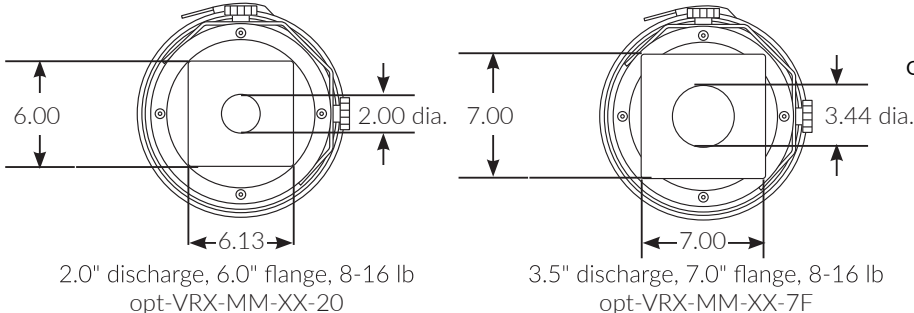
VRX-38 through VRX-114T
(5" discharge assembly)



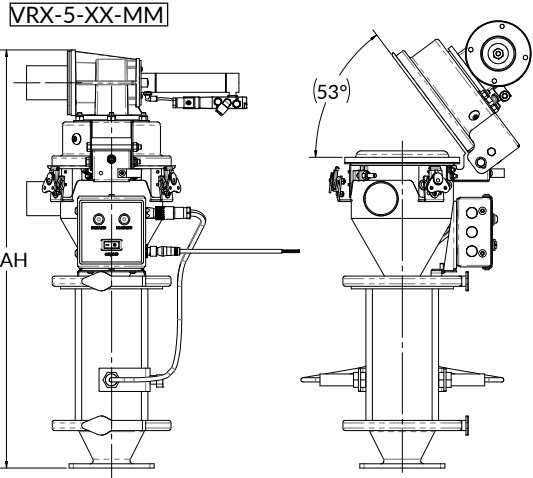
8-16 lb machine mount package
shown with bracket that includes
the optional photo-eye sensor.

Configuration	Part Number	Machine Mount Packages									
		Overall/Added Height		Body Diameter		Surge Capacity*		Discharge Diameter		Shipping Weight	
Standalone	VRX-5-XXMM*	24.57	62.4	6.00	15.2	2.0	0.9	1.50	3.8	22.0	10.0
Accessories/ Options (VRX-12 to VRX-38)	opt-VRX-MM-8**	14.40	36.6	8.00	20.3	8.0	3.6	2.00	5.1	14.0	6.4
	opt-VRX-MM-12**	18.40	46.7	8.00	20.3	12.0	5.4	2.00	5.1	15.0	6.8
	opt-VRX-MM-12-EZC**	18.40	46.7	8.00	20.3	12.0	5.4	2.00	5.1	20.0	9.1
	opt-VRX-MM-16**	21.40	54.4	8.00	20.3	16.0	7.3	2.00	5.1	16.0	7.3
	opt-VRX-MM-16-EZC**	21.40	54.4	8.00	20.3	16.0	7.3	2.00	5.1	22.0	10.0
	opt-VRX-MM-20-EZC**	25.40	64.5	8.00	20.3	20.0	9.1	2.00	5.1	23.0	10.4

*Comes with 2lb glass machine mount JIT hopper with 5" flange & 1.5" discharge opening as a complete assembly. Optional 6.5" flange with 2.25" discharge opening.
Additional 3" (min) of clearance required to open & close hinged lid.
**Available for use with VRX-12 to VRX-30 receivers, optional 7" flange & 3.5" discharge opening, and in S/S contact configurations.



Note: Mounting plate blank, bolt-pattern to be specified by customer order or added in the field.



Specifications

Hopper Loading Packages							
Model	Configuration	Available Line Size*		Capacity**		Volume	
		in	mm	lb	kg	ft3	L
VRX-5	Standard	1.5-2.0	38-50	5.0	2.3	0.1	3.7
	Blowback (Option)						
VRX-12	Standard	1.5-2.5	38-64	12.0	5.4	0.3	8.9
	Blowback (Option)						
	Filterless (Option)	1.5-2.0	38-50				
VRX-19	Standard	1.5-3.0	38-76	19.0	8.6	0.5	14.2
	Blowback (Option)						
	Filterless (Option)	1.5-2.0	38-50				
VRX-30	Standard	1.5-3.0	38-76	30.0	13.6	0.8	22.4
	Blowback (Option)						
	Filterless (Option)	1.5-2.0	38-50				
VRX-38	Standard	1.5-3.0	38-76	38.0	17.2	1.0	28.3
	Blowback (Option)						
	Filterless (Option)	1.5-2.5	38-64				
VRX-76	Standard	1.5-4.0*	38-100*	76.0	34.5	2.0	56.6
	Blowback (Option)						
	Filterless (Option)	1.5-2.5	38-64				
VRX-114	Standard	1.5-4.0*	38-100*	114.0	51.7	3.0	85.0
	Blowback (Option)						
	Filterless (Option)	1.5-2.5	38-64				

*3.5" (89mm) & 4.0" (100mm) vacuum line receivers come standard with lid tube stub & remote mounted station valve in lieu of lid mounted fill valve.

**Resin capacity based on 38lb/ft3 (0.609kg/L) material bulk density

-60 degree cone standard, discharge diameter swaps available depending on receiver size & mounting location.

ACCESSORIES

› Pulsed Blowback Control

Mini-PLC control mounts near receiver and generates adjustable blowback signals when the central control is not equipped with the blowback feature.

› External Proportioning Valve with Coupler

Available for all receivers. (See separate data sheet.)

› Proportioning Valve Control

Mini-PLC control mounts near receiver and generates adjustable proportioning signals when the central control is not equipped with proportioning capability. Utilizes the receiver's load signal.



› Retrofit Glass Hopper Sizes for Existing VRX Units

Field conversion kit includes base, glass, top adapter plate and discharge cone/valve assembly 8, 12, or 16 lb glass.

› Level Switch, Capacitance

30 mm diameter, 2 m cable - Available for all receivers.

OPTIONS

› Must Specify Glass Hopper for Machine Mount Units

See Machine Mount Packages chart on the previous page.

› DeviceNet Cables for All Models

In lieu of standard cables, 24 VDC only.

› Custom Drilling of MM Flange

Standard base flange is blank for customer drilling.

› Extended Wear Package for VRX-12 through VRX-114T Models Include:

- Ceramic lined inlet
- Ceramic coated inlet check valve flapper
- Ceramic coated body impact plate
- Stainless steel discharge flapper

› Ceramic-lined Inlet Diameters Available for Wear Package

