

Abrasive-Vacuum Recovery System

The conventional method of recovering spent abrasives is both labour-intensive and time-consuming, while the fastest and most cost-effective method of cleaning up spent abrasives is by vacuuming.

SPEEDO has specially developed the pneumatic vacuum recovery system suitable for blasting operations. The system is engineered for minimum installation, easy operation, simple maintenance, and increased productivity with superior overall performance.

SPEEDO pneumatic vacuum recovery system provides 24 hours of cleaning operation and allows for silo to be fitted with a rotary valve (optional) for continuous dumping operation.



Standard safety features:

- System automatically shuts off to prevent damage to the vacuum producer when the suction hose is choked up with abrasives and when the electric motor's current rises above a certain pre-determined value.
- Cyclone is equipped with full-tank sensor to shut down the vacuum machine when it is full and prevent over-loading of abrasives to the dust collector. Silo full-tank sensor is available as an option.
- An emergency "STOP" button, when depressed, will automatically cut off all electrical supply.

Model No.	VR 90 (Part No. 0301-001)
Electric Motor	90 kW, IP55, Class F
Process Air Volume	60 m ³ /min (3600 CMH)
Vacuum Pressure	-450 mmHg
Transmission	V-belt driven
Dust Filtration	Cyclone and cartridge dust collector
Filter Cleaning	Reverse jet pulsing (timer)
Filter Efficiency	99.95% High efficiency filter cartridge
Filter Cartridge	Dia. 324mm x 1000mm length (4 nos)
Control Panel	Traditional relay control (IP55 enclosure)
Protection	Wrong phase, overload, vacuum relief valve
Noise Level	85 db @ 5m radius scale A
Power Supply	380 - 415 V / 50 Hz / 3 phase
Power Requirement	120A - Full load, 50A - No load
Air Requirement	25 cfm, max 10 bar
Silo Capacity	8 ton capacity
Silo Dimensions	Ø 1800mm x 3200mm (H)
Silo Weight	1.6 ton
Machine Dimensions	2800 x 2200 x 2250mm (LxWxH)
Machine Weight	3.5 ton
Recovery Rate:	Up to 10 tons/hr
Optional Accessories	
Machine to Silo	5" x 20m WGP suction hose
Silo to Suction / Manifold	4" x 20m WGP suction hose
Manifold to Vacuum	2" x 20m GL ducting hose

Note: Manufacturer reserves the right to make changes in technical and product specifications without prior notice.