**Purpose**

The Millennium controls pressurization and depressurization of the blast machine. The operator can start and stop blasting using a remote control handle attached to the blast hose near the nozzle. Pressing the handle pressurizes the blast machine and releasing the handle depressurizes the machine. Media stored in the concave head or in a hopper above the machine can flow in through the pop-up valve when the handle is released, automatically refilling the machine.

**Requirements for Operation**

The Millennium requires a supply of clean, dry, air with a minimum pressure of 30 psi. (A minimum of 40 psi is needed for pop-up valve activation.)

**Description of Operation**

The operator presses the remote control handle down, completing a circuit and sending air to the Millennium. The normally-closed inlet side of the Millennium valve opens to allow compressed air into the pressure vessel. Air flows from the inlet valve through an internal passageway to close the normally-open outlet side of the valve so the blast machine becomes pressurized. Releasing the remote control handle stops the air flow to the Millennium, which closes the inlet and opens the outlet. This allows the blast machine to depressurize. The built-in muffler quiets the escaping air.

**Advantages**

- 1 1/2-inch inlet port provides full unrestricted air flow.
- Built-in muffler reduces depressurization noise.
- Internal air connection between inlet and outlet allows for rapid pressurization, no external hoses to wear or replace.
- Fail-safe system stops air and abrasive flow if air supply is interrupted or remote control handle is released.
- Cast aluminum body resists corrosion.
- Simple operation — few moving parts to wear or break.
- Easy to maintain in field with standard tools.
- System fulfills OSHA safety requirements for operator on/off control at the nozzle.

**Technical Data Sheet**

*Note: For safe, efficient blasting, read and follow the owner’s manual and seek training for everyone who will use this equipment.*

**Millennium Inlet/Outlet Valve**

Stock No. 21336
Related Clemco Literature

Contractor Series Catalog ............................................ 21385
Abrasive Blasting Safety Practices Booklet .................. 22090
Blast Off 2 Booklet ...................................................... 09294

Millennium Valve & Replacement Parts

(–) Millennium Inlet/Outlet Valve ..................................... 21336
1. Plunger, urethane tip .............................................. 22600
2. Dual piston .......................................................... 22602
3. Spring, compression ............................................... 22604
4. Screw with internal thread for puller ......................... 22650
5. Upper sleeve ....................................................... 22603
6. 5/16”-NC x 1.25 socket head screw, 6 reqd .............. 22611
7. Inlet valve body .................................................... 21338
8. Cylinder cap ......................................................... 21339
9. 1 1/2” plug .......................................................... 02477
10. 1/4” hex nipple ..................................................... 02808
11. 1/4” x 90 female pipe elbow ................................. 06373
12. 1/4” petcock ......................................................... 01993
13. 1/8” NPT adaptor with 1/16” orifice ......................... 01945
14. Brass bushing, 1/4” x 1/8” .................................... 02010
15. 1/4” NPS adaptor ................................................. 02494
16. 1 1/4” pipe plug .................................................. 01762
17. Piston ............................................................... 22613
18. Muffler housing set* ............................................. 25988
19. Exhaust valve body ............................................... 21345
20. Inner sleeve ......................................................... 22612
21. Outlet/muffler assembly ........................................ 21731

Service Kits

(–) Millennium super service kit
(includes inlet, outlet, plunger and muffler kits) .. 22899
(•) Inlet segment seals ............................................... 22856
(••) Outlet segment .................................................. 22857
(+ ) Outlet muffler .................................................... 22868
(++) Plunger tip ......................................................... 22898

A. Parts breakdown of outlet/muffler, Stock No. 21731

Packaging

<table>
<thead>
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<th>Dimensions</th>
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<td>18 lbs.</td>
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Color
Champagne body with black muffler housing.

Authorized Distributor:

ISO 9001 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.
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