

CLEMCO

Description

The Millennium valve is a two-part remote control valve that combines inlet and outlet functions and includes an integral exhaust muffler.

Millennium Inlet/Outlet Valve

Stock No. 21336

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.

Purpose

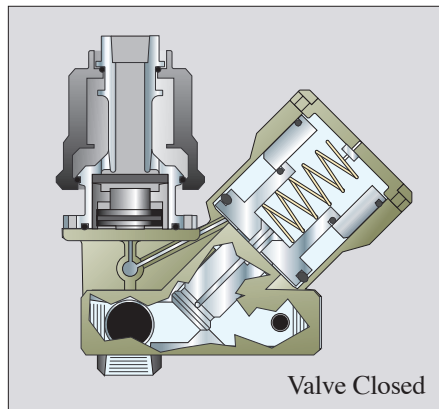
The Millennium controls pressurization and depressurization of the blast machine. The operator can start and stop blasting using a remote control handle attached to the blast hose near the nozzle. Pressing the handle pressurizes the blast machine and releasing the handle depressurizes the machine. Media 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

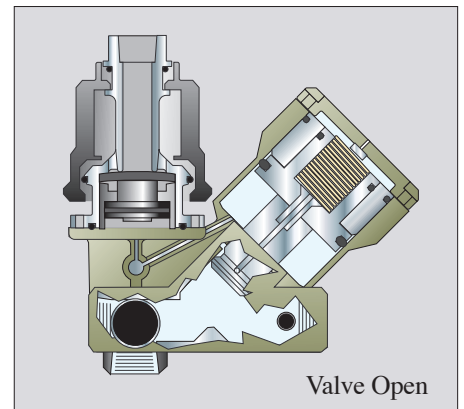
The Millennium requires a supply of clean, dry, air with a minimum pressure of 30 psi. (A minimum of 40 psi is needed for pop-up valve activation.)

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.



Valve Closed



Valve Open

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.

Related Clemco Literature

	Stock No.
Contractor Series Catalog	21385
Abrasive Blasting Safety Practices Booklet	22090
Blast Off 2 Booklet	09294

Millennium Valve & Replacement Parts

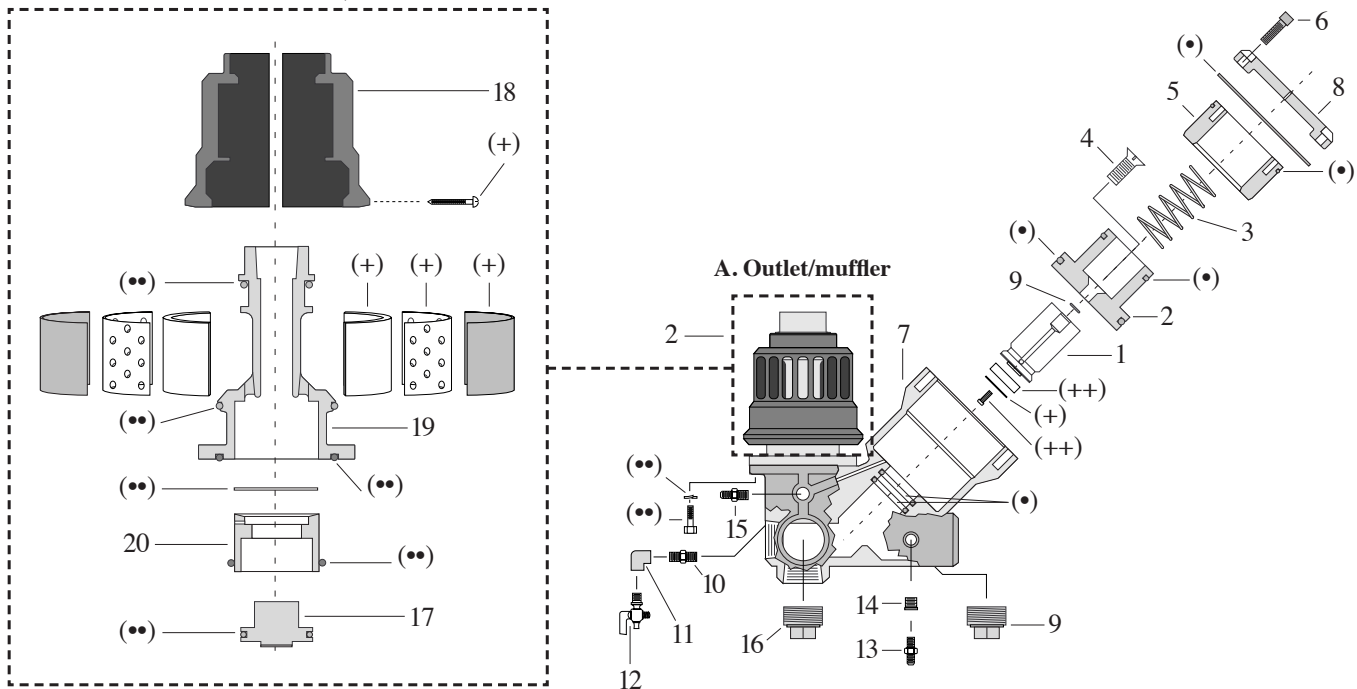
(-) Millennium Inlet/Outlet Valve	21336
1. Plunger, urethane tip	22600
2. Dual piston	22602
3. Spring, compression.....	22604
4. Screw with internal thread for puller	22650
5. Upper sleeve.....	22603
6. 5/16"-NC x 1.25 socket head screw, 6 reqd.....	22611
7. Inlet valve body.....	21338
8. Cylinder cap	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

	Stock No.
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

Dimensions	Shipping	Unit
Length:	15"	
Width:	12"	
Height:	10"	
Weight:	20 lbs.	18 lbs.

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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