



# MV2 & MV3

MV2



MV3



## MICROVALVE® 2

Schmidt® valves consistently lead the industry in providing an unbeatable combination of operator safety, performance, ease of use and durability. Schmidt valves enable the operator to use significantly less abrasive and are engineered to maximize blasting productivity and reduce downtime.

The MV2® (MicroValve 2) provides high precision metering of abrasive media to increase production and effectively control media use. The patent-pending virtual position indicator allows the operator to quickly and easily set and maintain a consistent media flow rate, every time. A maintenance-friendly design allows for quick cleanout without removing or disassembling the valve. Most repairs can be made with the valve mounted on the vessel.

### FEATURES

- Suitable for use with multiple abrasives
- Highest quality components made from durable, abrasive-resistant materials
- Body is quality carbon steel and base/nipple are high strength, hardened steel for durability and long life, even when using aggressive media
- Internal porting and internal bypass line promotes better abrasive flow (up to double that of other valves, depending on abrasive) and extend life of internal components
- Cleanout port to remove obstructions without removing or disassembling the valve
- Rebuild kit can be installed from bottom side of valve, while still mounted on vessel
- Plunger is easy to remove and install with standard tools, does not require complete valve disassembly
- Fits most brands of abrasive blasting equipment

## MICROVALVE® 3

The Schmidt® MV3™ abrasive metering valve is the newest innovation in the family of industry leading Schmidt abrasive metering valves. The MV3 offers the proven productivity and safety advantages that Schmidt valves deliver to abrasive blasting operations through the precise metering of abrasive.

The new design focuses on extending the service life of the valve, creating an improved cleanout port design, and maintaining easy access to wear components for safe, efficient maintenance.

### FEATURES

- Stainless steel machined body to extend the service life
- Abrasion resistant steel base
- Thick rugged steel mounting nipple
- Overall valve design enhances maintenance efficiency by controlling downtime while delivering precise control of abrasive flow
- Flanged style cleanout provides easy access to and removal of debris
- Virtual Position Indicator (VPI™) under the knob allows for quick and consistent abrasive flow setting to optimize productivity



# COMPARE THE MV FAMILY



Valve Features	Schmidt MicroValve	Schmidt MV2™	Schmidt MV3	MV3 Benefits
Body	Aluminum	Carbon steel	Stainless steel	Extends valve life, especially with aggressive media
Base/Nipple	Carbon steel	High strength hardened steel	High strength hardened steel	
Bolt Holes	Not sealed	Sealed	Sealed	Eliminates air leaks around bolts
Knob	Pin-fastened	Integrated	Integrated	Simplifies assembly/disassembly
Media Connection	1 1/4" female NPT	1 1/4" male NPT	1 1/4" female NPT	Thick rugged steel mounting nipple (included) increases valve life
Abrasive Flow Rate	Normal	High	High	Flows more abrasive (up to 2x more, depending on media type)
Virtual Position Indicator (VPI)	No	Yes	Yes	Simple to set and maintain consistent media flow rate. See it, set it
Knob Adjustment	Yes	Yes (large)	Yes (large)	Easy to use, more compact than other handle types. Large knob is easy to grip and adjust
Cleanout Port	No	Yes	Yes	Clear obstructions without removing/disassembling valve
Maintenance Access Req'd	Top, bottom	Bottom	Bottom	Easy access, fewer components shorten rebuild maintenance time
Body Bolt	5/16" x 3 1/4"	3/8" x 1"	3/8" x 1"	Simplifies assembly/disassembly

## MV2 SPECIFICATIONS

**Body:** Quality carbon steel  
**Base/Nipple:** High strength, hardened steel  
**Sleeve:** Polyurethane  
**Inlet Media Connection:** 1 1/4" NPT

## MV3 SPECIFICATIONS

**Body:** Quality stainless steel  
**Base/Nipple:** High strength, hardened steel  
**Sleeve:** Polyurethane  
**Inlet Media Connection:** 1 1/4" NPT  
**Piping Sizes:** 1 1/4", 1 1/2"  
**Length:** 7 1/2"  
**Width:** 6 3/4" - 7 1/2"  
**Height:** 5" - 5 1/2"  
**Weight:** 7.85 lbs (8.5 lbs with the steel mounting nipple)

Contact your local Schmidt distributor or call Axxiom below for distributor information.