

- Efficient Patented design
- Durable, Replaceable Ceramic Inserts
- Minimum CFM
- All Stainless Steel Fasteners and Springs
- Tough Polymer Housings
- Lower dB Levels
- Quick disconnect mounting bracket



ASK ABOUT OUR CUSTOM AIR WIPE DESIGNS → →



Finally, an Air Wipe that really works!

Just when you had about given up on finding an Air Wipe that would dry your wire completely with compressed air, KEIR has developed a dependable, simple and cost-effective new design. Boldly independent by design, reliable yet thrifty, our **FRONTIERSMAN** makes the most of any situation.

KEIR Frontiersman Air Wipes are custom made to your specified wire diameter. Our air wipes are designed to operate for the designated wire at a standard **60psi or 4.14 bars**.

Rugged design provides longer life

Designed to use the full potential of the compressed air source to perform the work of drying your product, the **FRONTIERSMAN** quietly accomplishes more with less. High density ceramic inserts in a tough polymer housing provide a durable long production life to the **FRONTIERSMAN**. U.S. Patent 5943729 issued 8/31/99



The diagram above illustrates how KEIR air wipes control the decompressed air resulting in a high speed flow back up the wire. The expansion and release of energy generates a substantial increase in air speed which impacts anything on the wire surface with greater force.

What is so unique to KEIR's design?

KEIR's design relies on the controlled use of compressed air which is allowed to decompress to atmospheric pressure within a carefully sized chamber. The air accelerates to nearly the speed of sound in a thin layer surrounding the wire. This release of kinetic energy stored when the air was compressed does far more work than other systems that rely on high volumes of air. The wire path is lined with **high-density ceramic material** for long life. The configuration of the ceramic keeps the wire centered within the airflow.



Two styles to choose from:

KEIR offers two designs that incorporate the same proprietary concept. One is primarily for bare wire consisting of a polymer mounting block with a **high-density, wear-resistant ceramic insert** that is hand pressed into the mount and seals with O-rings. The other is a split design for jacketed wire or cable which opens to allow welds or extrusion bulges to pass through without damage, or is used where it is not practical to thread the wire through an Air Wipe when setting up the line.

Frontiersman Air Wipes
Product of KEIR Manufacturing Inc.

The SureShot. (150 Series) Used on bare wire with line speeds up to 7,500 feet per minute, the SureShot is a versatile solution to wet wire problems. Sizes for wire up to .400" O.D. fit with two standard mounting configurations. Typically offered with a 2" x 2" x 1.5" mounting block, SureShot inserts can be manifold mounted or inserted in clamped blocks for multi-wire lines with centers as close as one inch or 25 mm.



The SplitShot. (Five Series: 250, 350, 450, 500, 550) KEIR's clamshell style SplitShot Air Wipe is a highly effective, rugged powerhouse in a small package. **Ceramic inserts** line the wire path and keep the wire centered within a powerful air stream. A tough polymer housing incorporates an integral hinge that can take abuse yet comes apart easily for service. **All standard fasteners, springs and hinge pins are stainless steel.** The SplitShot has been used on extrusion lines as fast as 7,000 feet per minute. Each unit is sold with its own air filter regulator including gauge and drain so that proper settings are easily monitored. The standard housing for wire up to .460" O.D. is only 2.375" wide x 2" tall x 3.5" long. SplitShots can be sized for round or flat profiles up to 4.5" O.D. or width.

KEIR FRONTIERSMAN AIR WIPES	
The Sure Shot	
Part # (completed in inches)	Maximum Product OD
85-150-.xxx	.400" / 10.16mm
The Split Shot	
***All Split Shot Assemblies except 550 Series come with regulator/gauge/filter/automatic drain included.	
Part # (completed in inches)	Maximum Product OD
85-250-.xxx	.460" / 11.68mm
85-350-xxx	1.000" / 25.40mm
85-450-xxx	2.000" / 50.80mm
85-500-xxx	3.000" / 76.20mm
85-550-xxx	4.500" / 114.30mm
Options	
<p>Square, Round, Oval, or Rectangular profile products: KEIR can adjust our inserts to contour to various wire shapes and sizes.</p> <p>Single Manifold/ Multiple Air Wipes or Multi-Line Applications: See pictures at top of page.</p> <p>Quick Disconnect Bracket: KEIR offers a quick disconnect bracket that allows users to simply unplug and pull off the air wipe to exchange air wipe sizes quickly.</p>	
Air Wipe Housings	Air Wipe Inserts
*Delrin	*Alumina
(a) CPVC	Titania
(a) Polypropylene	Delrin
* Standard	
(a) Acid Resistant Housing Material	

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