Airblast B.V.
P.O. Box 1075
1700 BB Heerhugowaard
The Netherlands
Tel. : +31 72-5718002
Fax : +31-72-5714340
E-mail : info@airblast.com

Commercial Information
The Art of Powerful Cleaning...

Date: 02/08

Title: Airblast Vacuum Recovery System VRS Series

AIRBLAST VRS series vacuum recovery system is designed to recover spent dry recyclable abrasives from a blasting area into a silo for subsequent return to the blast cleaning equipment or, in the case of expendable abrasives, for disposal into a waste hopper.

After depositing the abrasive into the silo, the vacuum flow containing air and dust continues on to the suction unit, where the dust particles in this stream are removed by high performance filter cartridges prior to exhausting air to atmosphere.

The VRS is of strong construction with sturdy maintenance access doors and contains the filter section fitted with safety relief valve and automatically sequenced reverse pulse-jet filter cleaning system, motor compartment housing an electric drive motor and a vacuum pump complete with exhaust silencer. This unit is also fitted with an electric control panel.

The VRS is designed to meet present and proposed environmental. Dust emission (max. 5 mg pr. m^3 air).

A feature of AIRBLAST VRS series vacuum recovery system is the capability to vacuum clean any residual dust and abrasive particles from the blast cleaned surfaces to meet the high specifications laid down in National and International Standards of surface preparation.

Model		ABVR-90	ABVR-45	ABVR-30
Power Supply		3-Phase 415/ 50Hz		
Process Air Volume		3600 CMH	2640 CMH	1900 CMH
Vacuum Pressure		-450mmHg	-430mmHg	-380mmHg
Rotation Speed		1318 rpm	1033 rpm	1239 rpm
Electric Motor		90 kW IP55 class F	45 kW IP55 class F	30 kW IP55 class F
Dust Filtration		Cyclone and Cartridge Dust Collector Continuous pulse-jet Valve		
Over Vacuum Protection		Vacuum Relief Valve		
Protection		Wrong Phase, Overload, Dust Level		
Filter Cleaning		Periodic Reverse Air Jet		
Filter Efficiency		0.05%		
Noise Level		85 dB @ 5 m radius scale A		
Start-stop Method		Star-Delta		
Control Panel		IP54 overload protection		
Dispay Gauges		Running Amperes, Vacuum		
Machine Structure		Open Skid-mounted with roof		
Air Consumption		750 l/min at max 10 bar	400 l/min at max 10 bar	250 l/min at max 10 bar
Air Cleaning		Oil / water separator @ 6 to 10 bar		
Op-tional Acces sories	Machine to Silo Hose -WGP	6" *10m	5" * 10m	4" * 10m
	Suction Hose -WGP (Silo to manifold)	5" * 20m	4" * 20m	3" * 20m
	Vacuum Hose -GL	2 ½" * 20m * 4	2 ½" * 20m * 2	2 * 20m * 2
	Air Manifold	4 outlets	2 outlets	2 outlets
Recommended Silo		7 tons	5 tons	4 tons
Weight		Approx 4.2 tons	Approx 3.3 tons	Approx 2.6 tons
Machine Dimension ( ) refers without eyebolt measurement		L3.65*W2.25*H2.5m (L3.45*W2.25*H2.5m)	L2.8*W2.12*H2.0m (L2.6*W2.12*H2.0m)	L2.2*W1.8*H1.97m (L2.2*W1.8*H1.87m)
Silo Dimensions (Standard)		L2.08*W1.86*H2.72m	L1.9*W1.68*H2.7m	L1.72*W1.45*H2.42m
Silo Weight		Approx 1.6 tons	Approx 1.3 tons	Approx 1 tons
Recovery Rate		Up to 10 tons/hr, 40m vertical (suction), 15m horizontal (machine to silo)	Up to 5 tons/hr, 25m vertical (suction), 15m horizontal (machine to silo)	Up to 3.5 tons/hr, 20m ver-tical (suction), 15m horizontal (machine to silo)