



NEW PRODUCT RELEASE

Understanding our new "SPILVAC CUBE" 200 series System

During 2023 we started to obtain enquires a means to design a suitable Silo or Hopper for the collection of waste product or the purpose of recycling a product, at first these enquires came from the Abrasive Blasting Industry, however we saw a good reason to develop the product further, in order to upgrade our standard Drum Lid Design of Spilvac products, as the capture drum raised the one big question of "now you have filled it, so how do you empty it?"

The second issue that developed was one of how do we increase the vacuuming power of our Vacuum generator head, when we are limited by the vacuum tolerance of a standard drum?

A solution was reached through the Design Department of Spilvac by creating a 200 litre Cube Style hopper that could withstand high vacuum and had design features that allowed the user to efficiently empty it.



FEATURES

- The ability to upgrade the vacuum head from a drum lid series to the new "Elevator Hopper 200"
- Suction inlet can be increased from 50mm to 63 or even 75mm
- New Elevation leg design allows for room to position a blast pot, drum, or bulker bag
- Fitted with European manual "Abrasive Quality" Butterfly dump valve
- Optional Pneumatic Butterfly or Rotary Valve available
- Optional Wheel assembly available
- Left hand model lightweight 18 inHg vacuum high air flow model for garnet, Righthand Model with wheels to allow wheeled movement in house



So, you may ask why 2 different types of Hoppers, well first take note of the position of the Forklift Tines and the construction of the leg assemblies. The left-hand photo shows the forklift tines directly under the hopper itself & the leg lock in position is incorporated within the leg itself, the whole assembly is a lighter weight construction designed to be lower in cost & for a broader marketplace such as general factory clean-up of product spills.

This type of application requires High Airflow up to currently 288 cfm with a slightly lower vacuum up to 14.4inHg to clean up traditional factory floors, grain, and other lightweight products

While the Right-hand model has wheels at the bottom of the legs, by lowering the point of entry or product lift this model becomes ideal for heavy product such as Steel Shot, Cement, Mining, Ship building, Railways Sidings & Heavy Industry this design allows movement within the workplace and the ability to relocate within a factory grounds via the forklift tines.

As stated, both models are fitted with manual European manufactured 200mm Butterfly type dump valve, this allows the operator to fill shut down & the open the dump valve, where a constant vacuum application is required, a Rotary valve allows the operator to focus on the clean-up procedure while the valve is filling up a bulker bag, as you can also see our leg design is designed to accept a standard wooden forklift pallet.

Our choice of constructing the Elevator style Hopper in a Cube Design allows the client company to position the hopper into a Shipping Container, or where it may be positioned outside of a factory it allows for the hopper to be backed up against an outside wall, a further feature is our lid design, once you sight it you will see that the vacuum lid is not hinged, we have positioned a single lock down clip on each face, this allows the client to rotate the lid 360 degrees in terms of the compressed air entry to a suitable position for the compressed air line connection.

A further feature comes in the form of the suction inlet, it's not a cyclonic entry on purpose, it is a capsule, on the photos above you can see a circle of bolts, these are holding a standard bolt on flange and a steel tube slotted out, so that when raw material is induced into the hopper it dead ends and then drops not unlike a waterfall flow, this in turn reduces the velocity of product entry and allows the vacuum air flow to surround the Air Filter 360 degrees and load the filter correctly, the design also allows an easy removal of the complete assembly where the wear & tear requires a refit without welding in new parts.

All Spilvac Cube 200 series are supplied with a 10-meter Anti-Static suction hose, vacuum wand set, 2 Meter earthing wire complete with clamp and our Standard Cartridge Filter Cartridge, with Washable Polyester or Certified HEPA Filter as an optional extra. Additional vacuum tools such an Aspirator Bulk loading tool or Vacuum tools over 50mm in size can be supplied.

Our Spilvac Cube 200 Series represents good value, Australian Designed & Australian Manufactured allows for attention to detail in construction features, the needs within Australia to suit our conditions here & the ability to cut labour costs through the need to do the task at hand quicker, safer & more efficient.

Model Code	Air Consumption @ 80psi-6 bar- CFM-L/min		Air Flow CFM-L/min		Vacuum inHg- Kpa	
	100-	2,831-	288-	8,155-	9.8-	33.18
CV-120 High AF	100-	2,831-	288-	8,155-	9.8-	33.18
CV-120 High Vac	100-	2,831-	165-	4,672	15.5-	52.48
CV-200 High AF	160-	4,530-	250-	7,079-	14.4-	48.76
CV-200 High Vac	160-	4,530-	140-	3,964-	18-	60.95

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