







Engineered Products Catalog



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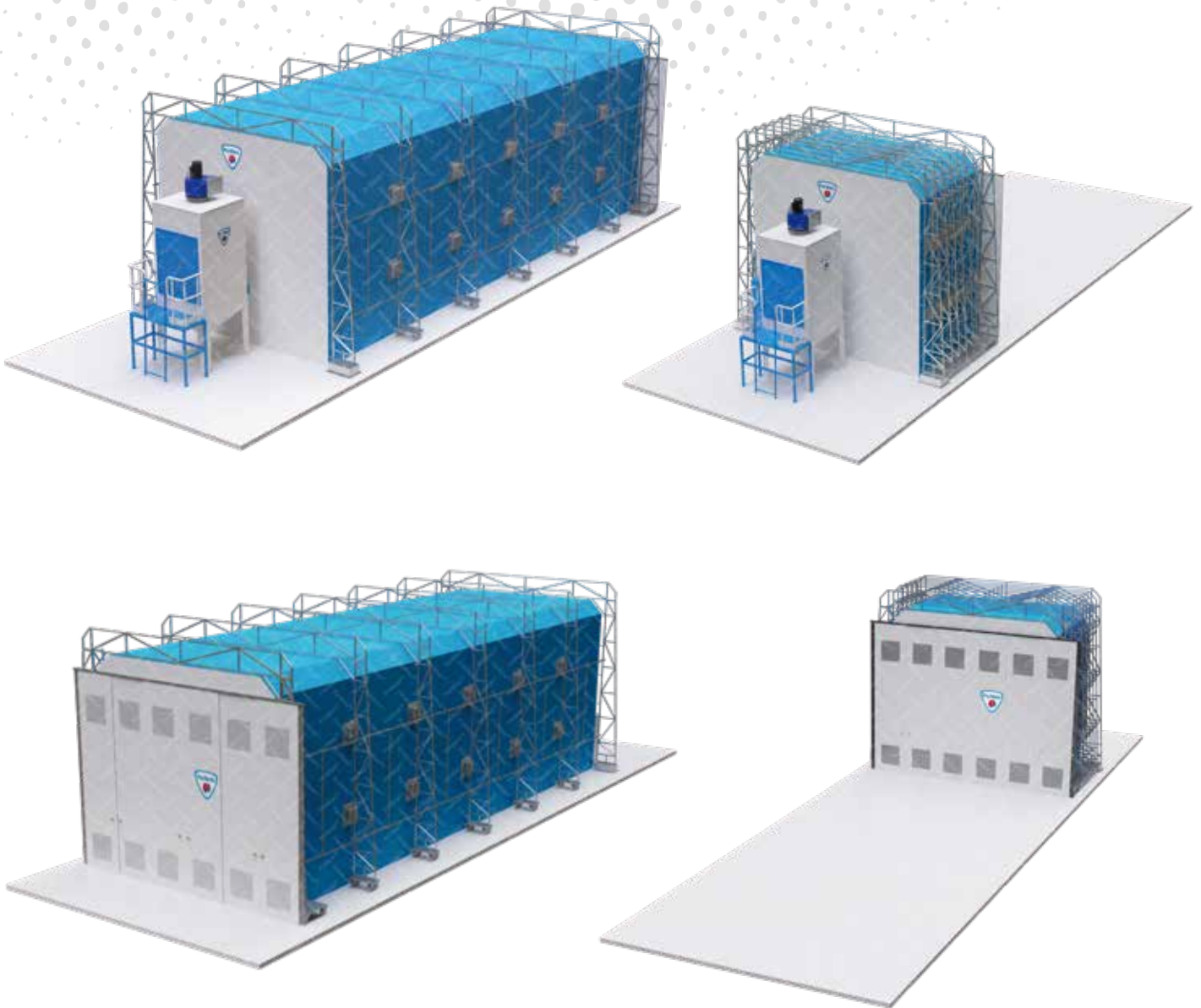
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Engineered Products Process Flow





Retractable Concertina Containment Enclosure



Product Description

The PanBlast Retractable Concertina Containment Enclosure is ideal for blasting and/or painting operations, and is designed to collapse and extend to facilitate loading and unloading of workpieces, this also allows the floor space to be used for other work when the containment enclosure is not in use. To extend and retract the enclosure, a drive system is provided with wireless remote control. In the retracted position, the room length will be approximately 1/3 of its original length.

The retractable enclosure consists of steel frames mounted on heavy-duty casters, with fire-retardant fabric attached to the structure. To protect the fabric, replaceable 3mm thick rubber sheets are hung in strips, and protect the entire internal surface of the containment enclosure.

Enclosure illumination is provided by evenly spaced LED lighting modules mounted to the side walls. A suitably sized ventilation dust collector system is supplied with each enclosure. These dust collectors feature cartridge filters with automatic reverse air pulse jet cleaning.

On one side of the containment enclosure, a suitable emergency escape panel will be provided. The enclosure is suitable for outdoors installation and is designed for moderate wind speeds up to 32 km/h (20 mph). Suitable tie-down points will be provided to attach the enclosure to the floor foundation using guy lines.



PFE&VFE Paint Fume Extractors & VOC Arrestors



Product Description

The PanBlast Paint Fume Extractor & VOC Arrestor Series are used for extracting paint fumes from enclosed structures such as painting rooms, or blasting and painting rooms.

The system is usually used in parallel with Ventilation Dust Collectors, but may be used independently by itself for dedicated painting rooms with flow rates upgraded accordingly. The minimum required combined ventilation flow rate for each enclosed structure needs to be sized in accordance to the particle loading expected within the enclosure during operation, and the volumetric size of the structure.

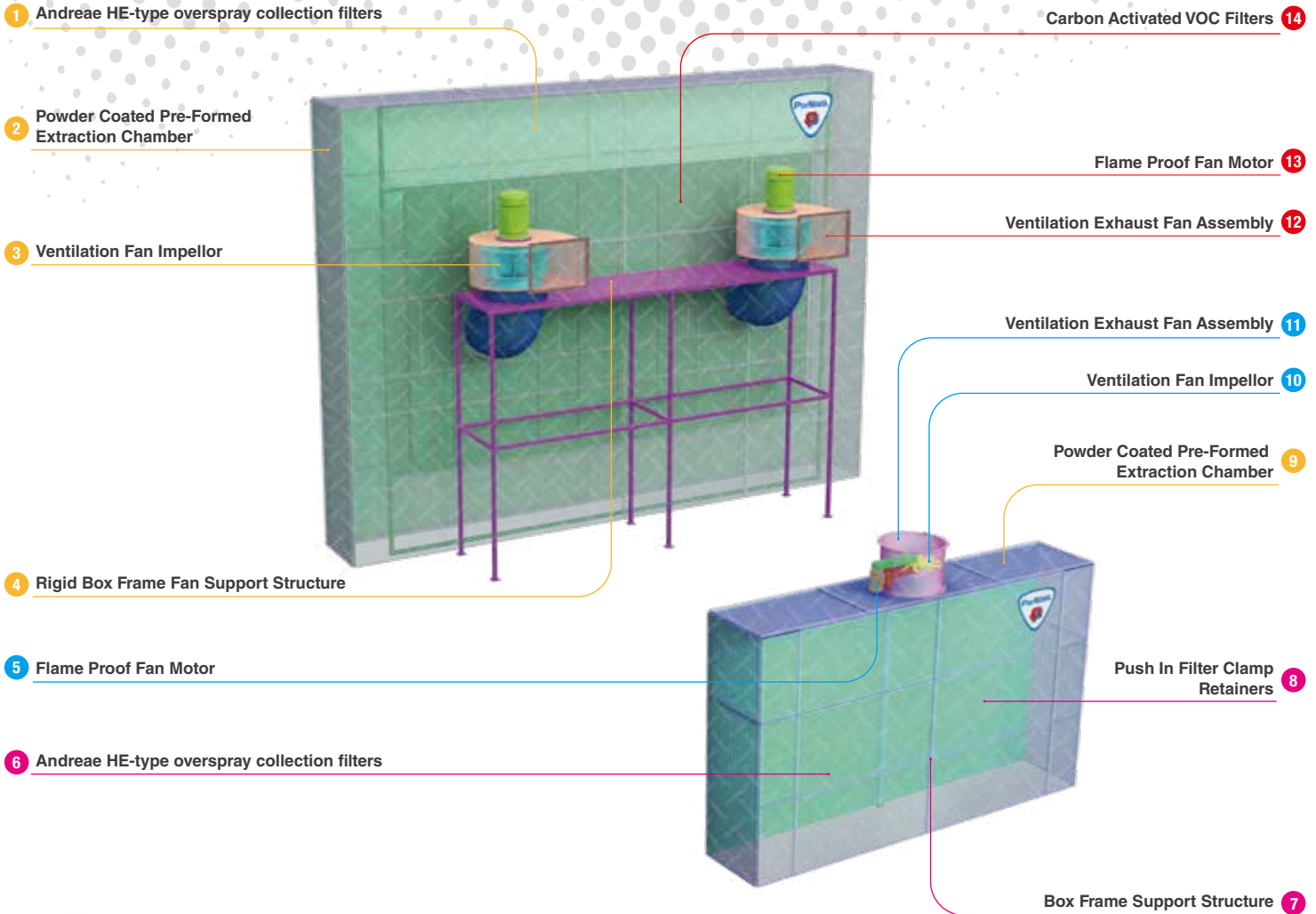
This filtering system draws non-pressurized fresh cross-draft flowing air from the inlet air supply plenums, pulling the airflow horizontally across the entire enclosure work area. Mounted in the filter frame are the Andreae HE-type overspray collection filters, with a polyester secondary filter with a high paint holding capacity of 15kgs per m². The paint filtration efficiency ranges from 98.2% to 99.4%.

Paint overspray is drawn through the filter medium, where it undergoes several rapid changes of direction and pressure. Because the paint droplets in the overspray have a greater mass than the air molecules, and the design of the filter causes airflow turbulence, these paint droplets are thrown against the filter medium and absorbed, allowing only the clean air to pass through the filter.

Positioned after the Andreae filters is a bank of optional activated carbon VOC (volatile organic compound) absorption filters that will remove the majority of the VOC's from the exhaust air and maintain the VOC's in the room below 25% of the LEL as required by EN 16985 : 2018 Spray Booths For Organic Coating Material - Safety Requirements. Cleaned and filtered air will then be returned to atmosphere via explosion and flame proof motor driven fans.



All data and information subject to change without prior notice. Brochure reference EPC-0104-00



Specification Summary

Area	Feature	FUME EXTRACTOR ONLY					
		PFE1	PFE2	PFE3	PFE4	PFE5	PFE6
Model	Size	3m (W) x 3m (H) x 1 unit	4m (W) x 3m (H) x 1 unit	5m (W) x 4m (H) x 1	6m (W) x 5m (H)	8m (W) x 6m (H)	10m (W) x 8m (H)
	Open Face Area m ²	9.0	12.0	20.0	30.0	48.0	80.0
	Face Velocity m/min	40.0	53.3	50.0	48.0	53.3	50.0
Fan	Total Fan Capacity m ³ /min	360.0	640.0	1000.0	1440.0	2560.0	4000.0
	Number of Fans	1 @ 360 m ³ /min	1 @ 640 m ³ /min	1 @ 1000 m ³ /min	2 @ 720 m ³ /min	3 @ 854 m ³ /min	4 @ 1000 m ³ /min
	Static Pressure mm/fig	25.0	25.0	25.0	25.0	25.0	25.0
	Power kW per fan	3.7	5.5	11.0	7.5	9.3	11.0
	Total kW for fans	3.7	5.5	11.0	15.0	18.6	22.0
	Type	Belt Drive Axial	Belt Drive Axial	Belt Drive Axial	Belt Drive Axial	Belt Drive Axial	Belt Drive Axial
	Exhaust Duct Diameter	750 mm	850 mm	1100 mm	950 mm	1000 mm	1100 mm
Filter	Area m ²	8	12	20	30	48	80
	Type/Material	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter
External Dimensions	L x W x H in M	3.1m L x 4.1m H x 1.1m W	4.1m L x 4.1m H x 1.1m W	5.1m L x 5.1m H x 1.1m W	6.1m L x 6.1m H x 1.1m W	8.1m L x 7.1m H x 1.1m W	10.1m L x 9.1m H x 1.1m W
Overall Weight	Tonnes	450	600	1000	1500	2400	4000
Area	Feature	FUME EXTRACTOR WITH VOC REMOVAL					
		VFE1	VFE2	VFE3	VFE4	VFE5	VFE6
Model	Size	3m (W) x 3m (H) x 1 unit	4m (W) x 3m (H) x 1 unit	5m (W) x 4m (H) x 1	6m (W) x 5m (H)	8m (W) x 6m (H)	10m (W) x 8m (H)
	Open Face Area m ²	9.0	12.0	20.0	30.0	48.0	80.0
	Face Velocity m/min	40.0	53.3	50.0	48.0	53.3	50.0
Fan	Total Fan Capacity m ³ /min	360.0	640.0	1000.0	1440.0	2560.0	4000.0
	Number of Fans	1 @ 360 m ³ /min	1 @ 640 m ³ /min	1 @ 1000 m ³ /min	2 @ 720 m ³ /min	2 @ 1280 m ³ /min	2 @ 2000 m ³ /min
	Static Pressure mm/fig	100.0	100.0	100.0	100.0	100.0	100.0
	Power kW per fan	18.5	30.0	45.0	37.0	55.0	75.0
	Total kW for fans	18.5	30.0	45.0	74.0	110.0	150.0
	Type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Exhaust Duct Diameter	600mm x 450mm	650mm x 490mm	900mm x 675mm	700mm x 525mm	1000mm x 750mm	1300mm x 975mm
Filter	Area m ²	8	12	20	30	48	80
	Type/Material	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter	Andreae HE/Paper with Secondary Fibre Filter
External Dimensions	L x W x H in M	3.1m L x 4.1m H x 1.1m W	4.1m L x 4.1m H x 1.1m W	5.1m L x 5.1m H x 1.1m W	6.1m L x 6.1m H x 1.1m W	8.1m L x 7.1m H x 1.1m W	10.1m L x 9.1m H x 1.1m W
Overall Weight	Tonnes	506	712	1168	1738	2820	4672



MINI Abrasive Vacuum Recovery System



Product Description

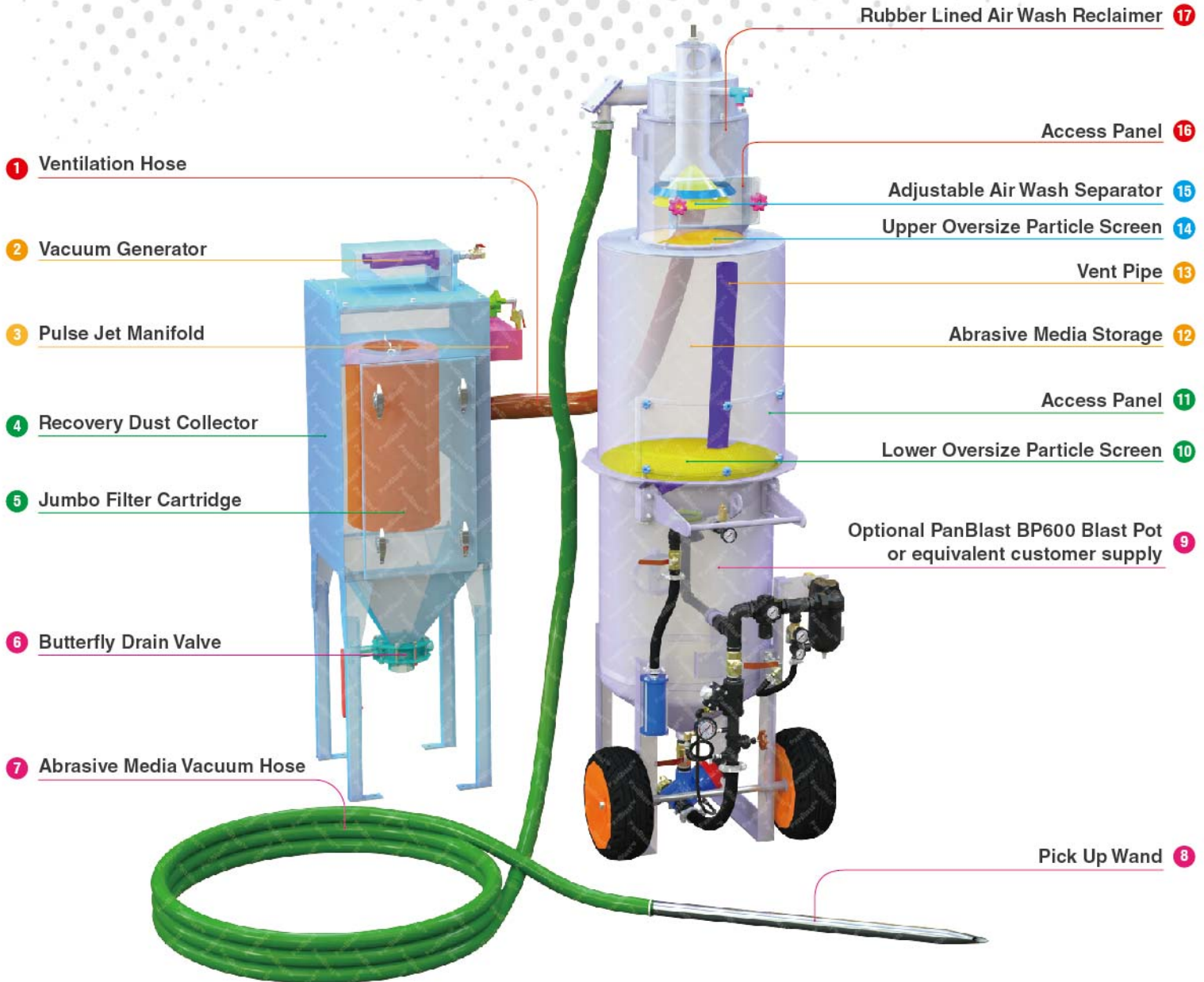
The PanBlast MINI Abrasive Media Vacuum Recovery & Recycling System is a combination vacuum recovery and abrasive media recycling system designed for the efficient vacuum recovery and separation of recyclable abrasive media such as garnet, aluminum oxide, glass beads, etc... The fully integrated system incorporates a flexible 10 meters long vacuum recovery hose from the system module for vacuum recovery of recyclable abrasive media.

A fully adjustable air wash separator/reclaimer features adjustable inner and outer cones, thereby allowing the intensity of the separation process to be adjusted to suit individual operating conditions and varying abrasive media types and sizes. This process ensures that fine particles and dust are removed so only cleaned recyclable abrasive media is fed back to the blast pot.

The vacuum recovery suction is generated by a dedicated pneumatic venturi driven single jumbo cartridge "down draft" type recovery dust collector, and features a reverse pulse jet cleaning system.



All data and information subject to change without prior notice. Brochure reference EPC-0202-00



Specification Summary

	Recovery Dust Collector	Air Wash Reclaimer
Max. Air Flow	150 CFM (4.25m ³ /min)	150 CFM (4.25m ³ /min)
Cartridge	One 320mm diameter x 660mm long	N/A
Cartridge Cleaning	Reverse Pulse Jet	N/A
Abrasive Pick Up	N/A	Pick Up Wand
Reclaimer Protection	N/A	Rubber Lined Wear Plate
Oversize Particle	N/A	Internal Particle Screen
Dust Particle Drain	Wide Throat Butterfly Valve	N/A
System Coating	Powder Coated	Powder Coated
Max. Operating Pressure	100 psi (689 kPa)	100 psi (689 kPa)
Dimensions	65cm x 80cm x 205cm	75cm x 75cm x 155cm
Weight	178 kg	180 kg



COMPLEMENT TO PRODUCT CATALOG

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