

SPEEDO THOMPSON VALVE

Abrasive Metering Valve



The original Thompson Valve is a normally closed, self-sealing, abrasive metering valve known for its instant, smooth response to either pneumatic or electric deadman controls. This fail-safe valve shuts off abrasive flow to the nozzle and seals the tank at the same instant. A remote abrasive cut-off 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.

Designed for superior operator safety, the Thompson Valve is ideal for multiple outlet use and is easily adaptable to most existing blasting systems. It is engineered to allow precise metering of all types of abrasive media and can be modified for special applications.

Features

- One knob precisely controls abrasive flow
- Standard urethane sleeve for normal operation or optional tungsten carbide sleeve for extended life
- Design minimizes air turbulence in the mixing chamber, providing even media flow
- A short path helps ensure constant abrasive media flow
- Orifice is sized for precise metering of abrasive
- Rugged, non-corrosive body

Speedo offers a full selection of metering valves. Contact Speedo to discuss which metering valve is most suitable for your specific application.

BLASTMASTER® MAXUM I ABRASIVE METERING VALVE

An abrasive metering valve regulates the flow of abrasive from an abrasive blasting pot. Metering valves create optimum abrasive blasting efficiency by controlling the desired amount of abrasive entering the air stream. A lean air and abrasive mixture provides faster cutting, reduced abrasive consumption, increased productivity, and lower clean-up costs. The Blastmaster® Maxum I Abrasive Metering Valve is an air-actuated, normally-closed metering valve for use with a pressure-hold remote control system. When the remote control system is activated, an air signal is sent to the Blastmaster® Maxum I Abrasive Metering Valve, opening the valve, allowing abrasive to flow from the abrasive blasting pot. When deactivated, the Blastmaster® Maxum I Abrasive Metering Valve returns to the closed position, deactivating the flow of abrasive exiting the abrasive blasting pot. Typical applications include blast rooms, blast yards, bridges, oil refineries, pipelines, and storage tanks. Common abrasives used include aluminum oxide, garnet, glass bead, mineral abrasives, slags, staurolite, and steel grit/shot.



INCREASED PRODUCTION

The Blastmaster® Maxum I Abrasive Metering Valve is most often used with pressure-hold remote control systems, where the abrasive blasting pot remains pressurized. By deactivating the flow of abrasive ahead of the mixing chamber, the Blastmaster® Maxum I Abrasive Metering Valve prevents abrasive from filling up the abrasive blasting hose, greatly reducing “abrasive chugging” at activation.

PRECISION METERING

The Blastmaster® Maxum I Abrasive Metering Valve screw-type design delivers superior metering, providing a precise air and abrasive mixture for maximizing production.

COMMITMENT TO QUALITY

Our commitment to producing the highest quality products in the industry demands strict control over our raw materials and manufacturing processes. All components used in the manufacturing of Marco products adhere to strict process controls as specified by Marco’s Quality and Engineering team.



The Blastmaster® Maxum I Abrasive Metering Valve urethane seat lasts up to ten times longer than rubber.



The Blastmaster® Maxum I Abrasive Metering Valve stainless steel insert is heat-treated to a Rockwell C 40-45, lasting up to ten times longer than carbon steel.



The Blastmaster® Maxum I Abrasive Metering Valve pipe nipple is case hardened to a Rockwell C 50-55, lasting up to ten times longer than other pipe nipples on the market.

BLASTMASTER® MAXUM I ABRASIVE METERING VALVE



KEY FEATURES

- Precision metering
- Air-actuated valve
- High grade urethane seat
- Tungsten carbide sleeve
- Case hardened pipe nipple
- Heat-treated, stainless steel insert

OPTIONAL ACCESSORIES

Repair Parts & Kits



Repair parts and kits are available for all components of this valve.

Abrasive Cut-Off Switch System



The Abrasive Cut-Off Switch System allows the operator to use the Abrasive Blasting Hose to "blow down" the work surface after abrasive blasting.

Multiport Sleeve



Fixed, pre-metered sleeve with .178", .218", .278", and .343" ports for use with fine abrasives.

Whip Check Safety Cables



Whip check safety cables are available and comply with OSHA requirement 29 CFR 1926.302.

ABRASIVES
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