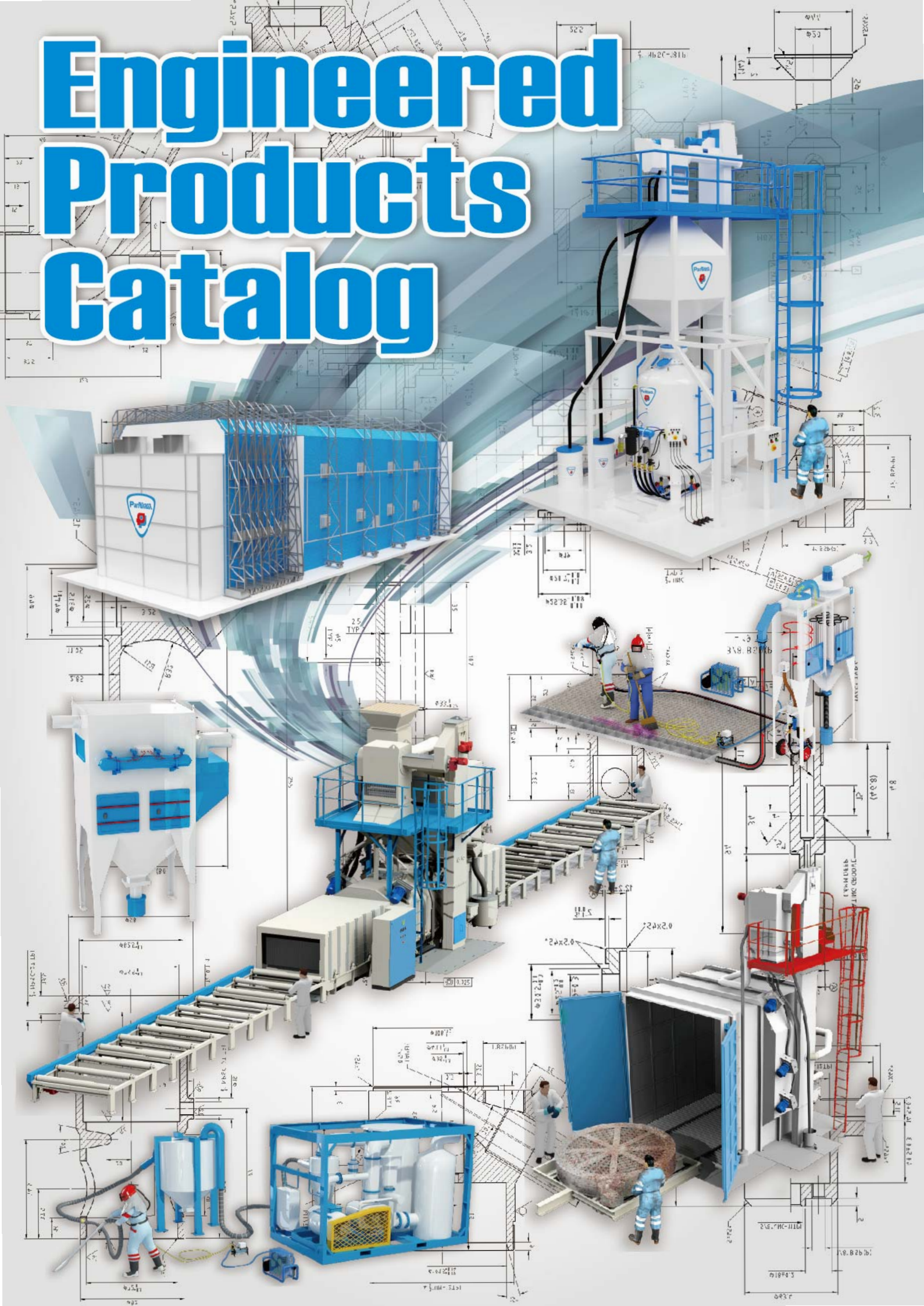
Engineered Products Catalog



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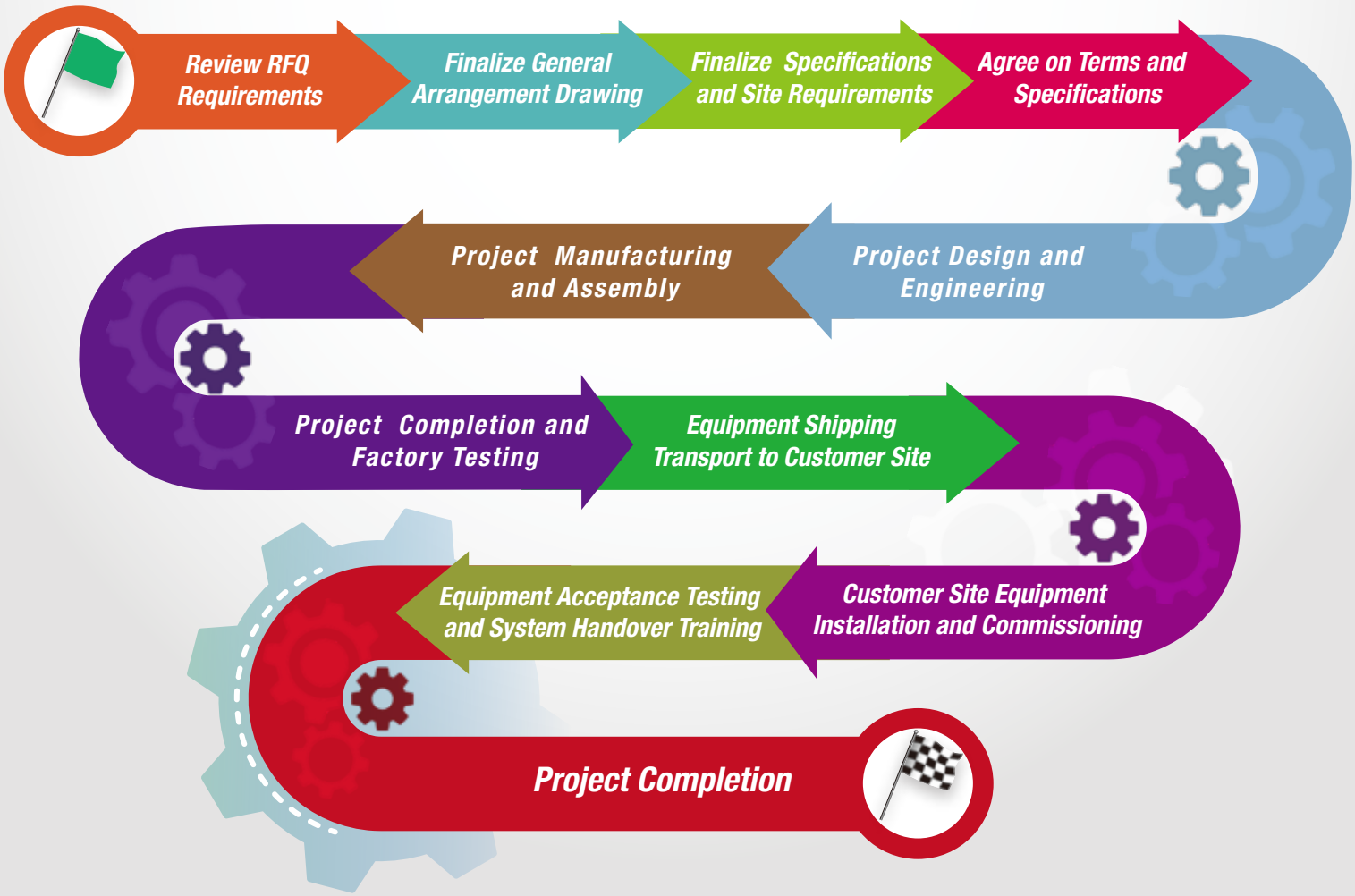
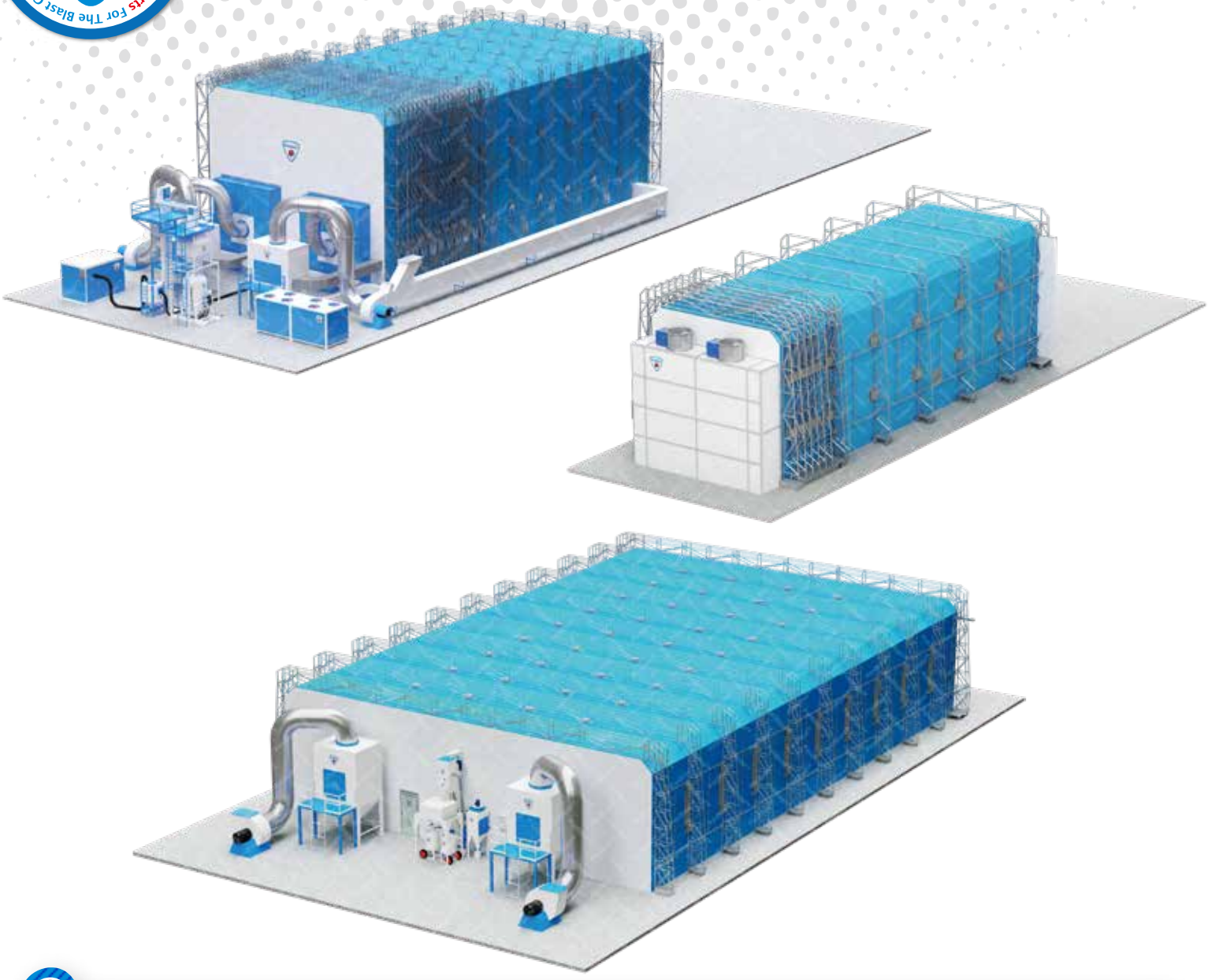


Blast & Paint Room Configurator - Portable Type



Product Description

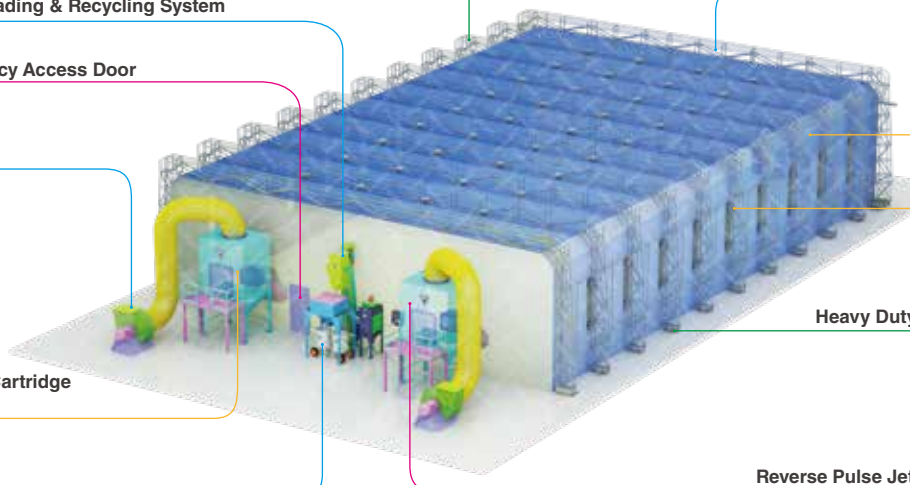
PanBlast's comprehensive range of standard and engineered product system components can be used to configure blast and / or paint rooms in multiple sizes ranging from small to ultra large, and can be used in both portable and fixed dedicated facilities. The system components required for portable and fixed systems are essentially identical except for the containment enclosure itself. A blast and / or paint room generally consists of the following system components :

- Portable or fixed containment enclosure
- Ventilation system for the containment enclosure
- Abrasive blasting system
- Abrasive recovery, recycling and loading system
- Painting system
- Paint fume and VOC extraction and removal system
- Enclosure temperature and humidity control system

The following configuration matrix shows the various system components that can be mixed / matched to configure fixed blast and / or paint rooms. When configuring a system, the columns of the matrix will show several standard sized models while the corresponding rows below will show possible options for the given model.

If a component's model is not specifically mentioned, use the column numbering itself to match components. For example, the RCE3 Retractable Concertina Containment Enclosure should be matched with PFE3 Paint Fume Extractor system. Special sizes and / or configurations can also be accommodated, so contact us with your requirements if the standard configurations shown are not suitable.

Blast & Paint Room Configurator - Portable Type



1. Fire Retardant Outer Fabric conforming to ISO 15025 A and B
2. UltraFlo Abrasive Media Loading & Recycling System
3. Blasting Operator Emergency Access Door
4. Ventilation Dust Collector Centrifugal Fan Assembly
5. Ventilation Dust Collector Cartridge Maintenance Platform
6. Twin BP600 Automatic Pressure Blast Pots
7. Reverse Pulse Jet Cartridge Ventilation Dust Collector
8. Heavy Duty Caster Wheels for Room Retraction
9. LED Power Saver Light Assemblies
10. Durable Internal Rubber Lining
11. Heavy Duty Retractable Skeletal Outer Frame

Specification Summary

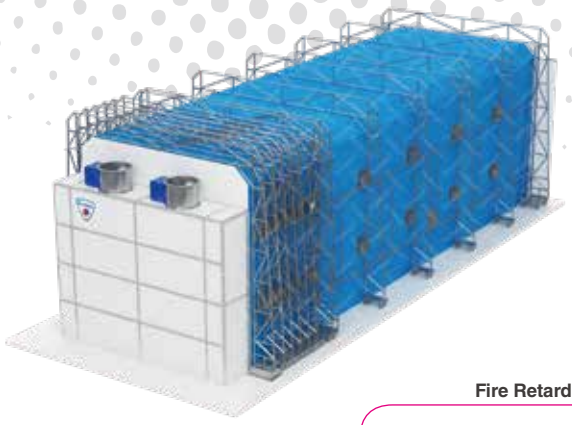
CAT - PanBlast Product Catalog EPC - PanBlast Engineered Products Catalog

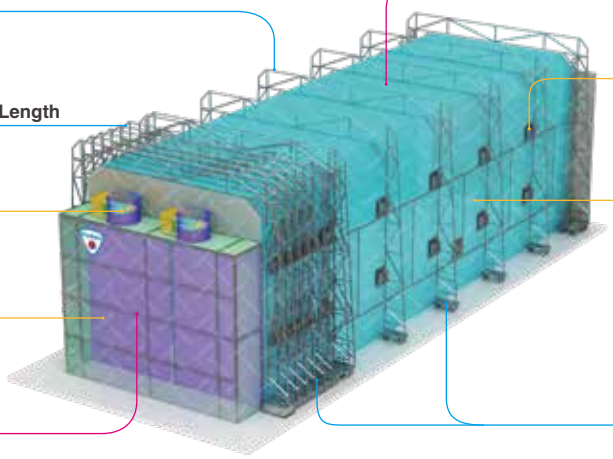
Retractable Concertina Containment Enclosure with Ventilation Dust Collector

Enclosure Size & Dust Collector Flow Rating	Model	RCE1	RCE2	RCE3	RCE4	RCE5	RCE6
	Specifications	6m (L) x 3m (W) x 3m (H) 50 m³/min (1750 CFM)	12m (L) x 4m (W) x 4m (H) 200 m³/min (7050 CFM)	18m (L) x 5m (W) x 5m (H) 225 m³/min (7875 CFM)	24m (L) x 6m (W) x 6m (H) 450 m³/min (16000 CFM)	30m (L) x 8m (W) x 8m (H) 950 m³/min (33500 CFM)	36m (L) x 10m (W) x 10m (H) 1700 m³/min (60000 CFM)
Alternate Blasting Systems	Blast Pots CAT Section 1	One BP600 - 1	One or Two BP600 - 1	One or Two BP600 - 1	Up to Four BP600 - 1	Up to Four BP600 - 1	Up to Eight BP600 - 1
	Bulk Blast Pot CAT Section 1	N/A	N/A	One BB120 Bulk Blaster	One BB120 Bulk Blaster	One BB120 Bulk Blaster	Two BB120 Bulk Blaster
Alternate Abrasive Media Recycling System	Sweep Up PB Series EPC Section 2	One PB2 Recycling & Loading Station	One PB2 Recycling & Loading Station	One PB2 Recycling & Loading Station	One PB1 Recycling & Loading Station	One PB1 Recycling & Loading Station	Two PB1 Recycling & Loading Station
	Sweep Up ProFlo / UltraFlo CAT Section 14	One ProFlo Recycling System	ProFlo for One BP600-1 UltraFlo for Two BP600-1	ProFlo for One BP600-1 UltraFlo for Two BP600-1	Two UltraFlo for Four BP600-1	Two UltraFlo for Four BP600-1	N/A
	SP Series Bulk Abrasives Vacuum EPC Section 2	SP15	SP30	SP30	SP60	SP60	SP60
	Partial Floor Waffle Floor Vacuum EPC Section 2	45 Degree Waffle 3m (9.9') Long	45 Degree Waffle 4m (13.2') Long	45 Degree Waffle 5m (15.6') Long	45 Degree Waffle 6m (19.8') Long	45 Degree Waffle 8m (26.4') Long	45 Degree Waffle 10m (33') Long
Optional Dehumidifier Systems	Industrial Dehumidifier EPC Section 4	6000 m³/hour (3530 CFM)	6000 m³/hour (3530 CFM)	6000 m³/hour (3530 CFM)	6000 m³/hour (3530 CFM)	6000 m³/hour (3530 CFM)	9000 m³/hour (5300 CFM)
Optional Painting Systems	Airless Spray Pumps CAT Section 17	One 63:1 Package	Two 63:1 Package	Two 63:1 Package	Four 63:1 Package	Six 63:1 Package	Six 63:1 Package
Additional Paint Fume Extraction with VOC Capture (Required When Painting System Selected)	Paint Fume Extractor & VOC Arrestor EPC Section 1	360 m³/min (12700 CFM)	640 m³/min (22580 CFM)	1000 m³/min (35280 CFM)	1440 m³/min (50803 CFM)	2560 m³/min (90316 CFM)	4000 m³/min (141120 CFM)

★ Note: We reserve the right to change the dimension & specs without prior notice. Please contact PanBlast for customized configurations not shown above.

Blast & Paint Room Configurator - Portable Type





1. Heavy Duty Retractable Skeletal Outer Frame Supports
2. Concertina Room Retracted to 1/3 of Operational Length
3. Explosion Proof Ventilation Extraction Fans
4. Paint Fume Extraction Filter Bank
5. Optional Carbon Activated VOC Capture Filters
20. Heavy Duty Caster Wheels for Room Retraction
21. Durable Internal Rubber Lining
22. LED Power Saver Light Assemblies
23. Fire Retardant Outer Fabric conforming to ISO 15025 A and B

6. Heavy Duty Retractable Skeletal Outer Frame Supports
7. Concertina Room Retracted to 1/3 of Operational Length
8. Paint Fume Extraction Filter Bank with Carbon Activated VOC Capture Filters
9. Abrasive Media Recycling System with Rotary Drum Separator
10. SP60 Abrasive Media Vacuum Recovery System
11. SP60 Grit Recovery Silo
12. BB120 – 3360Liter 4 Operator Bulk Blast Pot
13. Reverse Pulse Jet Cartridge Ventilation Dust Collector
14. DH18000CMH Dehumidifier System
15. Dehumidified Air Partial Bleed of Exhaust Assembly
16. Dehumidified Air Recycled Air Duct
17. Durable Internal Room Rubber Lining
18. LED Power Saver Light Assemblies
19. Fire Retardant Outer Fabric conforming to ISO 15025 A and B

All data and information subject to change without prior notice. Brochure reference EPC-0001-00

Alternate Abrasive Media Recycling System

Alternate Blasting Systems

Optional Painting Systems

Optional Dehumidifier Systems

Additional Paint Fume Extraction with VOC Capture

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Alternate & Optional Equipment Selections

1. Blast Pots CAT Section 1
2. Bulk Blast Pot CAT Section 1
3. Sweep Up PB Series EPC Section 2
4. Sweep Up ProFlo / UltraFlo CAT Section 14
5. SP Series Bulk Abrasives Vacuum EPC Section 2
6. Partial Waffle Floor Vacuum EPC Section 2
7. Industrial Dehumidifier EPC Section 4
8. Paint Fume Extractor & VOC Arrestor EPC Section 1
9. Airless Spray Pumps CAT Section 17

Blast & Paint Room Configurator - Fixed Type

Product Description

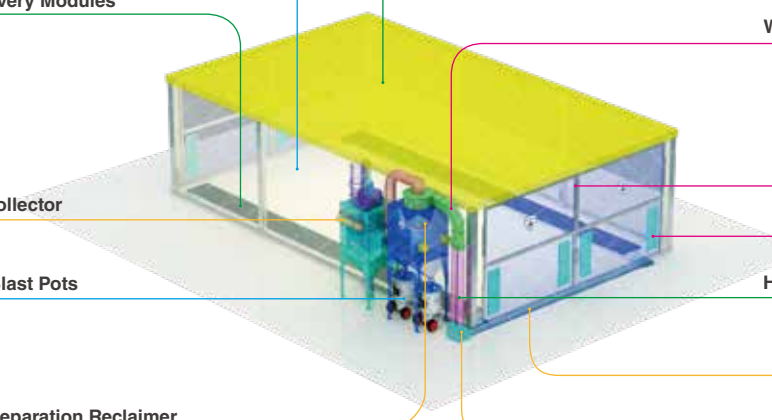
PanBlast's comprehensive range of standard and engineered product system components can be used to configure blast and / or paint rooms in multiple sizes ranging from small to ultra large, and can be used in both portable and fixed dedicated facilities. The system components required for portable and fixed systems are essentially identical except for the containment enclosure itself. A blast and / or paint room generally consists of the following system components :

- Portable or fixed containment enclosure
- Ventilation system for the containment enclosure
- Abrasive blasting system
- Abrasive recovery, recycling and loading system
- Painting system
- Paint fume and VOC extraction and removal system
- Enclosure temperature and humidity control system

The following configuration matrix shows the various system components that can be mixed / matched to configure fixed blast and / or paint rooms. When configuring a system, the columns of the matrix will show several standard sized models while the corresponding rows below will show possible options for the given model. Automatic Pressure Blast Pots, Choice of 2,4 or 6 units

If a component's model is not specifically mentioned, use the column numbering itself to match components. For example, the DCE3 Dedicated Containment Enclosure should be matched with PFE3 Paint Fume Extractor system. Special sizes and / or configurations can also be accommodated, so contact us with your requirements if the standard configurations shown are not suitable.

Blast & Paint Room Configurator - Fixed Type



1. Internal Blast Resistant Rubber Curtains
2. Waffle Floor Abrasive Media Recovery Modules
3. Media Recovery Cartridge Dust Collector
4. Dual BP600 Automatic Pressure Blast Pots
5. Fully Adjustable Cyclonic Media Separation Reclaimer
6. Dual Waffle Transition Adaptor
7. Cross Feed Waffle Module Connection Duct
8. Heavy-Duty Abrasive Media Recovery Hoses
9. Clean Air Inlet Louvers
10. Full Size Blast Room Access Doors with Safety Interlocking
11. Wear Back Bend with Internal Rubber Lining
12. Structural Steel & Panel Blast Room Enclosure

Specification Summary

CAT - PanBlast Product Catalog EPC - PanBlast Engineered Products Catalog

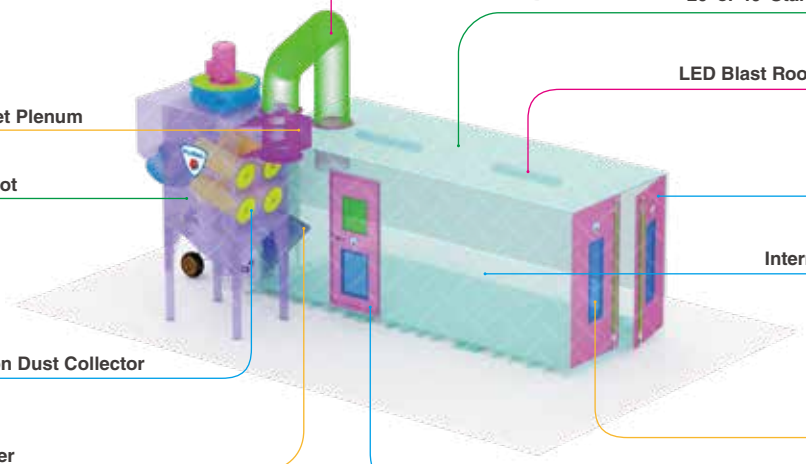
Dedicated Containment Enclosure with Ventilation Dust Collector

Enclosure Size & Dust Collector Flow Rating	Model	DCE1	DCE2	DCE3	DCE4	DCE5	DCE6
	Specifications	6m (L) x 3m (W) x 3m (H) 50 m³/min (1750 CFM)	12m (L) x 4m (W) x 4m (H) 200 m³/min (7050 CFM)	18m (L) x 5m (W) x 5m (H) 225 m³/min (7875 CFM)	24m (L) x 6m (W) x 6m (H) 450 m³/min (16000 CFM)	30m (L) x 8m (W) x 8m (H) 950 m³/min (33500 CFM)	36m (L) x 10m (W) x 10m (H) 1700 m³/min (60000 CFM)
Alternate Blasting Systems	Blast Pots CAT Section 1	One BP600 - 1	One or Two BP600 - 1	One or Two BP600 - 1	Up to Four BP600 - 1	Up to Four BP600 - 1	Up to Eight BP600 - 1
	Bulk Blast Pot CAT Section 1	N/A	N/A	One BB120 Bulk Blaster	One BB120 Bulk Blaster	One BB120 Bulk Blaster	Two BB120 Bulk Blaster
Alternate Abrasive Media Recycling System	Sweep Up PB Series EPC Section 2	One PB2 Recycling & Loading Station	One PB2 Recycling & Loading Station	One PB2 Recycling & Loading Station	One PB1 Recycling & Loading Station	One PB1 Recycling & Loading Station	Two PB1 Recycling & Loading Station
	Sweep Up ProFlo / UltraFlo CAT Section 14	One ProFlo Recycling System	ProFlo for One BP600-1 UltraFlo for Two BP600-1	ProFlo for One BP600-1 UltraFlo for Two BP600-1	Two UltraFlo for Four BP600-1	Two UltraFlo for Four BP600-1	N/A
	SP Series Bulk Abrasives Vacuum EPC Section 2	SP15	SP30	SP30	SP60	SP60	SP60
	Partial Floor Waffle Floor Vacuum EPC Section 2	1 x 1000mm Wide Waffle 6m (19.8') Long	1 x 1000mm Wide Waffle 12m (39.6') Long	1 x 1000mm Wide Waffle 18m (59.4') Long	1 x 1500mm Wide Waffle 24m (79.2') Long	1 x 1500mm Wide Waffle 30m (99') Long	N/A
	Full Floor Waffle Floor Vacuum EPC Section 2	3 x 1000mm Wide Waffle 6m (19.8') Long	4 x 1000mm Wide Waffle 12m (39.6') Long	5 x 1000mm Wide Waffle 18m (59.4') Long	4 x 1500mm Wide Waffle 24m (79.2') Long	5 x 1500mm Wide Waffle 24m (79.2') Long	N/A
	Partial Floor Mechanical Screw Conveyor EPC Section 2	1 x Screw Conveyor 6m (19.8') Long	1 x Screw Conveyor 12m (39.6') Long	1 x Screw Conveyor 18m (59.4') Long	1 x Screw Conveyor 24m (79.2') Long	1 x Screw Conveyor 30m (99') Long	1 x Screw Conveyor 36m (118.8') Long
	Triple Mechanical Screw Conveyor EPC Section 2	2 x Screw Conveyors 6m (19.8') Long & 1 x Cross Screw Conveyor 3m (9.9') Long	2 x Screw Conveyors 12m (39.6') Long & 1 x Cross Screw Conveyor 4m (13.2') Long	2 x Screw Conveyors 18m (59.4') Long & 1 x Cross Screw Conveyor 5m (16.5') Long	2 x Screw Conveyors 24m (79.2') Long & 1 x Cross Screw Conveyor 6m (19.8') Long	2 x Screw Conveyors 30m (99') Long & 1 x Cross Screw Conveyor 8m (26.4') Long	2 x Screw Conveyors 36m (118.8') Long & 1 x Cross Screw Conveyor 10m (33') Long
	Partial Floor Mechanical Belt Conveyor EPC Section 2	1 x Belt Conveyor 6m (19.8') Long	1 x Belt Conveyor 12m (39.6') Long	1 x Belt Conveyor 18m (59.4') Long	1 x Belt Conveyor 24m (79.2') Long	1 x Belt Conveyor 30m (99') Long	1 x Belt Conveyor 36m (118.8') Long
	Triple Combination Belt & Screw Conveyor EPC Section 2	2 x Belt Conveyors 6m (19.8') Long & 1 x Cross Screw Conveyor 3m (9.9') Long	2 x Belt Conveyors 12m (39.6') Long & 1 x Cross Screw Conveyor 4m (13.2') Long	2 x Belt Conveyors 18m (59.4') Long & 1 x Cross Screw Conveyor 5m (16.5') Long	2 x Belt Conveyors 24m (79.2') Long & 1 x Cross Screw Conveyor 6m (19.8') Long	2 x Belt Conveyors 30m (99') Long & 1 x Cross Screw Conveyor 8m (26.4') Long	2 x Belt Conveyors 36m (118.8') Long & 1 x Cross Screw Conveyor 10m (33') Long
Optional Dehumidifier Systems	Industrial Dehumidifier EPC Section 4	6000 m³/hour (3530 CFM)	6000 m³/hour (3530 CFM)	6000 m³/hour (3530 CFM)	6000 m³/hour (3530 CFM)	6000 m³/hour (3530 CFM)	9000 m³/hour (5300 CFM)
Optional Painting Systems	Airless Spray Pumps CAT Section 17	One 63:1 Package	Two 63:1 Package	Two 63:1 Package	Four 63:1 Package	Six 63:1 Package	Six 63:1 Package
Additional Paint Fume Extraction with VOC Capture (Required When Painting System Selected)	Paint Fume Extractor & VOC Arrestor EPC Section 1	360 m³/min (12700 CFM)	640 m³/min (22580 CFM)	1000 m³/min (35280 CFM)	1440 m³/min (50803 CFM)	2560 m³/min (90316 CFM)	4000 m³/min (141120 CFM)

★ Note: We reserve the right to change the dimension & specs without prior notice. Please contact PanBlast for customized configurations not shown above.

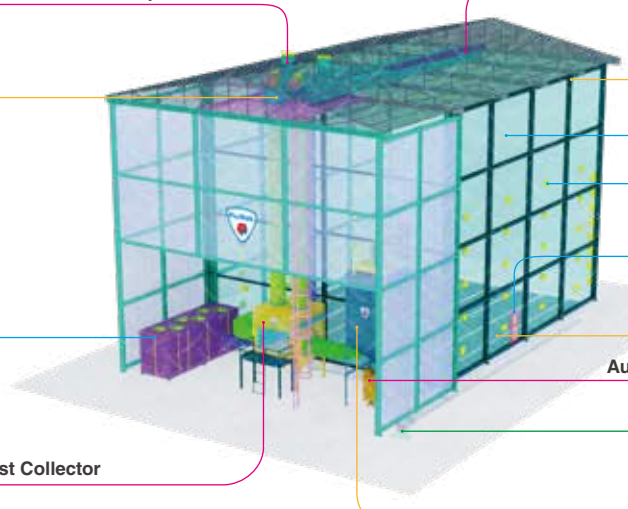
Blast & Paint Room Configurator - Fixed Type

1. Rear Mounted ProFlo Abrasive Media Loading & Recycling System
2. Abrasive Resistant Dust Collector Inlet Plenum
3. BP600 Automatic Pressure Blasting Pot
4. Reverse Pulse Jet Cartridge Ventilation Dust Collector
5. ProFlo Abrasive Media Loading Hopper



24. 20' or 40' Standard Shipping Container Enclosure
23. LED Blast Room Lights with Dust Proof Enclosure
22. Dual Access Blast Room Doors with Safety Interlocking
21. Internal Blast Resistant Rubber Curtains
20. Clean Air Inlet Louvers
19. Blasting Operator Emergency Access Door

6. Auto Flapper Flow System for Recycled Dehumidified Air Input
7. Ventilation Dust Collector Centrifugal Fan Assemblies
8. DH18000CMH Dehumidifier System
9. Reverse Pulse Jet Cartridge Ventilation Dust Collector



18. Dehumidified Air Inlet Ducting
17. Structural Steel & Steel Panel Blast Room Enclosure
16. Internal Blast Resistant Rubber Curtains
15. LED Power Saver Light Assemblies
14. Blasting Operator Emergency Access Door
13. Side Wall Long Recovery Media Screw Conveyor
12. Automatic Pressure Blast Pots, Options of 2,4 or 6 units
11. Bucket Elevator Feed Boot
10. PB2 Abrasive Media Recycling System with Oversize Particle Rotary Drum Separator

Alternate Abrasive Media Recycling System

Alternate Blasting Systems

Optional Painting Systems

Additional Paint Fume Extraction with VOC Capture

Optional Dehumidifier Systems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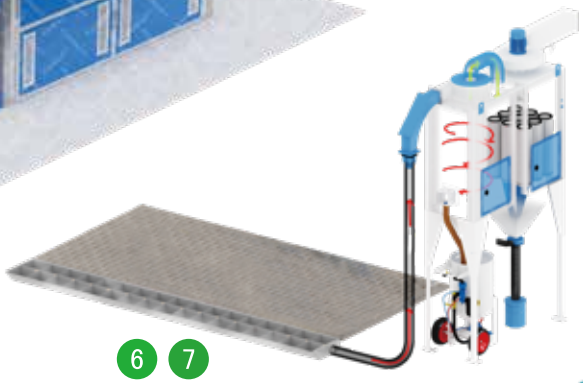
6 7


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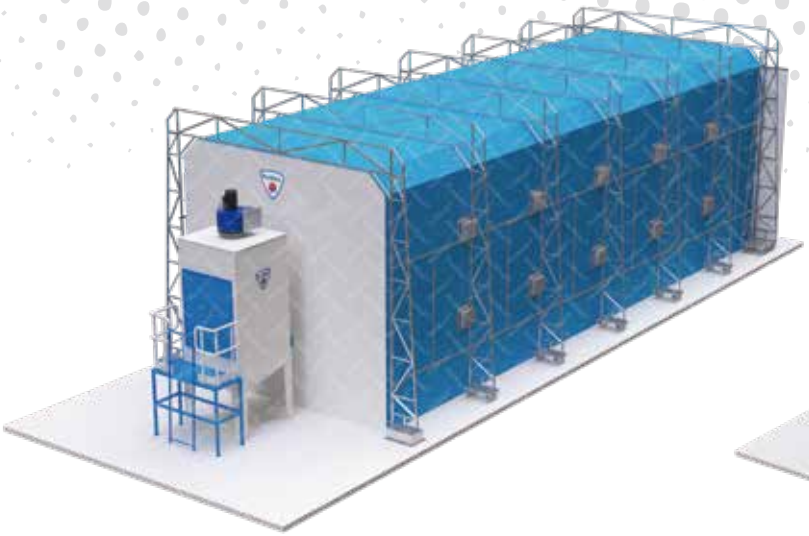
8 9 10 11

Alternate & Optional Equipment Selections

1. Blast Pots CAT Section 1
2. Bulk Blast Pot CAT Section 1
3. Sweep Up PB Series EPC Section 2
4. Sweep Up ProFlo / UltraFlo CAT Section 14
5. SP Series Bulk Abrasives Vacuum EPC Section 2
6. Partial Waffle Floor Vacuum EPC Section 2
7. Full Waffle Floor Vacuum EPC Section 2
8. Partial Floor Mechanical Screw Conveyor EPC Section 2
9. Triple Mechanical Screw Conveyor EPC Section 2
10. Partial Floor Mechanical Belt Conveyor EPC Section 2
11. Triple Combination Belt & Screw Conveyor EPC Section 2
12. Industrial Dehumidifier EPC Section 4
13. Paint Fume Extractor & VOC Arrestor EPC Section 1
14. Airless Spray Pumps CAT Section 17

Retractable Concertina Containment Enclosure



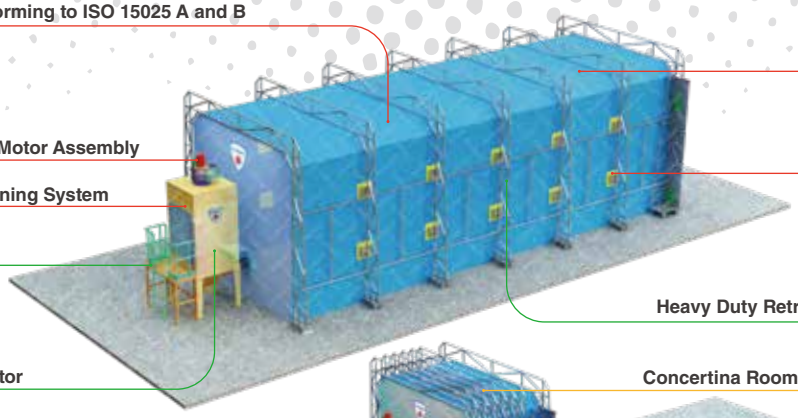
Product Description

The PanBlast Retractable Concertina Containment Enclosure are ideal for blasting and/or painting operations, and are 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, an optional drive system can be provided with wireless remote control. In the retracted position, the room length will be approximately 1/3 of its original length.

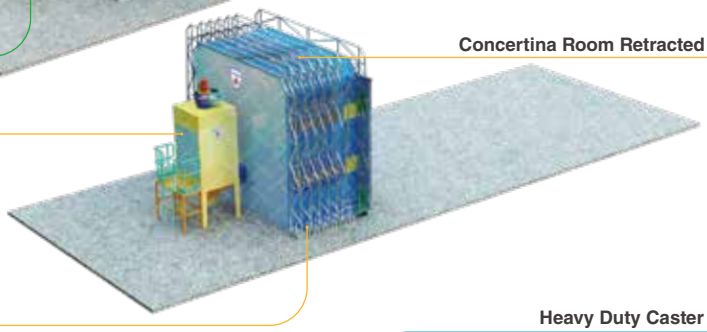
The retractable enclosure consists of steel frames mounted on heavy-duty casters, with fire-retardant fabric attached to the structure. To protect the fabric, replaceable 3 mm thick rubber sheets are hung in strips, and protect the entire internal surface of the containment enclosure.

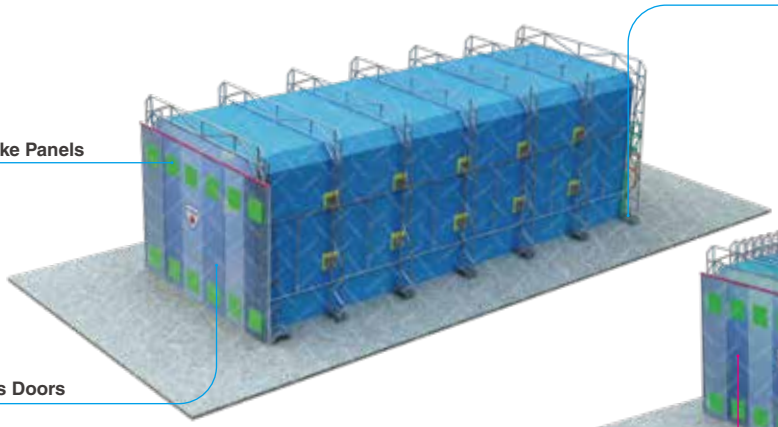
Enclosure illumination is provided by evenly spaced LED lighting modules mounted to the walls. A suitably sized ventilation dust collector system is supplied with each enclosure. These dust collectors feature cartridge filters with automatic reverse air pulse jet cleaning.

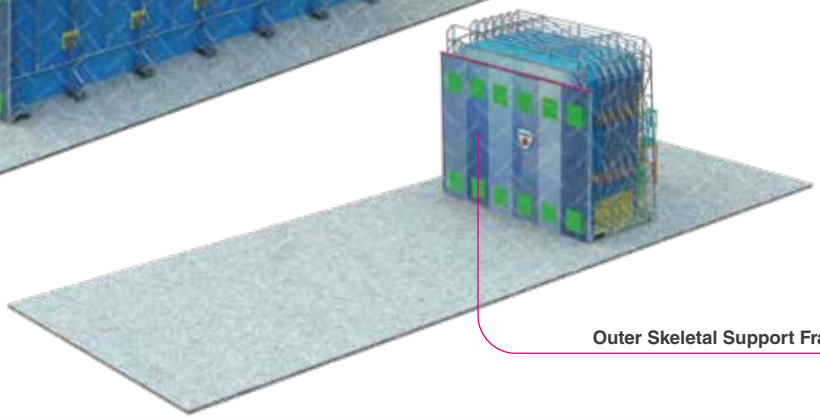
On one side of the containment enclosure, a suitable emergency escape panel will be provided. The enclosure is suitable for outdoors installation and is designed for moderate wind speeds up to 32 km/h (20 mph). Suitable tie-down points will be provided to attach the enclosure to the floor foundation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



1. Fire Retardant Outer Fabric conforming to ISO 15025 A and B
2. Ventilation Dust Collector Fan & Motor Assembly
3. Reverse Pulse Jet Cartridge Cleaning System
4. Operator Maintenance Platform
5. Ventilation Cartridge Dust Collector
6. Ventilation Cartridge Dust Collector
7. Heavy Duty Caster Wheels Retracted
8. Clean Air Ventilation Intake Panels
9. Dual Sliding Main Access Doors
10. Outer Skeletal Support Frames Retracted
11. Heavy Duty Caster Wheels for Room Retraction
12. Concertina Room Retracted to 1/3 of Operational Length
13. Heavy Duty Retractable Skeletal Outer Frame Supports
14. LED Power Saver Light Assemblies
15. Durable Internal Rubber Lining



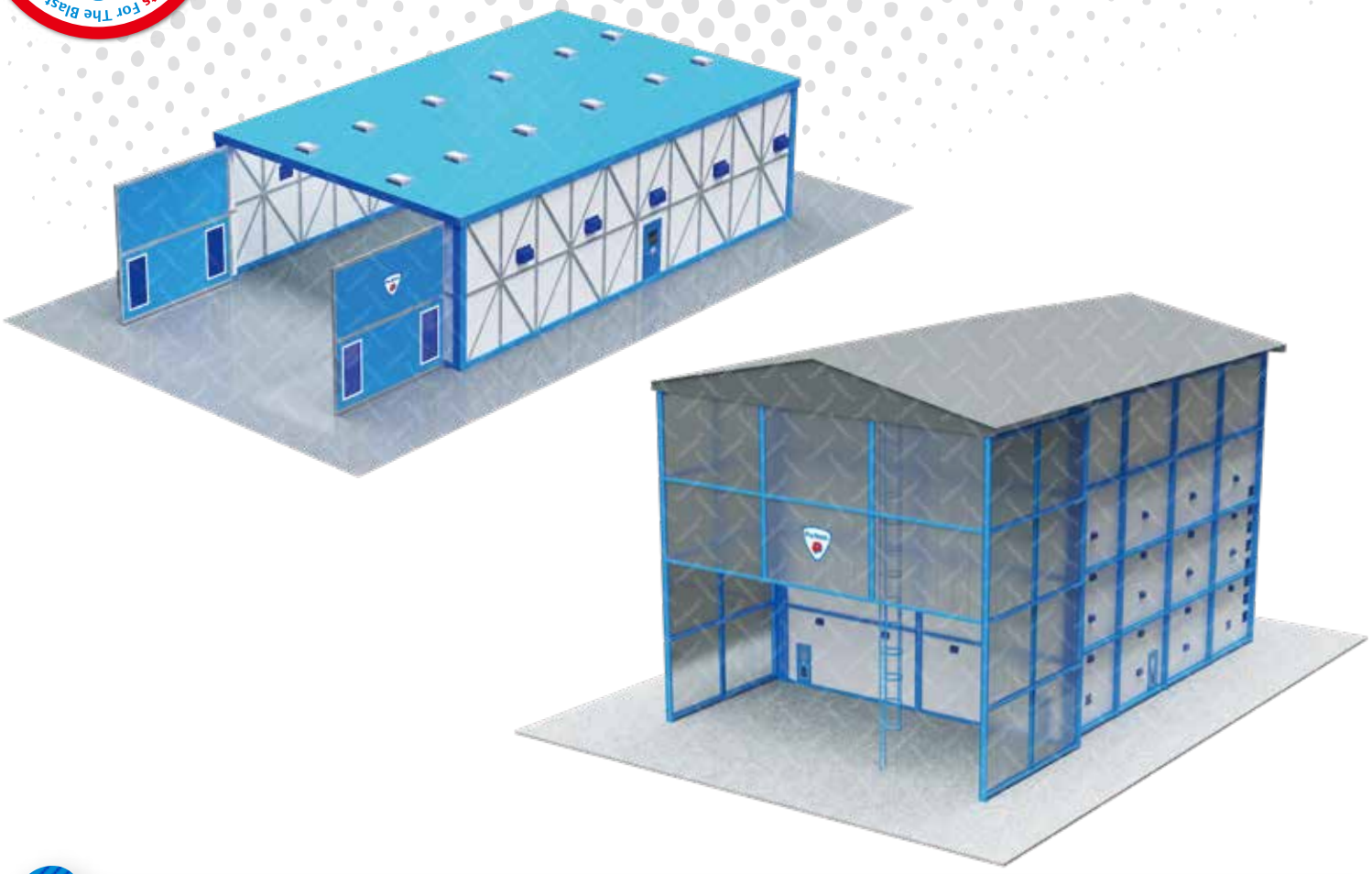




Specification Summary

Model	RCE1	RCE2	RCE3	RCE4	RCE5	RCE6
Enclosure Size	6m (L) x 3m (W) x 3m (H)	12m (L) x 4m (W) x 4m (H)	18m (L) x 5m (W) x 5m (H)	24m (L) x 6m (W) x 6m (H)	30m (L) x 8m (W) x 8m (H)	36m (L) x 10m (W) x 10m (H)
Enclosure Type	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric
Internal Lining	Rubber	Rubber	Rubber	Rubber	Rubber	Rubber
Ventilation Dust Collector	50 m^3/min (1750 CFM)	200 m^3/min (7050 CFM)	225 m^3/min (8000 CFM)	450 m^3/min (16000 CFM)	950 m^3/min (33500 CFM)	1700 m^3/min (60000 CFM)
Filtration Cartridge Cleaning	Reverse Pulse Jet	Reverse Pulse Jet	Reverse Pulse Jet	Reverse Pulse Jet	Reverse Pulse Jet	Reverse Pulse Jet
Lighting	4 x LED / 400 Lux	10 x LED / 400 Lux	14 x LED / 400 Lux	26 x LED / 400 Lux	45 x LED / 400 Lux	66 x LED / 400 Lux
Required Floor Space	8.5m (L) x 4.5m (W)	15m (L) x 5.5m (W)	22m (L) x 6.5m (W)	28m (L) x 7.5m (W)	35m (L) x 10m (W)	41m (L) x 10m (W)
Emergency Door	Supplied as Standard	Supplied as Standard	Supplied as Standard	Supplied as Standard	Supplied as Standard	Supplied as Standard

Dedicated Containment Enclosures - Fixed & Ventilated



Product Description

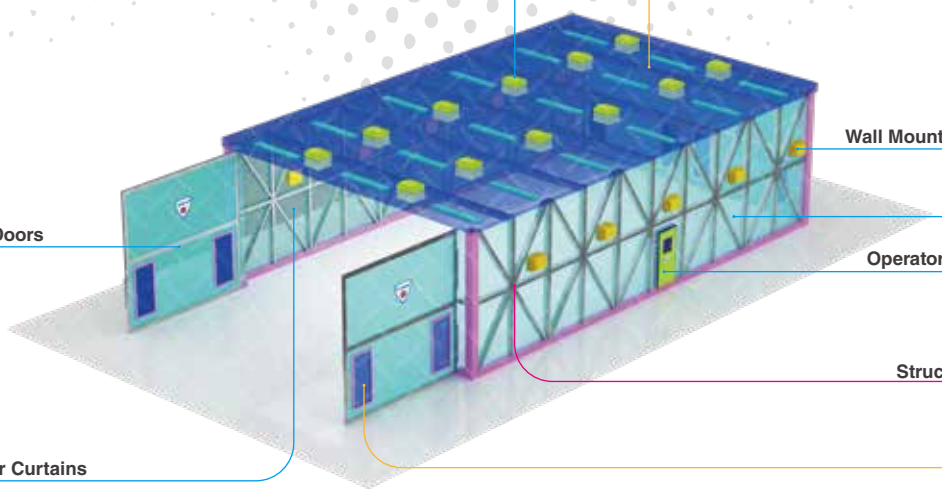
Dedicated containment enclosures, also known as blast and/or paint rooms, are ideal for blasting and/or painting operations in a controlled environment while keeping environmental emissions to an absolute minimum.

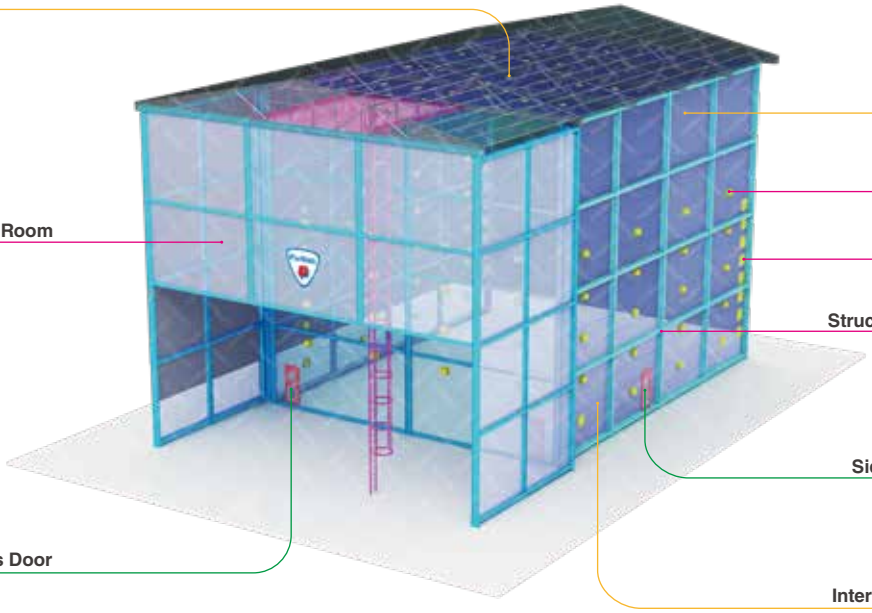
The customer supplied enclosures may be built using typical structural materials such as steel and/or aluminum and internally lined with abrasive resistant material such as rubber sheets to protect the walls and ceilings from direct blast streams and rebounding abrasive media. On one side of the containment enclosure, a suitable emergency escape panel must be provided according to local OSHA requirements.

A suitably sized ventilation dust collector system is sized for each enclosure to keep dust levels to a minimum during blasting. These dust collectors feature cartridge filters with automatic reverse air pulse jet cleaning.

PanBlast Dedicated Containment Enclosure Kits include :

- LED Blast Protected Light Modules : Each light module is rated 120W with laminated glass protection, with light fitting mounted outside of the blasting area and explosion proof. Bulb and glass replacement can be done from inside the room. Supplied quantity of lights will provide 400 lux illumination in the blast room.
- Replaceable Shot Blast Rubber Lining : Pre-cut blast-proof rubber sheets, 3mm thick, all supplied with clamping bars for easy wall hanging.
- End Wall Adjustable Air Inlets : Steel adjustable air inlets with mounting frame.
- Side Wall Air Inlets : Steel louver air inlets with mounting frame (alternate supply to end wall inlet when using oversized main doors).
- Vision Windows : Multiple large-sized framed windows with mounting holes are supplied with easy-to-replace laminated glass.
- Emergency Door : Supplied in accordance to local OSHA requirements.
- Optional Flexible Roll-Up Main Door : The door material is manufactured using PVC fire-resistant coated fabric, has a lifting speed 5m / min, and is driven by a hoist motor with steel cables.





Specification Summary

Model	DCE1	DCE2	DCE3	DCE4	DCE5	DCE6
Enclosure Size	6m(L) x 3m(W) x 3m(H)	12m(L) x 4m(W) x 4m(H)	18m(L) x 5m(W) x 5m(H)	24m(L) x 6m(W) x 6m(H)	30m(L) x 8m(W) x 8m(H)	36m(L) x 10m(W) x 10m(H)
Enclosure Type	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric	Steel Framed Water/Flame Resistant Fabric
Internal Lining	Pre-Cut Rubber Sheets	Pre-Cut Rubber Sheets	Pre-Cut Rubber Sheets	Pre-Cut Rubber Sheets	Pre-Cut Rubber Sheets	Pre-Cut Rubber Sheets
Ventilation Dust Collector	50 m^3/min (1750 CFM)	200 m^3/min (7050 CFM)	225 m^3/min (8000 CFM)	450 m^3/min (16000 CFM)	950 m^3/min (33500 CFM)	1700 m^3/min (60000 CFM)
Filtration Cartridge Cleaning	Reverse Pulse Jet	Reverse Pulse Jet	Reverse Pulse Jet	Reverse Pulse Jet	Reverse Pulse Jet	Reverse Pulse Jet
Lighting	4 x LED / 400 Lux	10 x LED / 400 Lux	14 x LED / 400 Lux	26 x LED / 400 Lux	45 x LED / 400 Lux	66 x LED / 400 Lux
Side Wall Air Inlets	0	0	0	0	8	10
End Wall Adjustable Air Inlets	2	4	4	8	8	10
Vision Windows	2	3	3	5	5	5
Required Floor Space	8.5m (L) x 4.5m (W)	15m (L) x 5.5m (W)	22m (L) x 6.5m (W)	28m (L) x 7.5m (W)	35m (L) x 10m (W)	41m (L) x 10m (W)
Emergency Exit Door	Standard Size	Standard Size	Standard Size	Standard Size	Standard Size	Standard Size
Flexible Roll Up Door (Optional)	1	1	1	1	1	1

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 m^2. 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

1. Andreae HE-type overspray collection filters
2. Powder Coated Pre-Formed Extraction Chamber
3. Ventilation Fan Impellor
4. Rigid Box Frame Fan Support Structure
5. Flame Proof Fan Motor
6. Andreae HE-type overspray collection filters
7. Box Frame Support Structure
8. Push In Filter Clamp Retainers
9. Powder Coated Pre-Formed Extraction Chamber
10. Ventilation Fan Impellor
11. Ventilation Exhaust Fan Assembly
12. Ventilation Exhaust Fan Assembly
13. Flame Proof Fan Motor
14. Carbon Activated VOC Filters

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/hg	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 m3/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/hg	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

Bulk Abrasive Vacuum Recovery Systems - Electric

Product Description

The PanBlast SP Bulk Abrasive Vacuum Recovery Systems are electrically driven units and skid mounted for portability. They are designed for efficient vacuum recovery of spent media after blasting, and are typically used for recovery of expendable abrasive media such as mineral slags or crushed glass in an open blasting environment. They may also be used for recyclable abrasive media such as garnet, glass beads, etc… if desired.

The fully integrated system incorporates a flexible vacuum recovery hose (20 meters to 100 meters long) from the abrasive media storage silo to facilitate vacuuming of the spent media from the ground. A 10 meters long suction hose connects the abrasive media storage silo to the skid mounted vacuum generator module.

Spent abrasive media on the ground is vacuumed up and transported to the abrasive media storage silo and collected there. Dust and fine particles exit the storage silo and are carried towards the vacuum generator where a cyclone and dust collector remove the dust and fines to only allow cleaned and filtered air to vent to atmosphere.

The cartridge filtration system features a continuously cycling reverse pulse jet cleaning system to dislodge filtered dust and fines from the cartridge surfaces to keep filtration efficiency above 99% at all times.

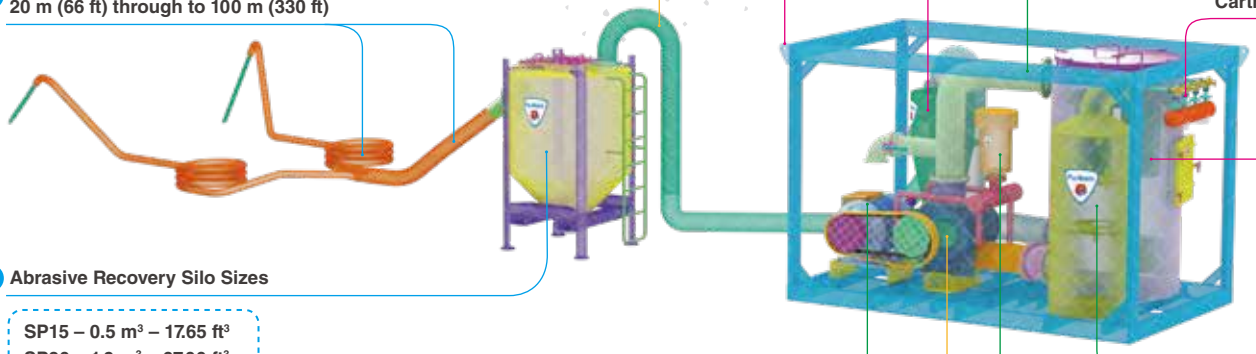
The SP-DW model features an additional water collection tank to separate wet dust and fines from the vacuumed air prior to entering the cyclone separation system and cartridge filter. The wet dust and fines collect at the bottom of the collection tank; collected waste water is purged to drain periodically via a pneumatic drain valve with an additional manual water drain valve also supplied.

1 On-board Cyclonic Separator

2 Site Crane Lifting Points

3 Interconnecting Vacuum Recovery Hose

4 Vacuum Recovery Hoses Ranging from 20 m (66 ft) through to 100 m (330 ft)



5 Abrasive Recovery Silo Sizes

- SP15 – 0.5 m^3 – 17.65 ft^3
- SP30 – 1.9 m^3 – 67.00 ft^3
- SP45 – 2.8 m^3 – 98.90 ft^3
- SP60 – 3.8 m^3 – 134.00 ft^3

6 Main Electric Drive Motor

Vacuum Module Sizes 12

- SP15 – 15 kw – 20 hp
- SP30 – 30 kw – 40 hp
- SP45 – 45 kw – 60 hp
- SP60 – 90 kw – 120 hp

Reverse Pulse Jet Cartridge Cleaning System 11

Polyester Cartridge Dust Collector System 10

Clean Air Discharge Silencer 9

Over Vacuum Safety Relief Valve 8

Vacuum Producing Blower Assembly 7

Note : SP60 model illustrated above, specifications for the entire model range are summarized in the table.

Specification Summary

MODELS	PB-VAC-SP15	PB-VAC-SP30	PB-VAC-SP45	PB-VAC-SP60	PB-VAC-SP60-DW
Process Air Volume	900 CMH / 530 CFM	1900 CMH / 1118 CFM	2640 CMH / 1553 CFM	3600 CMH / 2118 CFM	3600 CMH / 2118 CFM
Vacuum Pressure	250 mm Hg 9.84 Inches Hg	380 mm Hg 14.96 Inches Hg	430 mm Hg 16.92 Inches Hg	450 mm Hg 17.71 Inches Hg	450 mm Hg 17.71 Inches Hg
Rotational Speed	1300 rpm	1239 rpm	1032.5 rpm	1318 rpm	1318 rpm
Electric Motor	15 kw / 20 hp	30 kw / 40 hp	45 kw / 60 hp	90 kw / 120 hp	90 kw / 120 hp
Power Supply	380 ~ 415 V/50Hz	380 ~ 415 V/50Hz	380 ~ 415 V/50Hz	380 ~ 415 V/50Hz	380 ~ 415 V/50Hz
Air Consumption	250 l / min at max 10 bar 8.85 CFM at max 10 bar	250 l / min at max 10 bar 8.85 CFM at max 10 bar	400 l / min at max 10 bar 14.15 CFM at max 10 bar	750 l / min at max 10 bar 26.5 CFM at max 10 bar	750 l / min at max 10 bar 26.5 CFM at max 10 bar
Vacuum Pump Model	125	150	250	250	250
Water Collection Tank	N/A	N/A	N/A	N/A	0.9 m^3
Machine Weight	Approx 2,000 kg Approx 4,400 lbs	Approx 2,600 kg Approx 5,720 lbs	Approx 3,300 kg Approx 7,260 lbs	Approx 4,200 kg Approx 9,240 lbs	Approx 4,200 kg Approx 9,240 lbs
Machine Dimension	L2.2 x W1.75 x H1.87 m L7.26 x W5.77 x H6.17 ft	L2.2 x W1.8 x H1.97 m L7.26 x W5.94 x H6.5 ft	L2.8 x W2.12 x H2.0 m L9.24 x W7 x H6.6 ft	L3.65 x W2.25 x H2.5 m L12 x W7.5 x H8.25 ft	L3.65 x W2.25 x H2.5 m L12 x W7.5 x H8.25 ft
Abrasive Silo Capacity	0.5 m^3 / 17.65 cu.ft	1.9 m^3 / 67 cu.ft	2.8 m^3 / 98.9 cu.ft	3.8 m^3 / 134 cu.ft	3.8 m^3 / 134 cu.ft
Abrasive Silo Dimension	L1.82 x W1.31 x H2.09 m L6 x W4.32 x 6.9 ft	L1.7 x W1.45 x H2.4 m L5.6 x W4.78 x H7.92 ft	L1.9 x W1.68 x H2.7 m L6.27 x W5.55 x H8.9 ft	L2.08 x W1.86 x H3 m L6.87 x W6.14 x H9.9 ft	L2.08 x W1.86 x H3 m L6.87 x W6.14 x H9.9 ft
Abrasive Silo Weight	700 kg / 1540 lbs	800 kg / 1760 lbs	800 kg / 1980 lbs	1000 kg / 2200 lbs	1000 kg / 2200 lbs
Grit Recovery Rate	Up to 1500 ~ 2000 kg/hr Up to 3300 ~ 4400 lbs/hr	Up to 3500 kg/hr Up to 7,700 lbs/hr	Up to 5000 kg/hr Up to 11,000 lbs/hr	Up to 6000 ~ 10,000 kg/hr Up to 13,200 ~ 22,000 lbs/hr	Up to 6000 ~ 10,000 kg/hr Up to 13,200 ~ 22,000 lbs/hr
Drive	V-belt Driven				
Dust Filtration	Cyclone and Cartridge Dust Collector Continuous Pulse-jet Valve				
Over Vacuum Protection	Vacuum Relief Valve				
Protection	Wrong Phase, Overload, Dust Level				
Filter Cleaning	Periodic Reverse Air Jet				
Filter Efficiency	99.95%				
Air Cleaning	Oil/Water Separator @ 6 to 10 bar				
Noise Level	85 dB @ 5 m Radius Scale A				
Machine Structure	Open Skid-mounted				
Star-stop Method	Star-delta				
Control Panel	IP55 Overload Protection				
Display Gauges	Running Amperes, Vacuum				

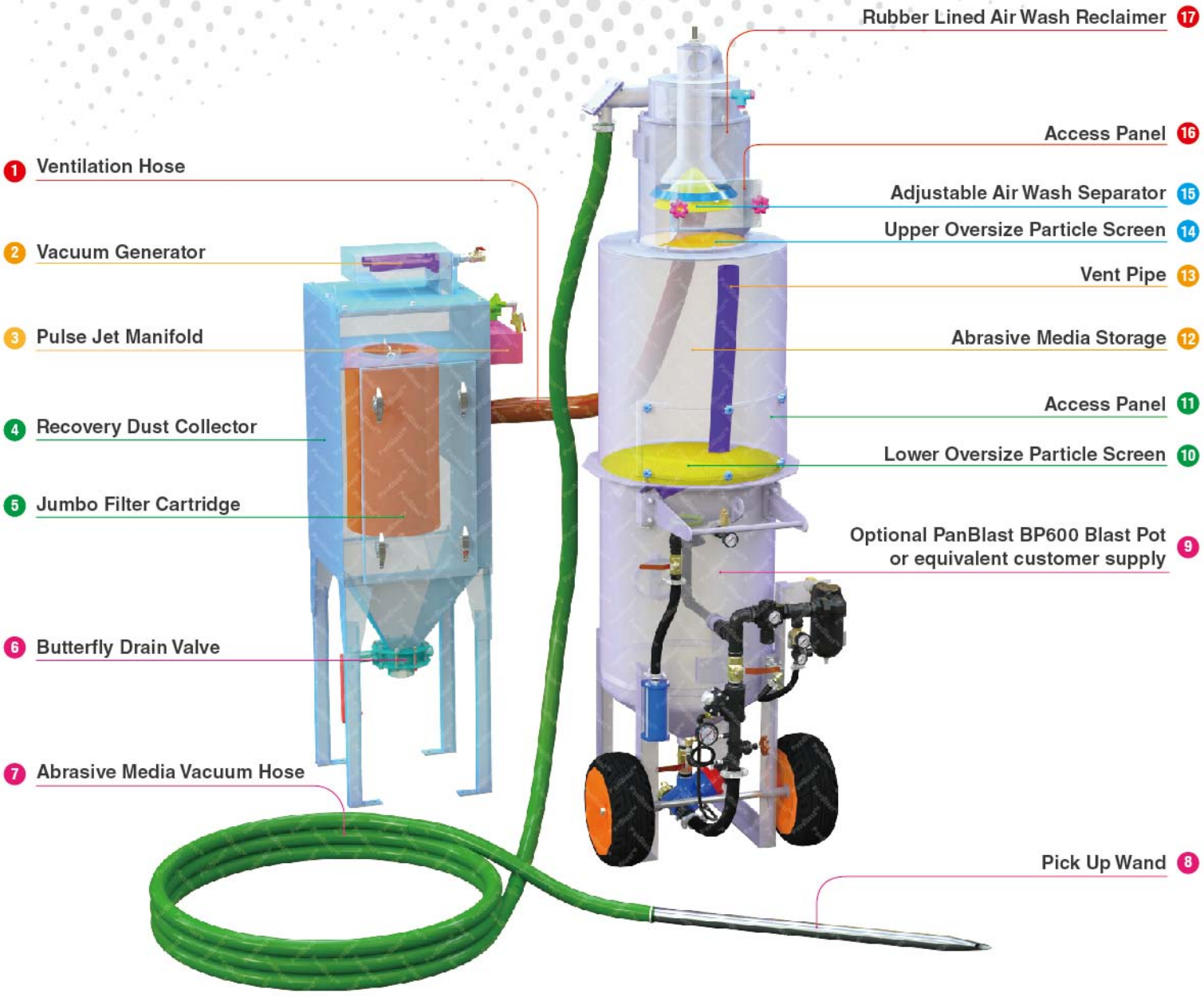
MINI Abrasive Vacuum Recovery System

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.



Specification Summary

	Recovery Dust Collector	Air Wash Reclaimer
Max. Air Flow	150 CFM (4.25m³/min)	150 CFM (4.25m³/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

PB Bulk Blast Pot Recycling & Loading System

Product Description

The PanBlast PB Bulk Blast Pot Recycling & Loading System are designed for loading and recycling of recyclable abrasive media such as garnet, aluminum oxide, glass beads, steel abrasives into the abrasive storage hopper, which then feeds the abrasives in to optionally supplied two, three or four BP600 Pressure Blast Pots, or a single BB120 Bulk Blast Pot. The abrasive storage hoppers are sized accordingly based on storage capacity requirements.

The unit is mounted in a pit (additional options are available for a pit-less installation) with a sweep-in type abrasive feed hopper at floor level. A flow control shedder plate is fitted in the feed hopper to regulate the flow of abrasive media to the boot of the bucket elevator. Such abrasive media is then lifted via buckets fastened to the elevator belt and fed into the abrasive recycling system located at the top.

A horizontal screw conveyor transports the abrasive media to a rotary sieve where oversized particles are separated into a drum via a flexible collection pipe for subsequent disposal. Reusable abrasive media falls through the rotary sieve to an air wash separator where dust and fines are removed from the abrasive working mix and fed to waste drums for subsequent disposal. An adjustable damper allows the system to accommodate different abrasive types, and provides control of the particle size distribution of the reusable abrasive working mix. Airflow for the abrasive recycling system is generated by a filter cartridge dust collector with a reverse pulse jet cleaning system that is automatically sequenced.

This cleaned abrasive mix travels down into the abrasive storage hopper that sits below the abrasive recycling unit and above the optionally supplied pots. Optional level sensors (supplied standard for bulk blast pot system) are available to monitor the level of the abrasive media within the storage hopper and will annunciate on the control panel when the hopper is full. If the blast pots are also fitted with suitable level sensors, these can be interlocked with the abrasive storage hopper level sensors for automatic control of the refilling process.

1. Abrasive Media Airwash Separation Unit
2. Oversize Particle Rotary Drum Separator
3. Full Size Operator Maintenance Platform
4. Main Abrasive Media Storage Hopper
5. Automatic Abrasive Media Loading Feed Gate
6. 200 Liter Fine and Oversize Waste Disposal Drums
7. BB120 3360 Liter Four Operator Bulk Blasting
8. Bucket Elevator Assembly
9. Top Feed Screw Conveyor
10. Operator Maintenance Ladder with Cage
11. IP55 Electric Control Panel
12. Reverse Pulse Jet Cartridge Dust Collector
13. Optional 2,3,4 Automatic Pressure Blast Pots
14. 200 Liter Fine and Oversize Waste Disposal Drums
15. Automatic or Manual Abrasive Media Feed Gates
16. Main Abrasive Media Storage Hopper
17. Full Size Operator Maintenance Platform
18. Abrasive Media Airwash Separation Unit
19. Oversize Particle Rotary Drum Separator
20. IP55 Electric Control Panel
21. Reverse Pulse Jet Cartridge Dust Collector
22. Operator Maintenance Ladder with Cage
23. Bucket Elevator Assembly
24. Top Feed Screw Conveyor

Specification Summary

Loading & Recycling Capacity	Steel Grit – 20,000 kg (44,000 lbs) Per / Hour / Garnet – 10,000 kg (22,000 lbs) Per / Hour
Abrasive Media Storage Hopper	20,000 kg (44,000 lbs) to 100,000 kg (220,000 lbs) Based on Steel Abrasives
Number of Hopper Outlets	One to Four
Loading Hopper Feed Valve	Electro Pneumatic
Abrasive Media Air Wash	Adjustable Damper
Oversize Debris & Particle Separator	Self-cleaning Rotary Drum
Abrasive Media Loading Hopper Dimensions	1600 mm (63″) Long x 900 mm (36″) Wide
Abrasive Media Storage Hopper Sensors (Optional)	Media Level Probes
Abrasive Media Storage Hopper Discharge	Pneumatic Slide Valve
Reverse Pulse Jet Cartridge Dust Collector	15 m^3 / min (530 CFM) Capacity
Electrical Control Panel	Water-tight to IP55 Standards
Total Power Requirement	4.1 kw (5.5 HP)
Total Compressed Air Requirement	1.4 m^3 / min (50 CFM) @ 6 bar (87 PSI)
Overall Dimensions	7500 mm (295″) H x 5800 mm (228″) D x 3400 mm (134″) W
System Weight	12,000 kg (26,400 lbs)
Power Requirement	Three Phase

Note: The above typical specifications are based on a unit with 70,000 kg steel grit storage capacity and 20,000 kg per hour processing rate. Specifications will vary with any change in abrasive media storage capacity and/or processing rate.

Waffle Floor Blast Room Recovery Systems

Product Description

The PanBlast Waffle Floor Recovery System can operate successfully on all common types of abrasive media including metallic grits and shots, garnet, glass beads, aluminum oxide, plastic media and organics such as nutshell, corn cob, etc…

The waffle floor module is fabricated from mild steel plate, with abrasive feed slots for abrasive recovery cut prior to fabrication. It consists of a folded tray, which forms the bottom of the waffle as well as the sides, with a folded inverted “V” section, which forms the center duct.

High velocity air is drawn through the center duct and down the length of the waffle module. As the abrasive media falls into the individual hoppers and drains through the abrasive feed slots, it is pneumatically conveyed down the center duct to the adjustable cyclonic reclaimer assembly. A steel floor grid is placed above all waffle modules to both facilitate walking on the blast room floor, and also to prevent unwanted items from falling into the individual waffle recovery hoppers.

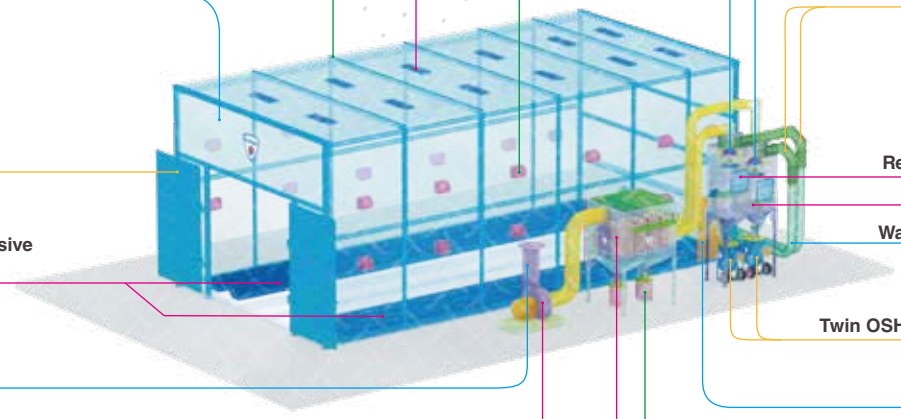
The abrasive media recovered by the waffle module is then conveyed up to the adjustable cyclonic reclaimer assembly by either a fabricated ducting assembly or heavy-duty suction hose. The adjustable cyclonic reclaimer assembly efficiently separates dust and fines from good abrasive media whilst also capturing oversize particles via the debris screen.

The waffle floor modules are available in three standard sizes: 600 mm wide, 1000 mm wide and 1500mm wide. The most common waffle floor layouts are single, twin or triple module systems. These are usually located down the side walls of the blast rooms for optimum abrasive media collection. Systems with requirements for trolley and tracks inside of the blast room generally require three waffle modules, with one module located between the tracks.

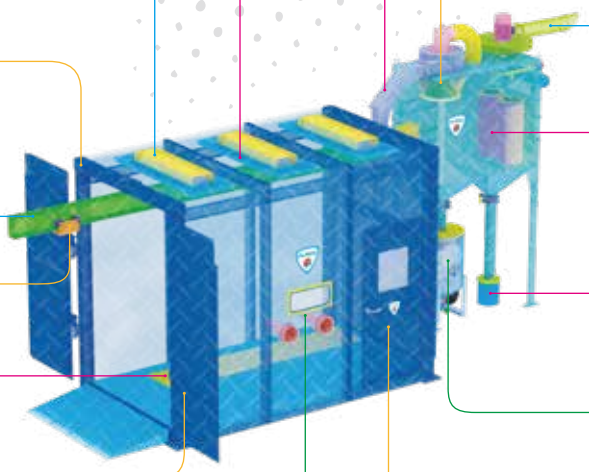
For the ultimate automated recovery solution with no manual sweeping of abrasive media required, the full floor layout is ideal. The entire blast room floor is covered with waffle floor modules so abrasive media are immediately recovered after blasting as they fall to the blast room floor. Any required material handling such as tracks can be placed in between the waffle floor modules, or above the waffle modules which can handle immense loads.

For very large blast rooms over 30 m long, the waffle modules may be run across the blast room width rather than down the length of the blast room, providing partial recovery.

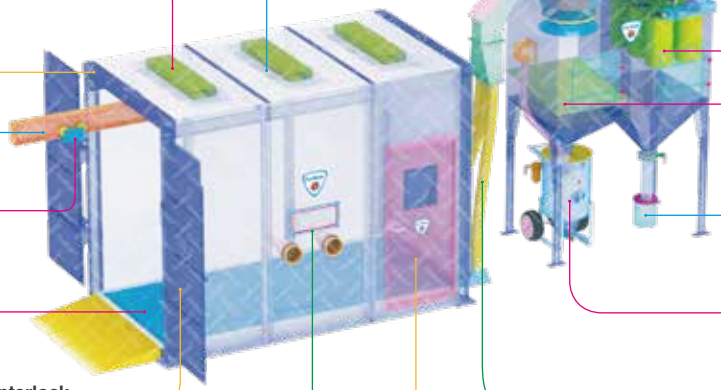
Waffle Floor Blast Room Recovery Systems



1. LED Light Assemblies
2. Steel Structure & Panels
3. Internal Blast Proof Rubber
4. Main Access Doors with Safety Interlock
5. 4 x Waffle Floor Abrasive Recovery Modules
6. Fan Silencer
7. Floor Mounted Centrifugal Fan Assembly
8. Filtered Clean Air Inlets
9. LED Light Assemblies
10. Steel Structure & Panels
11. Main Access Doors with Safety Interlock
12. Internal Blast Proof Rubber
13. Full Waffle Floor Abrasive Recovery System
14. Operator Emergency Access Door
15. Floor Mounted Centrifugal Fan Assembly
16. Fan Silencer
17. Dust Collector Waste Collection Drums
18. Reverse Pulse Jet Recovery Dust Collector
19. Dust Collector Maintenance Access Doors
20. Twin OSHA Compliant Automatic Blast Pots
21. Waffle Transition Adaptor
22. Waffle Floor Recovery Suction Hoses
23. Twin Wear Back Bend Assemblies
24. Twin Fully Adjustable Cyclone Reclaimers
25. Reverse Pulse Jet Recovery Dust Collector
26. Dust Collector Waste Collection Drums
27. Operator Emergency Access Door
28. Twin OSHA Compliant Automatic Blast Pots
29. Waffle Floor Recovery Suction Hoses
30. Oversize Particle Screen
31. Reclaimer Maintenance Access Door
32. Twin Wear Back Bend Assemblies
33. Twin Fully Adjustable Cyclone Reclaimers
34. Filtered Clean Air Inlets



1. Filtered Clean Air Inlets
2. LED Light Assemblies
3. Steel Structure & Panels
4. Overhead Hoist Beam
5. Overhead Powered Hoist
6. Waffle Floor Abrasive Recovery Module
7. Main Access Doors with Safety Interlock
8. External Operator Work Station
26. Operator Emergency Access Door
27. OSHA Compliant Automatic Blast Pot
28. Dust Collector Waste Collection Drum
29. Reverse Pulse Jet Recovery Dust Collector
30. Dust Collector Fan Silencer
31. Fully Adjustable Cyclone Reclaimer
32. Reclaimer Wear Back Bend

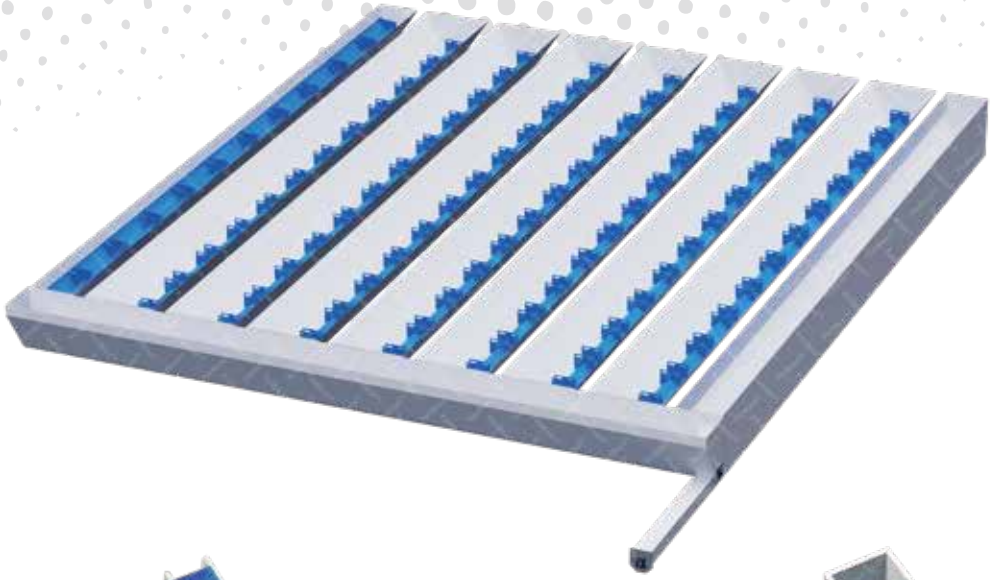


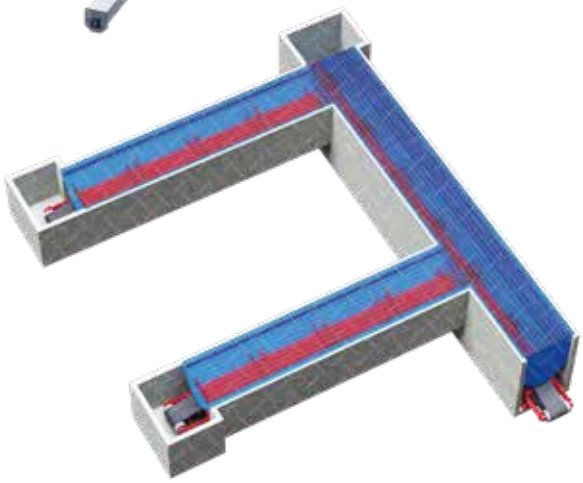
9. Filtered Clean Air Inlets
10. LED Light Assemblies
11. Steel Structure & Panels
12. Overhead Hoist Beam
13. Overhead Powered Hoist
14. Full Floor Waffle Abrasive Recovery Modules
15. Main Access Doors with Safety Interlock
16. External Operator Work Station
17. Operator Emergency Access Door
18. Waffle Floor Vacuum Recovery Hoses
19. OSHA Compliant Automatic Blast Pot
20. Dust Collector Waste Collection Drum
21. Oversize Particle Screen
22. Reverse Pulse Jet Recovery Dust Collector
23. Fully Adjustable Cyclone Reclaimer
24. Dust Collector Fan Silencer
25. Reclaimer Wear Back Bend

Specification Summary

Model	Waffle Width (mm)	Max Length (m)	Waffle Depth (mm)	Waffle Module Floor Layouts	Reclaimer Size (CFM)
BEB-PB-WRS-600	600	6	180	Single, Twin, Triple and Full Floor	900,1200, 2400, 4000, 6000
BEB-PB-WRS-1000	1000	20	280		
BEB-PB-WRS-1500	1500	30	305		

Conveyor Blast Room Recovery Systems





Product Description

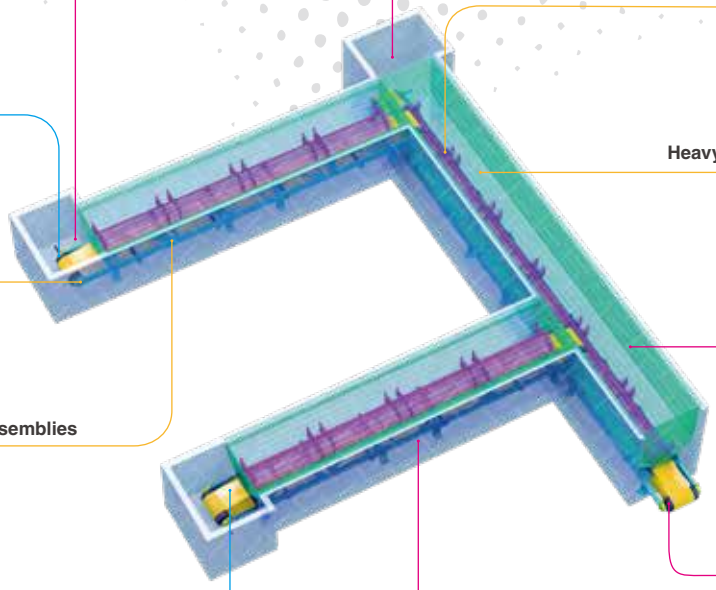
Conveyor Blast Room Recovery Systems comprises of belt and/or screw conveyors to convey spent abrasive media from the room floor to the boot of the bucket elevator and then to the abrasive recycling system. These are generally available in either partial or full floor recovery mechanical systems, for partial recovery systems the abrasive media has to be manually swept/vacuumed or blown into the conveyors for transport to the abrasive recycling system.

Belt conveyors range from 400 mm to 600 mm belt width with floor hopper opening width of 1500 mm to 2000 mm and comprise of a heavy-duty steel frame with crown faced drums and a belt tensioning system on one end, and driven by a suitably sized geared motor. Belt support is provided by idler rollers spaced evenly throughout the steel frame. Conveyor belts are manufactured to length for each application, and are made from 5-10 mm thick wear resistant rubber material. Abrasive media feed hoppers with heavy duty 500 kg/m^2 capacity floor gratings are fitted above belt conveyors.

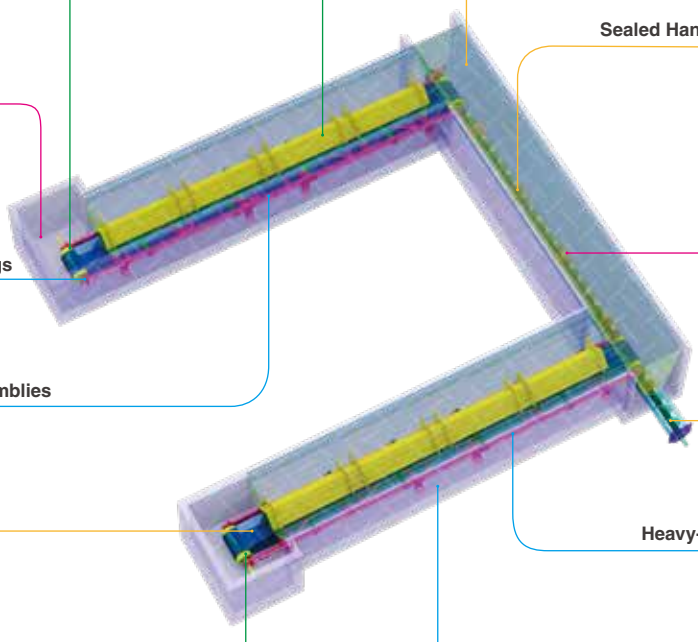
Continuous screw flight conveyors are typically manufactured in standard pitch from heavy duty material as required, and mounted in heavy-duty seamless pipes. The screw conveyor is positioned within an encased sealed hopper with floor hopper opening width of 1500 mm to 2000 mm. The screws are mounted on 50 mm bearings at each end, with additional sealed hanger bearings provided for screws over 8 m long. Screw conveyors are driven by geared motors coupled with a chain and sprocket arrangement. Abrasive media feed hoppers with flow control shedder plates are fitted above screw conveyors to restrict the flow of abrasives, thereby preventing blockages. Each hopper has heavy duty 500 kg/m^2 capacity floor grating fitted on top.

Both types of conveyors may be used in a mix and match fashion, and laid out in the blast room longitudinally and/or transversely for transport of the abrasive media on to a centralized location for recycling. These conveyors require floor pit(s) to be constructed according to the dimensions of the supplied conveyors in order for the top of the feed hoppers to sit flush with the floor level. Generally, the floor pit depth ranges from 1000 mm to 1500 mm depending on the selected conveyor system.

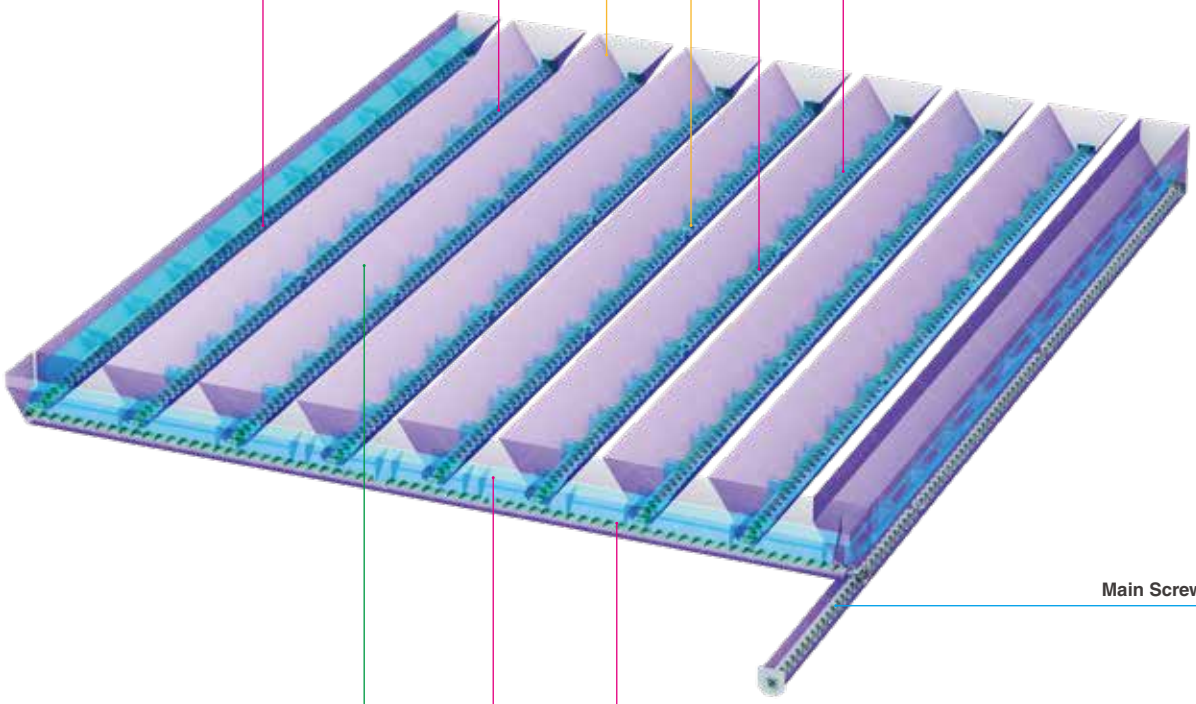
Conveyor Blast Room Recovery Systems



1. Maintenance Access Pit
2. Solid Full Length Pulley Drive Shafts
3. Heavy-Duty Sealed Drive Bearings
4. Sealed Belt Support Roller Assemblies
5. Belt Tensioners from One End
19. Low Profile Conveyors for Minimal Foundation Depth
20. Heavy-Duty Crown Faced Belt Pulleys
21. 25 mm High Load Galvanized Floor Grating
22. Heavy-Duty 5 mm Thick Hopper Construction
23. Abrasive Feed Shedders to Prevent Feed Flow Overload



6. Abrasive Feed Shedders to Prevent Feed Flow Overload
7. Solid Full Length Pulley Drive Shafts
8. Maintenance Access Pit
9. Heavy-Duty Sealed Drive Bearings
10. Sealed Belt Support Roller Assemblies
11. Belt Tensioners from One End
12. Heavy-Duty Crown Faced Belt Pulleys
13. Low Profile Conveyors for Minimal Foundation Depth
14. Heavy-Duty 5 mm Thick Hopper Construction
15. Heavy-Duty SCH80 Seamless Screw Conveyor Body
16. Heavy-Duty 6 mm Thick Segmented Screw Flights
17. Sealed Hanger Bearing Screw Conveyor Supports
18. 25 mm High Load Galvanized Floor Grating



Specification Summary

	Belt Type	Screw Type
Hopper Opening Width	1500 mm to 2000 mm	1500 mm to 2000 mm
Conveyor Width	400 mm to 600 mm	200 mm to 300 mm diameter
Conveyor Length	As Required	As Required
Floor Pit Depth	1000 mm to 1500 mm	1000 mm to 1500 mm
Heavy Duty Floor Grate	500 kg/m² capacity	500 kg/m² capacity
Screw Flights	-	6 mm thick - segmented
Media Overload Protection	-	Flow Control Shedder

VDC Reverse Pulse Jet Cartridge Dust Collector

Product Description

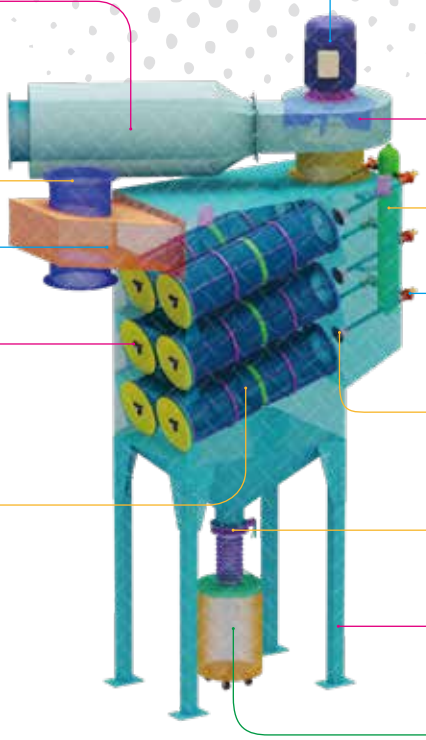
The PanBlast VDC Ventilation Dust Collector Series are used for extracting and filtering air from enclosed structures such as blasting and / or painting rooms and can be optionally fitted with additional functional filtration (e.g. paint arrestors) as required. The required flow rate of the ventilation dust collectors 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.

The PanBlast VDC Ventilation Dust Collector Series features a scalable layout of multiple filter cartridges within a metal housing in a downward angled orientation for ease of access during cartridge maintenance / replacement, with the additional benefit of reduced abrasive media dust loading of the cartridges. A variety of filter cartridge materials can be supplied to meet application specific requirements including celluloid polyester, washable polyester, etc...

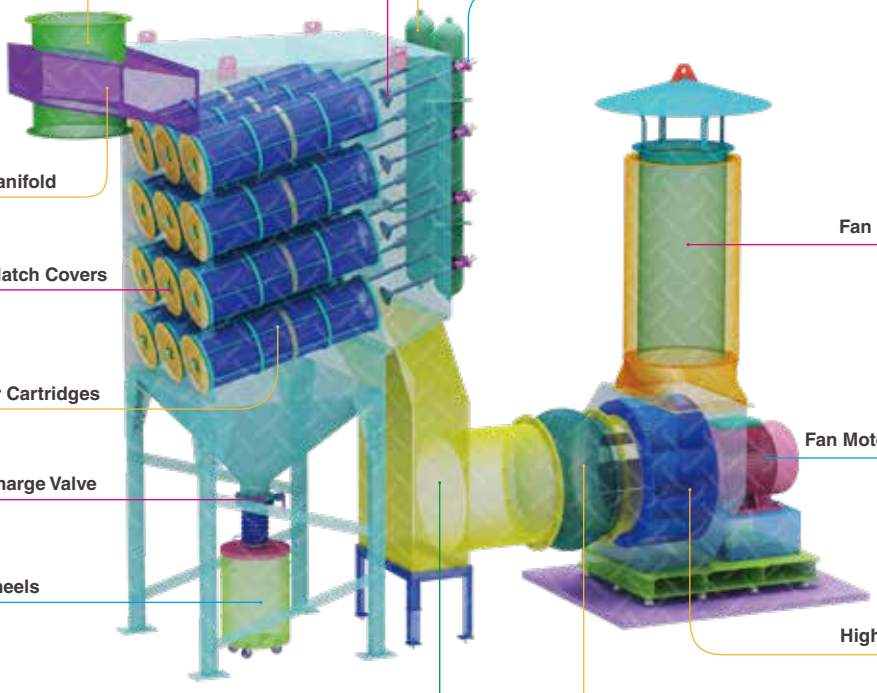
Multiple arrays of automatic reverse pulse jet air manifolds are mounted such that each filter cartridge has an individual nozzle directing compressed air periodically within the cartridge to dislodge dust particles and other micro debris from the cartridge filtering surface.

Top or floor mounted high efficiency centrifugal fan assemblies provide the required airflow through the system and are available in all international power / voltage requirements and is supplied standard with a fan discharge silencer.

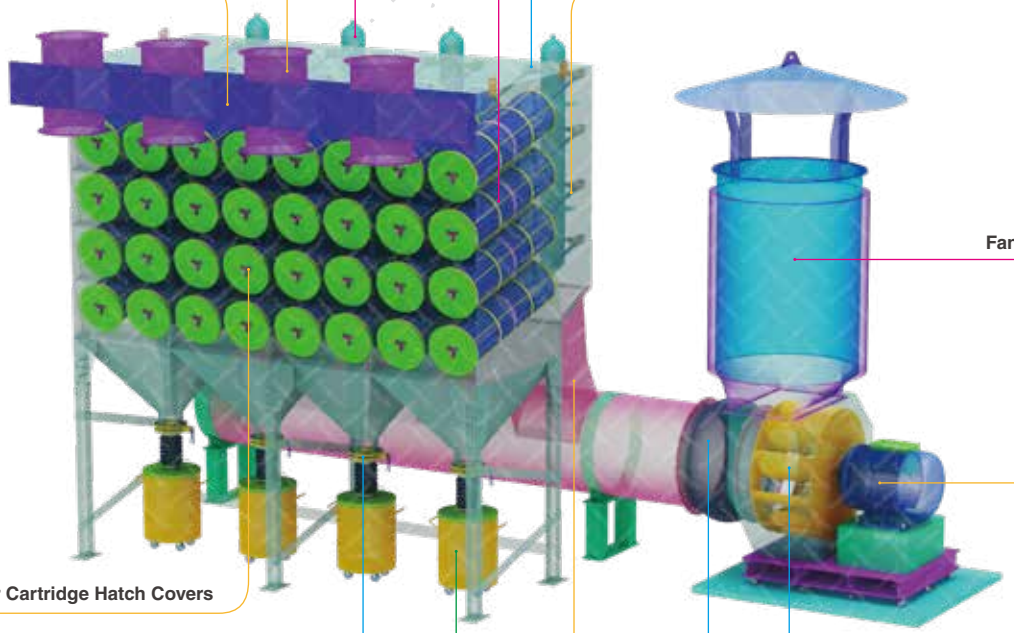
VDC Reverse Pulse Jet Cartridge Dust Collector



1. Fan Discharge Silencer
2. Dual Ventilation Inlet Duct Spigots
3. Abrasive Resistant Duct Inlet Manifold
4. Quick Release Filter Cartridge Hatch Covers
5. Horizontally Mounted Twin Filter Cartridges
20. Dust Waste Drum with Roller Wheels
21. Removable Dust Collector Support Legs
22. Wide Throat Butterfly Dust Discharge Valve
23. Pulse Jet Tubes with Venturi
24. Reverse Pulse Jet Diaphragm Valves
25. Compressed Air Pulse Jet Manifold
26. High Flow Fan Impellor
27. Fan Motor Various Voltages



6. Pulse Jet Tubes with Venturi
7. Dual Ventilation Inlet Duct Spigots
8. Abrasive Resistant Duct Inlet Manifold
9. Quick Release Filter Cartridge Hatch Covers
10. Horizontally Mounted Twin Filter Cartridges
11. Wide Throat Butterfly Dust Discharge Valve
12. Dust Waste Drum with Roller Wheels
13. Clean Air Plenum
14. Flexible Connector Bellows
15. High Flow Fan Impellor
16. Fan Motor Various Voltages
17. Fan Discharge Silencer
18. Reverse Pulse Jet Diaphragm Valves
19. Compressed Air Pulse Jet Manifold



Specification Summary

Model		VDC6000 - SMALL	VDC12000 - MEDIUM	VDC32000 - LARGE
Blower Fan	Airflow	6000 CFM	12000 CFM	32000 CFM
	Static Pressure	10" W.G	10" W.G	10" W.G
	Motor	15 kw	30 kw	50 kw
	Power Type	3 Phase	3 Phase	3 Phase
Filtration System	Cartridges	12 PCS	24 PCS	64 PCS
	Filter Area	21 m^2 per cartridge	21 m^2 per cartridge	21 m^2 per cartridge
	Filter Material	80/20 - Cellulose/Polyester	80/20 - Cellulose/Polyester	80/20 - Cellulose/Polyester
	Cleaning System	Reverse Air Pulse Jet	Reverse Air Pulse Jet	Reverse Air Pulse Jet
	Pulse Valve (s)	6	12	32
Overall Dimension	L x W x H (mm)	1565 x 3250 x 4900	1750 x 5100 x 4550	6200 x 4400 x 4400
Overall Weight	Tons	1.3 Tons	2.05 Tons	5.4 Tons

Note : we have the right to reserve to change the dimension & specs without prior notice.

Portable Skid Mounted Site Dust Collector - Portable Site

Product Description

The PanBlast VTS Portable Dust Collector Series are rugged self-contained dust collection units which are specifically designed for on-site applications in the abrasive blasting industry.

All models within the VTS series are compactly designed for full mobility in and around the blasting site, and are available in various capacities and flow rates ranging from 5,000 m^3 / hour through to 20,000 m^3 / hour.

The system is supplied standard with a 15 meters long electrical cable and plug. Upon receipt of the system there are a few simple steps required for the site set up as follows:

1. Un-packing of the system.
2. Positioning of the portable dust collector, fitting of the 4 x telescopic extension legs and fines / dust waste drum.
3. Supply of compressed air for the reverse pulse jet cleaning system.
4. Fitting of the optional flexible exhaust ducting from the VTS unit to the enclosure that is requiring dust ventilation.

All VTS portable dust collectors are reverse air jet pulse type units featuring pleated jumbo filter cartridges. A reverse air jet pulse purging system is used to clean the cartridges periodically by pulsing a charge of compressed air inside of the filter cartridges, which dislodges excessive dust build up from the cartridges.

With its small compact footprint, maneuverability, positioning and storage of the VTS series when not in use is easy, either by a forklift, or by a site crane via the sturdy frame lifting lugs.

1 **Ventilation Air Volume Flow Rates:**

VTS5000 – 5000 m³/ hour – 2940ft³/ min
VTS9000 – 9000 m³/ hour – 6000ft³/ min
VTS12000 – 12000 m³/ hour – 7060ft³/ min
VTS18000 – 18000 m³/ hour – 10600ft³/ min
VTS20000 – 20000 m³/ hour – 11770ft³/ min

2 **Crane Lifting Eyes**

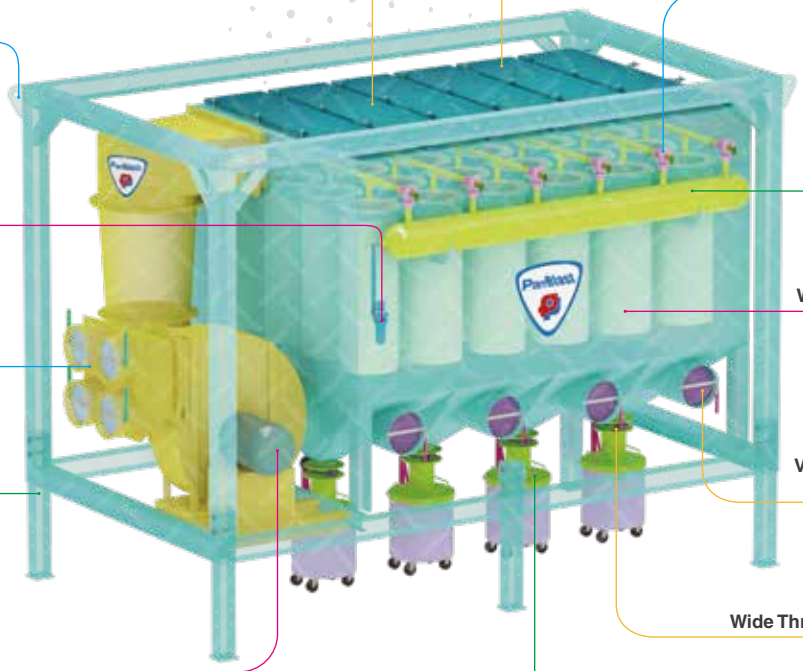
3 **Compressed Air Filter Regulator Assembly**

4 **Ventilation Air Discharge Vents with Adjustable Flow Flappers**

5 **Extendable Telescopic Leg Assemblies**

6 **Centrifugal Fan Motor Options:**

VTS5000 – 5.5 kw – 7 hp
VTS9000 – 11 kw – 14 hp
VTS12000 – 15 kw – 20 hp
VTS18000 – 22 kw – 29 hp
VTS20000 – 22 kw – 29 hp



13 **Filter Cartridge Maintenance Access Doors**

12 **Reverse Pulse Jet Cartridge Cleaning System**

11 **Compressed Air Pulse Jet Manifold**

10 **Washable Polyester Filter Cartridges**

9 **Ventilation Hose Attachment Spigots with Adjustable Flow Flappers**

8 **Wide Throat Butterfly Dust Discharge Valves**

7 **Sealed Dust Waste Drums with Caster Wheels**

Specification Summary

Model		VTS5000	VTS9000	VTS12000	VTS18000	VTS20000
Blower fan	Airflow	5000 m³/h	9000 m³/h	12000 m³/h	18000 m³/h	20000 m³/h
	Air Pressure	2100 Pa	2300 Pa	3000 Pa	3000 Pa	3000 Pa
	Motor	5.5 kw x 2P x IP55	11 kw x 2P x IP55	15 kw x 2P x IP55	22 kw x 2P x IP55	22 kw x 2P x IP55
	Outlet(s)	1	3	3	4	4
Dust Collector	Inlet(s)	3	2	2	4	4
	Cartridges	ϕ352 x 1000 L x 6 Pcs	ϕ352 x 1000 L x 12 Pcs	ϕ352 x 1000 L x 12 Pcs	ϕ324 x 1000 L x 24 Pcs	ϕ324 x 1000 L x 24 Pcs
	Pulse Valve(s)	2	4	4	6	6
	Intake Air Temperature	< 60°C	< 60°C	< 60°C	< 60°C	< 60°C
	Cleaning System	Reverse Air Pulse Jet	Reverse Air Pulse Jet	Reverse Air Pulse Jet	Reverse Air Pulse Jet	Reverse Air Pulse Jet
Supply Air Pressure	Minimun Pressure	Minimum 6 bar	Minimum 6 bar	Minimum 6 bar	Minimum 6 bar	Minimum 6 bar
Filtrate Efficiency	Efficiency Percentage	99.5%	99.5%	99.5%	99.5%	99.5%
Enclosure Structure	Framework	Containerized	Containerized	Containerized	Containerized	Containerized
External Dimension	L x W x H	2.15m x 2.07m x 2.95m	2.91m x 2.26m x 2.5m	2.91m x 2.26m x 2.5m	4.25m x 2.29m x 2.5m	4.25m x 2.29m x 2.5m
Overall Weight	Tons	1.2	1.8	2.2	3.5	3.5

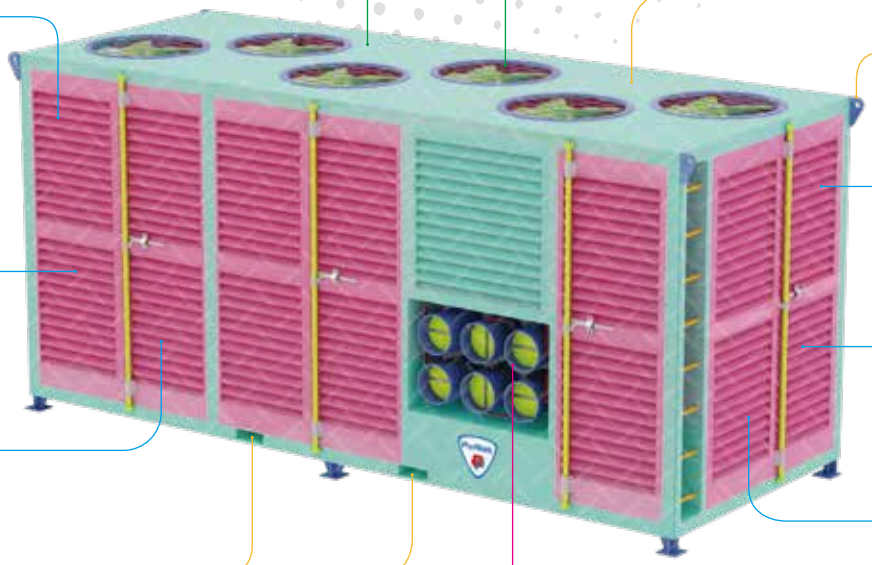
DHS Summer Dehumidifier Series

Product Description

The PanBlast DHS Summer Dehumidifier Series are designed and engineered for ambient temperatures ranging from plus 22°C to plus 38°C, and delivering dehumidified air of 25°C (+/-3°C) and a relative humidity of below 45% to the designated enclosure. The use of durable and corrosion resistant materials during construction ensures years of trouble-free usage in harsh marine environments such as shipyard applications.

The DHS Summer Dehumidifier uses a compressor style dehumidification process to remove moisture from warmer climates, or is for use during the summer season. Moisture laden air is drawn from the atmosphere into the DHS Summer Dehumidifier unit across the evaporator refrigerant condensing coils to condense and remove moisture from the air, with the extracted water dripping to drain (stainless steel drain pan optional). The moisture-free air is then reheated and fed back into the designated enclosure as dry/cool air, thereby reducing the relative humidity within the enclosure.

Dehumidification, or removing moisture from the air to control the environment when blasting and painting helps prevent flash rusting and promotes the curing of coatings. The surface of the blasted substrate has to be 3°C or higher than the dew point to prevent moisture from condensing on the substrate. Moisture condensing on an abrasive blasted surface will create problems with paint primer adhesion to the substrate, and will also affect curing of the coating. Dehumidification can also be used to speed up drying of concrete and hydroblasted surfaces prior to painting.

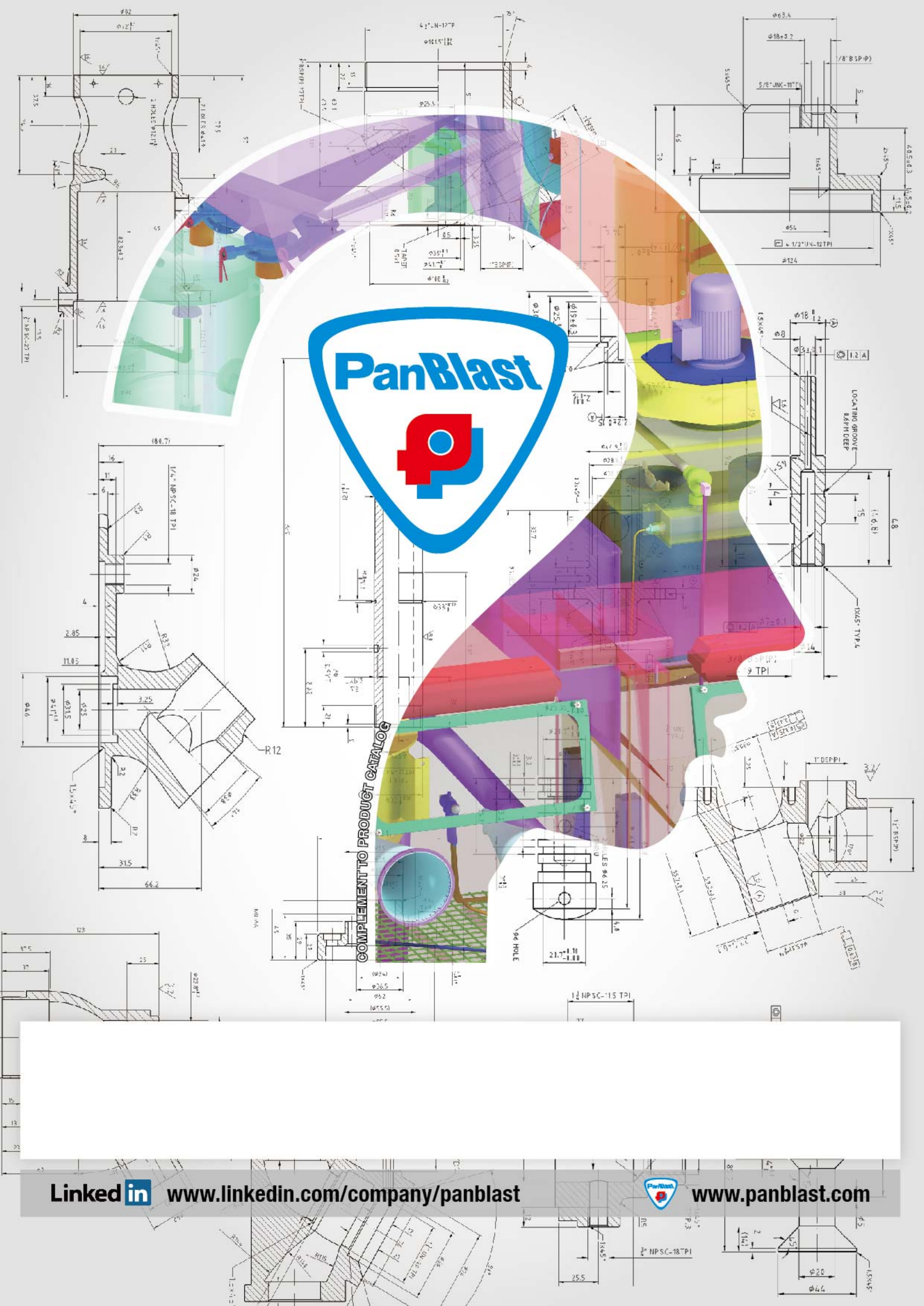


1. Dehumidified Air Flow 18000m³ / hour
2. Evaporator Capacity 326456 kcal / h
3. Evaporator – Stainless Steel Structure - Copper Tubes with Copper Fins
4. IP55 Control Panel
5. Lower Forklift Pockets
6. Ducting Discharge Air Connection – 6 x 280 mm with Adjustable Flappers
7. 54 kw Electric Heater
8. Compressor Capacity 82 kw (110 HP)
9. Condenser – Stainless Steel Structure – Copper Tubes with Aluminum Fins
10. Crane Lifting Points
11. Output Air Pressure 400 mm AQ
12. Six Condenser Fan Assemblies

★ Note : DHS18000 model illustrated above, specifications for the entire model range are summarized in the table.

Specification Summary

Model	DHS6000	DHS9000	DHS12000	DHS18000
★ Dehumidified Airflow	6000 CMH	9000 CMH	12000 CMH	18000 CMH
★ Air Pressure	200 mm AQ	250 mm AQ	300 mm AQ	400 mm AQ
★ Evaporator Capacity	150.5 kw	191.4 kw	207.0 kw	379.6 kw
	129569 kcal / h	164655 kcal / h	178448 kcal / h	326456 kcal / h
★ Compressor Capacity	SRC-S-113 30 kw / 40 HP	SRC-S-113 37 kw / 50 HP	SRC-S-163 45 kw / 60 HP	SRC-S-285 82 kw / 110 HP
Power Supply	380 - 440 V / 50 HZ / 3 ph			
★ Discharge Air Connection	2 x 280 mm Dia	3 x 280 mm Dia	4 x 280 mm Dia	6 x 280 mm Dia
★ Compressor	30 kw	37 kw	45 kw	82 kw
★ Electric Heater	27 kw	27 kw	27 kw	54 kw
Power Consumption	66.9 kw	81.6 kw	93.6 kw	179.2 kw
Condenser Motors	2 x 2.2 kw	3 x 2.2 kw	3 x 2.2 kw	6 x 2.2 kw
Blower Motor	5.5 kw	11 kw	15 kw	30 kw
External Dimension	L2.8 m x W2.2 m x H2.22 m	L3.8 m x W2.3 m x H2.42 m	L3.8 m x W2.3 m x H2.52 m	L5.92 m x W2.3 m x H2.5 m
Overall Weight	2.8 Tons	3.5 Tons	4 Tons	7 Tons
Evaporator	Copper Tubing with Copper Fins / Stainless Steel Structure			
Condenser	Copper Tubing with Aluminum Fins / Stainless Steel Structure			
Cooling Media Refrigerant	Air - Cooled R22			
Intake Air Temperature Discharge Air Condition	< 38°C Off Coil 8°C - 12°C			
	After Heating 25°C ± 3°C			
Dew Point Relative Humidity Pressure Display Air Filter	10°C 45% and below Low / High / Low Oil 2500 g/m 90% Efficiency			
Machine Noise	85 db (A) and below			
Control Panel Enclosure Structure	IP55 Enclosure Fully Containerized			



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