

BURWELL CYCLONE BLAST CABINETS



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BLAST CABINETS SELECTION GUIDE

SUCTION BLAST CABINETS

The most commonly used method of Cabinet Blasting is Suction Blast. This design combines the advantages of minimal compressed air requirements, standard mesh Abrasive Media and simple operating techniques. Suction Blast systems provide a particularly economical solution to most Abrasive Blasting applications. Suitable for most types of Abrasive Media including Glass Bead, Garnet, Plastic, Ceramic and Aluminium Oxide.

EXCLUSIVE DESIGN FEATURES

- Long life heavy duty fully welded steel cabinet construction for maximum durability and reliability with perforated floor mesh.
- Reliable baghouse filter or optional cartridge dust collectors are performance designed to satisfy the highest air volume and air to cloth ratios for maximum visibility, efficiency and productivity.
- Quick release large safety glass viewing window and high lux fluorescent lighting ensures high visibility and peak operator safety and efficiency.
- Safety switch interlocked swing doors complete with abrasive spill tray ensures a safe, clean work environment.
- Efficient cyclone grit cleaner maximises abrasive life, cabinet visibility and blasting performance.
- Clip on abrasive hopper and air control valve allows quick and clean abrasive top up and adjustments. Includes abrasive flow sight valve aids flow adjustments.
- Blow down gun included for easy clean up.
- Tungsten or optional boron carbide suction blast gun included.
- Moisture separator and pressure regulator with gauge combined with foot-activated operator valve.
- External separate light switch.

HANDYKLEEN RANGE - Ideal for light duty applications



Handykleen MK1
1202-4501

Technical Details	
Cabinet Work Area	750mm W x 510mm D x 575mm H
Cabinet Door Opening	450mm D x 540mm H
Dust Collector	60 litre drum type cartridge 240 cfm
Power	240 volt, single phase 0.55 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	140 kg
Inclusions	Right hand side door opening
Options	Left hand side door opening



Handykleen MKIII
1202-4503

Technical Details	
Cabinet Work Area	750mm W x 510mm D x 575mm H
Cabinet Door Opening	450mm D x 540mm H
Dust Collector	10 bag 300 cfm
Power	240 volt, single phase 0.75 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	240 kg
Inclusions	Right hand side door opening
Options	Left hand side door opening

INDUSTRIAL CYCLONE RANGE - For high performance blasting efficiency and productivity



Cyclone 68 - Part Number 1202-0608

	Technical Details
Cabinet Work Area	880mm W x 640mm D x 630mm H
Cabinet Door Opening	575mm D x 600mm H
Dust Collector	20 bag 300 cfm
Power	415 volt, three phase 0.75 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	385 kg
Inclusions	Right hand side door opening
Options	Jet pulse cartridge dust collector complete with 300mm diameter cyclone reclaimers
Options	Left hand side door opening
Options	Noise attenuator



Cyclone 912 - Part Number 1202-9120

	Technical Details
Cabinet Work Area	1115mm W x 900mm D x 700mm H
Cabinet Door Opening	820mm D x 670mm H
Dust Collector	30 bag 600 cfm
Power	415 volt, three phase 1.1 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	470 kg
Inclusions	Right hand side door opening
Options	Jet pulse cartridge dust collector complete with 600mm diameter cyclone reclaimers
Options	Trolley, turntable and tracks (600mm diameter)
Options	Left hand side door opening
Options	Noise attenuator
Options	Pneumatic lift up door



Cyclone 1212 - Part Number 1202-2120

	Technical Details
Cabinet Work Area	1200mm W x 1200mm D x 1200mm H
Cabinet Door Opening	1100mm D x 1160mm H
Dust Collector	40 bag 1000 cfm
Power	415 volt, three phase 1.5 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	600 kg
Inclusions	Right hand side door opening
Options	Jet pulse cartridge dust collector complete with 1000 diameter cyclone reclaimers
Options	Trolley, turntable and tracks (900 mm diameter)
Options	Left hand side door opening
Options	Noise attenuator
Options	Pneumatic lift up door



Cyclone 1515 - Part Number 1205-51500

	Technical Details
Cabinet Work Area	1500mm W x 1500mm D x 700mm H
Cabinet Door Opening	1400mm D x 650mm H
Dust Collector	40 bag 1000 cfm
Power	415 volt, three phase 1.5 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	900 kg
Inclusions	Right hand side door opening
Inclusions	Operator platform
Options	Jet pulse cartridge dust collector complete with 1000mm diameter cyclone reclaimers
Options	Trolley, turntable and tracks (1200mm diameter)
Options	Left hand side door opening
Options	Noise attenuator
Options	Pneumatic lift up door

PRESSURE BLAST CABINETS

Burwell's Pressure Blast Cabinets are foot pedal operated with greater output than conventional suction blasting systems. In Pressure Blasting, a closely regulated abrasive media flow is air propelled from a Blast Pot, through the tungsten blast nozzle and to the work surface at pressures up to 1035 kPa (150 PSI). Unlike Suction Blast where there are some restrictions to the specific weight of the abrasive media, Pressure Blast Systems can accommodate all abrasive media on the market today. All hoses, interconnecting ducting etc included.

ECONOMY RANGE

Econoblast 912P - Part Number 1201-7912

	Technical Details
Cabinet Work Area	1115mm W x 900mm D x 700mm H
Cabinet Door Opening	820mm D x 670mm H
Dust Collector	30 bag 600 cfm
Blast Pot	1230 (26L capacity)
Power	415 volt, three phase 1.1 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	500 kg
Inclusions	Right hand side door opening



HIGH EFFICIENCY RANGE

Pressure Blast 912 - Part Number 1203-9124

	Technical Details
Cabinet Work Area	1115mm W x 900mm D x 700mm H
Cabinet Door Opening	820mm D x 670mm H
Dust Collector	Jet pulse dust collector 1600 cfm
Cyclone Reclaimer	900mm rubber lined cyclone
Blast Pot	1532 (55L capacity)
Power	415 volt, three phase 5.5 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	1 tonne
Inclusions	Right hand side door opening
Options	Trolley, turntable and tracks (600mm diameter)
Options	Left hand side door opening
Options	Noise attenuator
Options	Pneumatic lift up door

Pressure Blast 1212 - Part Number 1202-2120

	Technical Details
Cabinet Work Area	1200mm W x 1200mm D x 1200mm H
Cabinet Door Opening	1100mm D x 1160mm H
Dust Collector	Jet pulse dust collector 1800 cfm
Cyclone Reclaimer	900mm rubber lined cyclone
Blast Pot	1642 (90L capacity)
Power	415 volt, three phase 7.5 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	1 tonne
Inclusions	Right hand side door opening
Inclusions	Operator platform
Options	Trolley, turntable and tracks (900mm diameter)
Options	Left hand side door opening
Options	Noise attenuator
Options	Pneumatic lift up door

Pressure Blast 1515 - Part Number 1205-51500

	Technical Details
Cabinet Work Area	1500mm W x 1500mm D x 1200mm H
Cabinet Door Opening	1400mm D x 1440mm H
Dust Collector	Jet pulse dust collector 2000 cfm
Cyclone Reclaimer	900mm rubber lined cyclone
Blast Pot	1642 (90L capacity)
Power	415 volt, three phase 7.5 kW motor for dust collector
Power	240 volt, single phase for cabinet light switch
Weight	1 tonne
Inclusions	Right hand side door opening
Inclusions	Pneumatic lift up door
Inclusions	Operator platform
Inclusions	Trolley, turntable and tracks (1200mm diameter)
Options	Left hand side door opening
Options	Noise attenuator



JET PULSE CARTRIDGE

OPTION FOR SUCTION BLAST RANGE



Reverse pulse jet clean cartridge collectors are supplied with a free standing cyclone.

EXCLUSIVE DESIGN

- **Auto Jet Pulse** - Infinitely adjustable auto timer control fires a shot of high pressure through the diaphragm valves to performance designed eductor tube.
- **Eductor Tube** - Designed to guarantee total cartridge dust cake removal ensuring constant performance under all dusting conditions.
- **Easy Access** - Doors are within convenient reach to allow for safe and simple cartridge changes from outside the collector. Service and repairs are a breeze.
- **Dust Disposal** - Manual dust discharge via sealed bin.
- **Cartridge** - Long life Pleatkeeper cartridge with superior fabric maximises submicron particle filtration. Cartridge is self aligning and integrally gasketed to eliminate leaks. Filters down to 0.5µm.
- **Design Flexibility** - Cabinet and dust collector are custom designed to provide the most cost efficient and compact installation to suit each individual application.

ACHIEVING EFFICIENCY & PRODUCTIVITY

For high performance blasting efficiency and productivity **Burwell Technologies** manufacture a range of Australian Made **Abrasive Blasting Cabinets** in Suction and Pressure Blast options.

We are committed to assisting our customers with their requirements by providing them with a comprehensive, economical and engineered solution.

SHARING THE EXPERTISE

Burwell maintains a broad knowledge base in all industries including aerospace, automotive, shipping, construction and medical. Our Team consists of highly qualified engineers dedicated to designing a specific machine to fit your detailed requirements, and to deliver the finish and performance you require.

We not only specialise in blast cabinets, but can also design and deliver a complete, automated, turnkey solution for abrasive blast facilities from a container blast room to full scale ship building yards.



Burwell High Efficiency
Suction Gun



COMPRESSED AIR CONSUMPTION		
NOZZLE JET SIZE	690 kPa (l/s)	100PSI (CFM)
3/32"	10	22
1/8"	12	25
5/32"	20	42
3/16"	26	54
1/4"	47	100

BURWELL SERVICE REPAIR AND MAINTENANCE

Our qualified team of service technicians can inspect, service and repair all of your blast equipment and have it running smoothly and productively.

Burwell customers can protect their investment by entering into a preventative maintenance agreement to provide ongoing service and support. Our scheduled service plan saves you time and money that worn, inefficient equipment can cause. Equipment is correctly serviced, on schedule by **Burwell** trained technicians using genuine parts while maintaining a full OEM service history.

Call **Burwell** today and organise a service to get you up and running at full production. On site service or pick up and return can be arranged



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Find your nearest branch by calling
1300 287 935 or visit us at
burwell.com.au