

**ASIA AIRBLAST PTE LTD  
ASIA REGIONAL HQ**

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**Commercial Information**  
*The Art of Powerful Cleaning...*

**ASIA AIRBLAST**

**Title: Vacuum Recovery System  
Wet & Dry Type**



AIRBLAST Wet & Dry vacuum recovery system is designed to recover spent wet and dry recyclable abrasives from a blasting area into a silo for subsequent return to the blast cleaning equipment or, in the case of spendable abrasives, for disposal into a waste hopper. After depositing the abrasive into the silo, the vacuum flow containing air, water 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, water will be trapped into a water tank and discharge off by sensor valve.

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 WDVRS is designed to meet present and proposed environmental. Dust emission ( max. 5mg pr. M3 air)

A feature of vacuum recovery is the facility 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.

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<b>Model</b>	<b>ABWDVR-90</b>	
<b>Power Supply</b>	3-Phase 415/ 50Hz	
<b>Process Air Volume</b>	3600 CMH	
<b>Vacuum Pressure</b>	-450mmHg	
<b>Rotation Speed</b>	1318 rpm	
<b>Electric Motor</b>	90 kW IP55 class F	
<b>Dust Filtration</b>	Cyclone and Cartridge Dust Collector Continuous pulse-jet Valve	
<b>Over Vacuum Protection</b>	Vacuum Relief Valve	
<b>Protection</b>	Wrong Phase, Overload, Dust Level	
<b>Filter Cleaning</b>	Periodic Reverse Air Jet	
<b>Filter Efficiency</b>	0.05%	
<b>Water Tank</b>	0.9 m <sup>3</sup>	
<b>Noise Level</b>	85 dB @ 5 m radius scale A	
<b>Start-stop Method</b>	Star-Delta	
<b>Control Panel</b>	IP55 overload protection	
<b>Display Gauges</b>	Running Amperes, Vacuum	
<b>Machine Structure</b>	Open Skid-mounted with roof	
<b>Air Consumption</b>	750 l/min at max 10 bar	
<b>Air Cleaning</b>	Oil / water separator @ 6 to 10 bar	
<b>Optional Accessories</b>	<b>Machine to Silo Hose - WGP</b>	6" * 10m
	<b>Suction Hose -WGP (Silo to manifold)</b>	5" * 20m
	<b>Vacuum Hose -GL</b>	2 ½" * 20m * 4
	<b>Air Manifold</b>	4 outlets
<b>Silo</b>	7 tons	
<b>Weight</b>	Approx 4.2 tons	
<b>Machine Dimension</b> ( ) refers without eyebolt measurement	L3.75*W2.25*H2.5m (L3.55*W2.25*H2.5m)	
<b>Silo Dimension (standard)</b>	L2.08*W1.86*H3.0m	
<b>Silo Weight</b>	Approx 0.8 tons	
<b>Recovery Rate</b>	6 to 10 tons/hr, along 30m vertical (suction), or 15m horizontal (machine to silo)	

Note: We have the policy to improve our equipment continuously & shall reserve the rights to change the dimensions and specs without prior notice.