

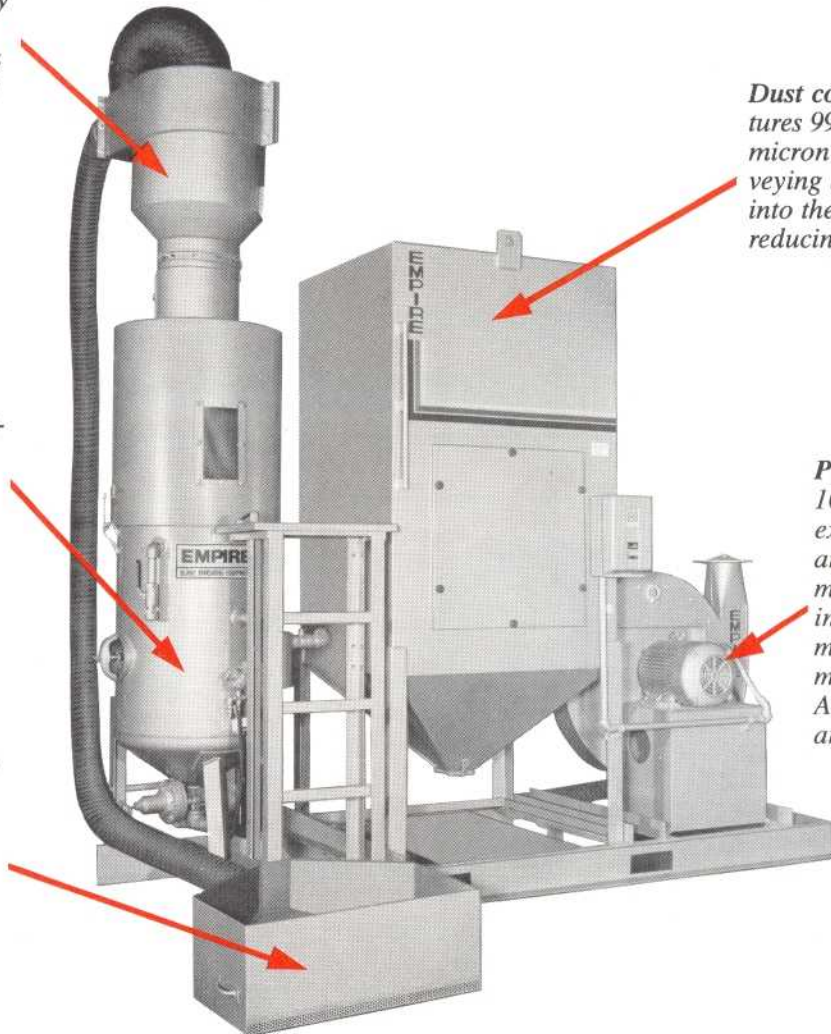
# EMPIRE

## PRS SYSTEMS

*Tunable media reclaimer assures high-quality blasting results by recycling only the correct-size blasting media. Ultrawear lining on reclaimer interior provides excellent durability.*

*SuperBlast® pressure system, with dependable SureFlo® grit valve, simplifies maintenance and yields high production rates.*

*Media recovery hopper can be moved around work area for easy media retrieval. Optional long troughs allow media to be swept into system without shoveling.*



*Dust collector, which captures 99% of particles one micron in size, permits conveying air to be recirculated into the workplace, thereby reducing HVAC costs.*

*Pressure blower, with 10-horsepower motor, extends effective work area and recovers media at rates exceeding 70 pounds per minute. System handles media sizes up to A-12 aluminum oxide and G-25 steel grit.*

## PRS Blast & Recovery System Reduces Operating Costs and Improves Finishes

Using “economical” blast media, such as sand or slag, for industrial blasting can be very costly indeed. Because these low-cost abrasives break down so quickly, reusing them is impractical. As a result, you’re constantly paying for replacement media, disposal of spent media, and man-hours to move this material around—all of which can put a big drain on your profits.

With Empire’s pneumatic Blast & Recovery System (PRS), you can tap the cost-saving advantages of more durable media for only a modest investment. Empire’s PRS lets you move up to recyclable media such as aluminum oxide, chilled iron and steel grit, which can be used effectively over and over—from 6 to 200 times. The result is usually a very attractive return on investment in media savings alone.

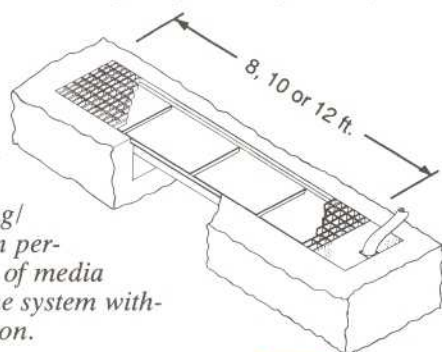
Reusable medias are also faster acting and less dusty, meaning you get the additional advantages of increased productivity and a cleaner working environment. With the PRS, you can move blasting operations into enclosures to comply with increasingly stringent environmental regulations. And, because the PRS lets you recycle only the abrasive size you want, finishes are more consistent.

Simple blasting controls and convenient media-loading procedures make Empire’s PRS very easy to operate. A built-in access ladder and viewing window in the system’s storage hopper are just two examples of the PRS’s many convenient features. And, with heavy-duty duct, an Ultrawear-lined reclaimer, and a silicone carbide nozzle, you know the system is designed to last.

## OPTIONS:

Fan silencer • Heavy-duty, butterfly damper to eliminate media pull-through • Automatic bag shaker • Manometer • Magnetic particle separator • Vibrating reclaimer screen • 8-, 10- or 12-foot sweep-in media-recovery trough • Operator safety equipment • Room-ventilation dust collectors • Out-door paint • Various electricals • Electric remote controls • SuperBlast® portable options and upgrades (See FaStrip® 200 series for other pot sizes and multiple-operator systems.)

*Optional media-recovery trough is installed flush with floor to enable sweep-in loading of recyclable media. Self-metering/anti-clogging design permits large amounts of media to be loaded into the system without operator attention.*

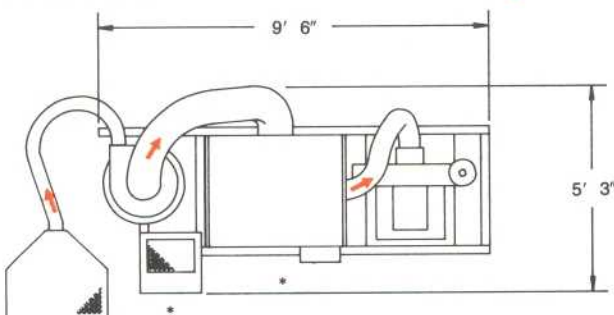


## SURE-FLO® VALVE

*Automatic Sure-Flo® valve (Patent No. 4,518,145) is easily adjustable and assures precise media regulation as well as uninterrupted flow. The Sure-Flo valve has excellent wear characteristics and, once worn, can be repaired more quickly and easily than any other grit valve on the market.*



## PLAN VIEW



### NOTES:

- Access areas are noted by asterisks (\*) in plan view.
- Arrows indicate direction of flow.
- Total system height is 11' 8"; SuperBlast 650 pot height is 3' 8".

## SYSTEM SPECIFICATIONS

Model No.	Part No.	Blast System	Chassis
PRS-6	245006	Mounts to existing 650 pot	Skid
PRS-6D	246006	Mounts to existing 650 pot	Dolly
PRS-6S	247106	SuperBlast 650 pot supplied	Skid
PRS-6SD	246106	SuperBlast 650 pot supplied	Dolly

<b>Media Recovery Hopper</b> <ul style="list-style-type: none"> <li>• 11-gauge, welded-steel construction</li> <li>• Anti-clogging refuse screen</li> <li>• Anti-overloading design</li> <li>• 30" wide x 30" deep x 12" high</li> </ul>
<b>Media Conveying Duct</b> <ul style="list-style-type: none"> <li>• 4" ID x 25' long—Heavy-duty construction</li> </ul>
<b>Media Reclaimer</b> <ul style="list-style-type: none"> <li>• Heavy, 12-gauge, welded-steel construction</li> <li>• Ultrawear lining with externally replaceable wearplate</li> <li>• Tunable to various media sizes</li> <li>• 800 CFM ventilation</li> </ul>
<b>Media Storage Hopper</b> <ul style="list-style-type: none"> <li>• 11-gauge, welded-steel construction</li> <li>• Viewing window</li> <li>• 6.5-ft<sup>3</sup> capacity</li> <li>• 24" nominal diameter</li> </ul>
<b>Pressure Vessel (PRS-6S and PRS-6SD)</b> <ul style="list-style-type: none"> <li>• SuperBlast® 650, ASME construction</li> <li>• 780 remote controls with automatic Sure-Flo® grit valve</li> <li>• 1 1/4" piping</li> <li>• 6.5-ft<sup>3</sup> capacity</li> <li>• Moisture-separator/filter and choke feature</li> </ul>
<b>Blast Apparatus (PRS-6S and PRS-6SD)</b> <ul style="list-style-type: none"> <li>• 5/16", silicone-carbide, venturi nozzle</li> <li>• 1 1/4"-ID x 50'-long, heavy-duty blast hose with couplings</li> <li>• Pneumatic blast-control switch, OSHA approved</li> <li>• 55' dual-line pneumatic control hose</li> </ul>
<b>Dust Collector/DCM-200 HV (High Vacuum)</b> <ul style="list-style-type: none"> <li>• 14-gauge, welded-steel, reinforced construction</li> <li>• 200 ft<sup>2</sup> filtration with 30 cotton-sateen bags</li> <li>• Large access door, raised clean-out door</li> <li>• Push-button, pneumatic cleaning</li> </ul>
<b>Pressure Blower</b> <ul style="list-style-type: none"> <li>• 10 hp, 3450 RPM, 800 CFM (at 42" static pressure H<sub>2</sub>O)</li> <li>• 440-480 V, 60 Hz, three phase with motor starter</li> </ul>
<b>Chassis</b> <ul style="list-style-type: none"> <li>• Heavy-channel iron, welded and reinforced</li> <li>• Access ladder with hand holds</li> <li>• Cut-outs for forklift transport</li> <li>• Heavy-duty rubber casters (PRS-6D and PRS-6SD)</li> </ul>

## OTHER EMPIRE PRODUCTS

- Blast Rooms
- SuperBlast® Portables
- Automated Blast Systems
- A full range of cabinets—economy to custom
- FaStrip® de-coating systems
- A full line of parts and accessories

# EMPIRE

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