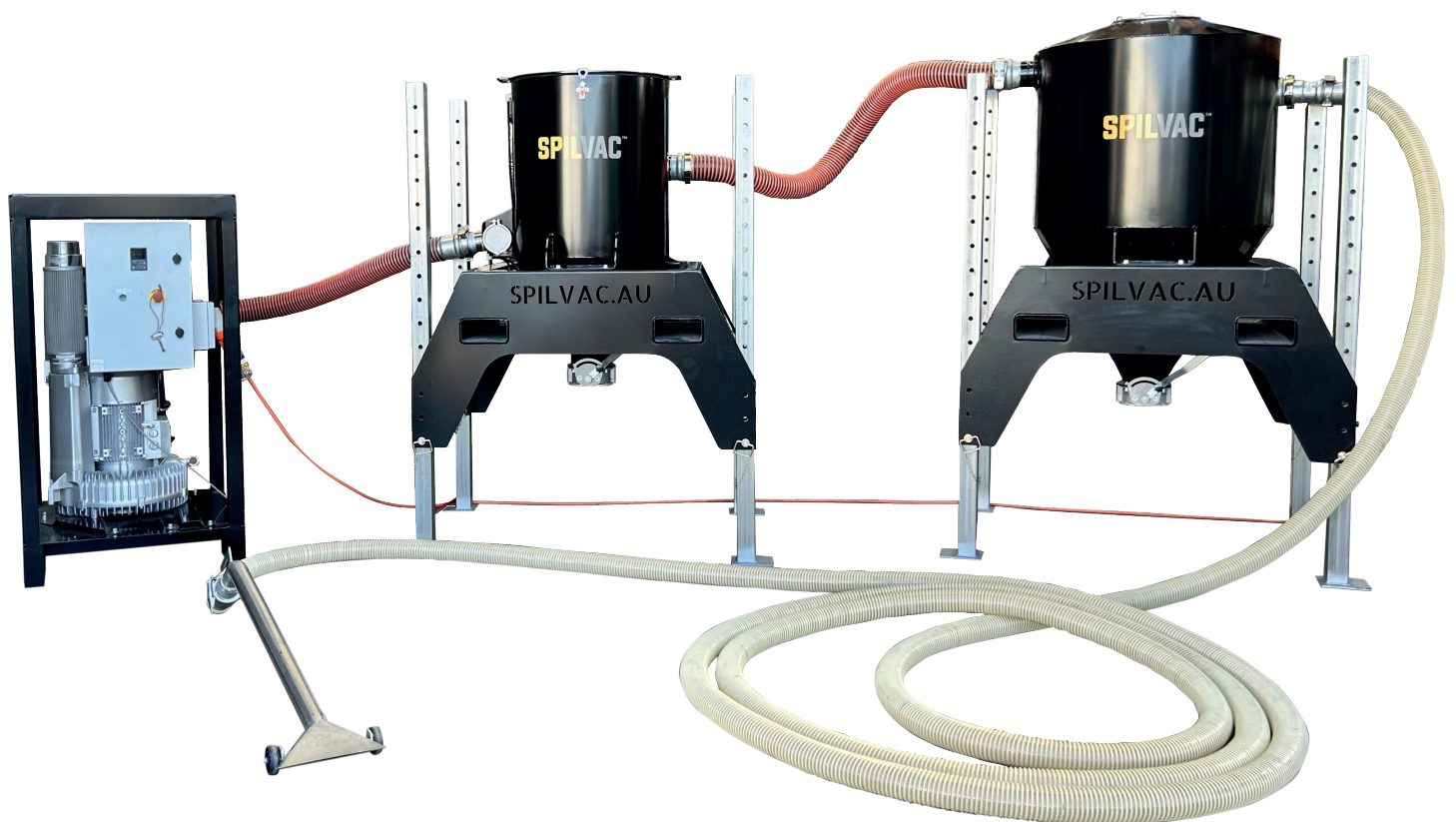




ELECTRIC SIDE CHANNEL SYSTEM

Robust and rugged side channel powered electrical vacuum system that is versatile and flexible to suit your operational needs. System includes separate units for power generation, dust collection/separation and bulk collection to suit any application. VSD with PLC controller allows for longevity and ease of use. Dust Collection module and Bulk collection module on height adjustable legs to allow you to position above whatever receptacle to suit your volume.

Electric Side Channel System - Technical Specification

12.5KW Power Generator Skid		Dust Collector on Legs		Bulk Hopper on Legs 600 Litres	
Practical recovery rate	2-3 t/hr - based on garnet. Factors influence this: hose type, hose diameter, hose length, number of bends and skill of operator	Supplied Hose	High abrasive Antistatic	Design	Round Powder coated steel Hopper on Galvanised SHS legs, height adjustable
Maximum recommended conveying distance	20m - the shorter distance the better	Compressed Air connection (for reverse pulse)	Nito	Intake	Waterfall / Wear plate / tangential
Maximum possible conveying distance	30m - but will have performance losses over distance	Dust / Collection Capacity	260 Litres - 1 tonne Garnet	Collection Capacity	600 Litres - 1 Tonne of Garnet (also have 880 litre option)
Recommended Hose Diameter (mm)	63 or 75mm	Dust Collector Filter	High Efficiency Filter Cartridge	Length	1500mm
Supplied Hose	30M - High Abrasive Antistatic	Number of Filter Cartridges (Dust Collector)	1	Width	1100mm
Electrical Supply Requirements	3 phase 400V 50-60Hz	Filter Material	Spun Bond Polyester	Height	1960 lowered - 3360mm elevated
Electrical Motor	12.5kw with VSD and PLC control	Filter Cleaning System	Automatic reverse pulse	Weight	230KG
Power consumption approx	10-28A	Reverse Air jet pulse - timing/pulse length	Air Driven timer adjustable / Electrical PLC adjustable	Outlet	Standard - High Abrasive Manual Butterfly Valve. Or - Rotary valve optional extra
Recommended fuse size	32A	Length	1400mm	Connections	Travis couplings
Air Flow Produced	650 cfm / 18.5 m3/min	Width	1100mm	Options	Fully Stainless Steel construction - POA
Maximum Vacuum	270 Mbar / -8 In Hg	Height	1960-3360mm when elevated		
Vacuum Producer	Side Channel Motor	Weight	230KG		
Dust Collector Filter	High Efficiency Filter Cartridge	Outlet	High Abrasive Quality Manual Butterfly Valve		
Number of Filter Cartridges	1	Connections	Travis couplings		
Filter Material	Spun Bond Polyester	Floor Tools / Aspirator Supplied	Stainless Steel Floor Tool - Included Stainless Steel Aspirator - Optional		
HEPA Filter	Optional	Options	Fully Stainless Steel construction - POA		
Machine Capable of vacuuming Wet product	No				
Noise Level	85DB				
Length	850mm				
Width	850mm				
Height	1400mm				
Weight	220KG				
Options	Fully Stainless Steel construction - POA				