

BURWELL PRESSURE BLAST MACHINES



BURWELL
TECHNOLOGIES

PLUMBING OPTIONS

To Suit Your Productivity And Requirements

Standard Burwell Blast Machines come equipped with a Micromiser Abrasive Valve or a Thompson II Metering Valve. Both of these valves meter all common blast media - from coarse steel grit, to garnet, to fine glass bead.

If **custom design** is required, **optional valves** include, but are not limited to:



MICROMISER ABRASIVE VALVE

The **Micromiser Abrasive Valve** uses a sliding piston moving across a large orifice to provide accurate, reliable metering. Short abrasive paths minimise blockages. It can be stripped down for maintenance quickly and easily. Its flexibility reduces downtime between jobs that require different blast media.



TLR INLET VALVE

The **TLR Inlet Valve** is a tough, reliable inlet control valve designed for use in conjunction with a separate exhaust valve. This design provides positive and reliable operation, even under the most arduous operating conditions. Reliable, heavy duty inlet valve. Available in 1 inch and 1.5 inch.



THOMPSON II METERING VALVE

The **TII Valve** is a next-gen T Valve designed to provide the ultimate in metering performance. It offers a smooth response to either pneumatic or electric Deadman controls. A remote abrasive cutoff is available, allowing the operator to stop the flow of media while continuing a constant flow of air. This provides a quick and easy way to clear the blast hose and blasting area of abrasive. The TII Valve is ideal for multiple outlet use and is easily adaptable to most blasting systems.



AUTOMATIC AIR VALVE

This valve that supplies blast air to the system when the deadman control is activated. The **Automatic Air Valve** provides you with reliable functions and available in multiple sizes. Normally open and normally closed valves for virtually any system.



CLEMCO AUTO QUANTUM VALVE

The **Clemco Auto Quantum Valve** is used for pressure hold systems and pressure release systems with abrasive cut-off. Abrasive cut-off permits shutting off abrasive to blow down the surface with air. Available in both pneumatic and electric.



COMBO REMOTE CONTROL VALVE

The **Combo Remote Control Valve** provides rapid and reliable activation and deactivation by using an air-driven piston attached to a pinch ram. The **Combo Valve** is a normally closed, self sealing, fail-safe valve that combines the functions of the air inlet valve and exhaust valve. It can be controlled with either pneumatic or electric remote controls.



CLEMCO QUANTUM VALVE

The **Quantum Manual Abrasive Metering Valve** is an easily adjustable, manually operated abrasive metering valve which maintains precise settings from fully closed to fully open. It can be used with all common abrasives.



CLEMCO DIAPHRAGM OUTLET VALVE

The **Clemco Diaphragm Outlet Valve** is designed with a right angle inlet/outlet configuration and is used in blast pot exhaust applications where larger porting and flow capacities are required.

REMOTE CONTROLS PNEUMATIC

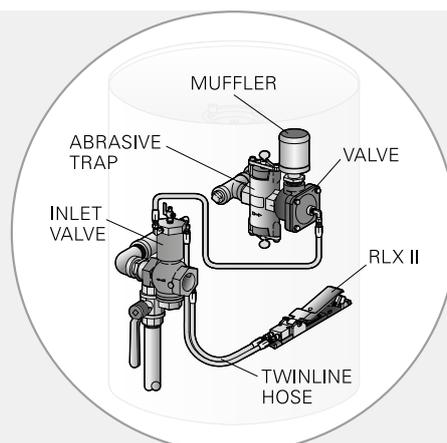
Pneumatic remote control systems offer safe, efficient operation of the blast machine from a lever mounted near the nozzle. In a Pressure Release System, pressing the trigger pressurises the machine to start blasting, releasing the trigger depressurises the machine and stops blasting.



AX Quick Acting Pneumatic Deadman Remote Control



Burwell Pneumatic Deadman Handle



ELECTRIC

Electric remote controls offer quicker response times at greater distances (beyond 20 metres from the machine) because the signal travels instantly to the machine. When using different lengths of blast hose it is easier to maintain a safer work environment* by using a Deadman Handle with a faster response time



AX Quick Acting Electric Deadman Remote Control



Burwell Electric Deadman Handle

* Uses safe 12V DC or 24V AC systems

BLAST POTS

SELECTION GUIDE



1230 0.7 cu ft, 20 Ltr

Grit capacity of 36kg.
Supplied with TLR
Remote Deadman
System, Screen, Lid and
10m Control Hose.

1230 1 Inch 0.7 cu ft, 20 Ltr

Grit capacity of 36kg.
Same great portability
plumbed with 1" piping
for superior productivity.
Supplied complete with
Electric or Pneumatic
Remote Control System,
Screen, Lid and 10m
Control Hose.

1236 1 cu ft, 28 Ltr

Grit capacity of 46kg.
Provides longer blast
cycles between refills.
Supplied complete with
Electric or Pneumatic
Remote Control System,
Screen, Lid and 10m
Deadman Control Hose.

1244 1.5 cu ft, 42 Ltr

Larger capacity and
portability are an
advantage of this 68kg
grit capacity machine.
Supplied complete with
Electric or Pneumatic
Remote Control System,
Screen, Lid and 10m
Deadman Control Hose.

1648 3 cu ft, 85 Ltr

With 1 - 1/2" valving this
machine ensures high
power with portability
and a grit capacity
of 136kg. Supplied
complete with Electric
or Pneumatic Remote
Control System, Screen,
Lid and 20m Deadman
Control Hose.

Note: Abrasive capacity stated is based on the product having a bulk density of 2.3 tonnes per cubic metre and all models come complete with Pneumatic or Electric Deadman Systems.

BULK BLAST MACHINES

Burwell Bulk Blast Machines are designed to have sufficient capacity for a full 8 hour shift for two to four operators.

Productivity gains of up to 25% can be achieved by the elimination of hourly refilling. Elimination of hourly depressurisation also helps to control moisture problems.

Available in stationary, yard trailer or highway trailer options with custom designed valving to suit your individual application.

PLUS
LARGER CAPACITY MACHINES
AVAILABLE ON REQUEST



BULK BLAST MACHINE MS-30 & MS-60

Size 1:
30 cu ft, 850 Ltr,
2 Outlet

Size 2:
60 cu ft, 1700 Ltr,
2-3 Outlet





2452
6 cu ft, 170 Ltr

With 1 - 1½" valving and 272kg grit capacity the 2452 - 6" provides productivity plus portability. Supplied complete with TLR300 Remote Deadman System, RLX Pneumatic or Pro-Series Electric Handle, Screen, Lid and 20m Deadman Control Hose.

2452 2 Inch
6 cu ft, 170 Ltr

With all the great features you've come to expect from Burwell Blast Machines: 2" plumbing, 2" Thompson II Valve for high volume and superior productivity. For best results use 2" blast hose.

2460
Double Chamber
10 cu ft, 290 Ltr
Single Outlet

Designed for continuous, non-stop blasting, the 2460 Double Chamber with Single Outlet for extended blast cycles. Comes standard with Thompson II Abrasive Valve.

2460
Double Chamber
10 cu ft, 290 Ltr
Double Outlet

Designed for continuous, non-stop blasting, the 2460 Double Chamber with Double Outlet for extended blast cycles. Double outlet for superior performance and productivity. Comes standard with Thompson II Abrasive Valve.

Fat Boy
Blast Machine
Size 1: 23 cu ft, 665 Ltr
Size 2: 11.5 cu ft, 330 Ltr

Low height, high capacity easy loading blast machine. Available with single, double and triple outlet.

Also available and a popular choice is the 1648 3 CU FT and the 2452 2 INCH Burwell Blastpots custom made with a **CONSTANT PRESSURE OPTION**. Advantages being: power savings, less abrasive wastage and greater productivity.



BULK BLAST MACHINE
MS-120

120 cu ft, 3400 Ltr,
3-4 Outlet



BULK BLAST MACHINE
MS-160

160 cu ft, 4350 Ltr,
4-6 Outlet

ACHIEVING OPERATIONAL EXCELLENCE

Since 1969, our reliable field service has made Burwell Blast Machines the preferred system for industrial blasting and painting contractors.

Burwell machines are built tough to survive the real world. With wear-parts positioned for quick replacement, Burwell Blast Machines virtually eliminate downtime, so they spend more time at the job site; less time in the work shop.



COMPLETE BLAST MACHINE PACKAGE

Take the guesswork out of buying a Blast Machine by ordering a complete system which includes:

- Blast Machine
- Remote Control Deadman System
- Blast Nozzle
- Fitted Blast Hose
- Blast Helmet
- CPF Air Breathing Filter
- Breathing Air Line
- Moisture Trap
- Screen and Lid

Everything **but** the compressed air and abrasive!
Please visit www.burwell.com.au for all of your compressed air and abrasive solutions.



- Australian Made to AS1210 Coded pressure vessels rated for 150psi
- Concave head stores abrasive for loading
- Conical bottom ensures smooth abrasive flow and complete emptying
- Large inspection door for access to the interior
- Wear-Resistant, vulcanised rubber pop-up valve seals tight and lasts longer

BURWELL RENTAL EQUIPMENT

Burwell's Rental Division has a large range of blast equipment available for short or long term rental.

Perfect for industrial, commercial or even domestic use, our rental fleet is always well maintained so you can get your project completed promptly.



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.

Our scheduled service plan saves you time and money that worn, inefficient equipment can cause. 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.

BURWELL
TECHNOLOGIES | SERVICE

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