



AIR ELEVATOR SKID SYSTEM

The Elevator skid system consists of both the vacuum generator with filter/dust separation hopper connected to 1 ton bulk hopper on purpose mounted skid. Condensed onto 1200x2500 footprint making this unit fully portable and not requiring significant set up time to be operational. The dust separation removes lights and fines from vacuumed product but also removes the filter from the bulk collection environment to help increase filter life and performance. High performance and fully pneumatic with automated reverse pulse filter cleaning. Capable of long length vacuum distances of both wet and dry product. Just position your blast pot, drum or bulk bag under the bulk hopper connect the air supply and your ready to convey large volumes of product. The skid has tyne slots for ease of forklift movement and lifting points for crane lifting. All units have HEPA filter option and is 100% Australian designed and manufactured, built to last.

Air Elevator Skid System - Technical Specification

Model	Elevator System 300	Elevator System 420	Elevator System 600	Elevator System 800
Description	Medium Industrial - Telescopic Pneumatic 300CFM Power Generator, Steel powder coated Hopper & Filter System mounted onto steel powder coated skid	Medium Industrial - Telescopic Pneumatic 420CFM Power Generator, Steel powder coated Hopper & Filter System mounted onto steel powder coated skid	Medium Industrial - Telescopic Pneumatic 600CFM Power Generator, Steel powder coated Hopper & Filter System mounted onto steel powder coated skid	Medium Industrial - Telescopic Pneumatic 800CFM Power Generator, Steel powder coated Hopper & Filter System mounted onto steel powder coated skid
Practical Recovery Rate	1-2 t/hr - based on garnet Factors influence this: hose type, hose diameter, hose length, number of bends and skill of operator.	2-3 t/hr - based on garnet Factors influence this: hose type, hose diameter, hose length, number of bends and skill of operator.	3-5 t/hr - based on garnet Factors influence this: hose type, hose diameter, hose length, number of bends and skill of operator.	4-7 t/hr - based on garnet Factors influence this: hose type, hose diameter, hose length, number of bends and skill of operator.
Maximum Recommended Conveying Distance (Metres)	20m - the shorter distance the better performance	30m - the shorter distance the better performance	50m - the shorter distance the better performance	60m - the shorter distance the better performance
Maximum Possible Conveying Distance	30m - but will have performance losses over distance	50m - but will have performance losses over distance	60m - but will have performance losses over distance	80m - but will have performance losses over distance
Recommended Hose Diameter (mm)	Depends on product being conveyed and over what distance but will be either 50 or 63 OD	Depends on product being conveyed and over what distance but will be either 50, 63 or 75 OD	Depends on product being conveyed and over what distance but will be either 63, 75, 101 OD	Depends on product being conveyed and over what distance but will be either 63, 75, 101 OD
Supplied Hose	High abrasive Antistatic	High abrasive Antistatic	High abrasive Antistatic	High abrasive Antistatic
Compressed Air Supply Requirements	100 CFM / 25KW / 144 HP @ 80PSI	140 CFM / 35KW / 202 HP @ 80PSI	200 CFM / 50KW / 288 HP @ 80PSI	280 CFM / 70KW / 404 HP @ 80PSI
Compressed Air Connection	Type A 3/4" claw coupling	Type A 3/4" claw coupling	Type A 3/4" claw coupling	Type A 3/4" claw coupling
Compressed Air Supply Piping/Hose Diameter Required Minimum	3/4" (19mm)	3/4" (19mm)	Either 2 x 1" supply or 1 x 2"	Either 2 x 1" supply or 1 x 2"
Air Flow Produced	300 CFM / 8.5 m3/min (at 1m from connection)	420 CFM / 11.8 m3/min (at 1m from connection)	600 CFM / 17 m3/min (at 1m from connection)	800 CFM / 22.6 m3/min (at 1m from connection)
Maximum Vacuum	609 Mbar / -18 InHGg	609 Mbar / -18 InHGg	609 Mbar / -18 InHGg	609 Mbar / -18 InHGg
Vacuum Producer	Air powered Venturi Vacuum generators	Air powered Venturi Vacuum generators	Air powered Venturi Vacuum generators	Air powered Venturi Vacuum generators
Hopper Capacity	260 Litres / 600 Litres	260 Litres / 600 Litres	260 Litres / 600 Litres	260 Litres / 600 Litres
Dust Collector Filter	High Efficiency Filter Cartridge	High Efficiency Filter Cartridge	High Efficiency Filter Cartridge	High Efficiency Filter Cartridge
Number of Filter Cartridges (Dust Collector)	1	1	1	1
Filter Material	Spun Bond Polyester	Spun Bond Polyester	Spun Bond Polyester	Spun Bond Polyester
Filter Cleaning System	Automated Reverse Pulse	Automated Reverse Pulse	Automated Reverse Pulse	Automated Reverse Pulse
Machine Capable of Vacuuming Wet Product	YES	YES	YES	YES
HEPA Certified Filter	Optional	Optional	Optional	Optional
Qty HEPA Filter	1	1	2	2
Noise Level	70 DB	75 DB	80 DB	80 DB
Length	1200mm	1200mm	1200mm	1200mm
Width	700mm / 1100mm	700mm / 1100mm	700mm / 1100mm	700mm / 1100mm
Height	2300mm collapsed	2300mm collapsed	2300mm collapsed	2300mm collapsed
Weight	1000KG	1000KG	1000KG	1000KG
Method to Move Item	Fork lift Tyne slots or lifting points	Fork lift Tyne slots or lifting points	Fork lift Tyne slots or lifting points	Fork lift Tyne slots or lifting points
Outlet for Product	High Abrasive resistant manual butterfly valve	High Abrasive resistant manual butterfly valve	High Abrasive resistant manual butterfly valve	High Abrasive resistant manual butterfly valve
Floor Tools/ Aspirator Supplied	Stainless Steel Floor Tool - Included Stainless Steel Aspirator - Optional	Stainless Steel Floor Tool - Included Stainless Steel Aspirator - Optional	Stainless Steel Floor Tool - Included Stainless Steel Aspirator - Optional	Stainless Steel Floor Tool - Included Stainless Steel Aspirator - Optional
Options	Fully Stainless Steel construction - POA	Fully Stainless Steel construction - POA	Fully Stainless Steel construction - POA	Fully Stainless Steel construction - POA