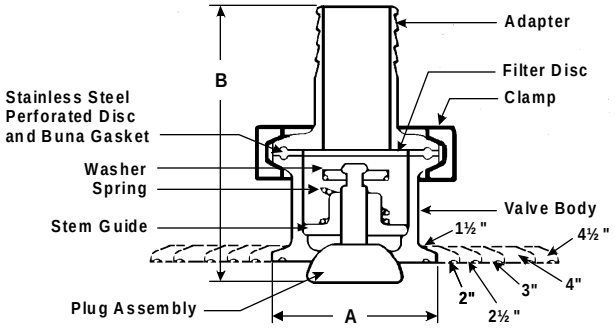
Air Blow Check Valve
Product Data/Specifications

Model 62-174R - Capacity to 1600 Cubic Ft/Hour Air Volume
Model 62-326 - Capacity to 4000 Cubic Ft/Hour Air Volume

Tri-Clover Air Blow Check Valve is designed to (1) evacuate lines of product or CIP solution and (2) for air agitation of product in tanks and other vessels. Protects pipelines against corrosion – air drying of lines permits formation of protective oxide film . . . the key to placing a system in its most corrosion resistant condition. Improves product uniformity and quality – product air agitation thoroughly mixes and blends product.

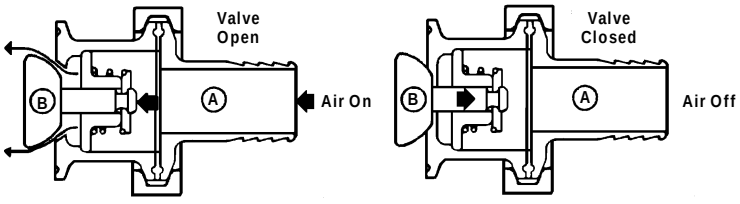
- **Fail Safe Operation** – backflow of product or CIP solution prevented by simple air to open, spring to close operation.
- **Easy Assembly/Disassembly** – Tri-Clamp® connections permit quick disassembly and assembly for replacing Filter Media, cleaning or inspection.
- **Remotely Controlled** – can be remotely controlled via air or electric switch
- **Rugged Construction** – type 304 stainless steel is standard. (Optional 316 available). Spherical plug assembly is bonded synthetic rubber.
- **Conforms to 3A Accepted Practices** – for applications requiring a final filtering of air prior to entering tank or pipelines.



Principles of Operation

Filtered air enters adapter (A) and exerts pressure on the valve plug assembly (B) causing it to move forward and unseat. The filtered air passes through the valve and around the valve plug assembly (B) entering the pipeline or tank. When the air pressure entering the adapter (A) is shut-off the valve plug assembly is returned to its normally closed position by return spring, preventing any product or CIP solution backflow. The Air Blow Check Valve can be used in any position, horizontal or vertical.

The Air Blow Check Valve is easily installed on tanks or other vessels, for product agitation, by using a Tri-Clamp, a gasket, and a mounting ferrule. No other fittings are required. To use the Air Blow Check valve to evacuate lines of product or CIP solution it is recommended that it be clamped on the end of the "Y" branch of a Ball Check Valve then installed in the line. See page 2 for illustrations of typical installations.



Note: The Air Blow Check Valve must be used with a Filter Disc (Not furnished with unit). These filter discs are available in packages of 50. See page 2 for ordering instructions.

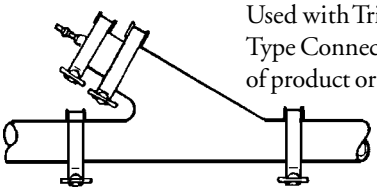
VARIETY OF ADAPTERS AVAILABLE		
Adapter Type	**For Model 62-174R**	**For Model 62-326**
 "A" Adapter - For Air Line Quick Coupler	(A) #37-80	(A) #37-161
 "B" Adapter - For 1" ID Rubber Hose	(B) #14MPHR-1-S	(B) #14MPHR-2 x 1-S
 "C" Adapter - For NPT Female Connector "C1" Adapter	(C) #23BMP-1½ x 3/8-S 3/8 NPT Female Connection (C1) #23BMP-1½ x ½-S ½ NPT Female Connection	(C) #23BMP-2 x ¾-S ¾ NPT Female Connection

DIMENSION TABLE

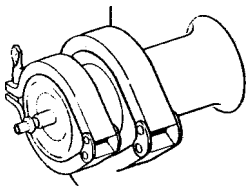
Connection Size	A - O.D. (Inches)	B-OVERALL LENGTH					
		Model 62-174R-Adapter-Size			Model 62-326-Adapter-Size		
		"A" Adapter	"B" Adapter	"C" or "C1" Adapter	"A" Adapter	"B" Adapter	"C" Adapter
1½	1 15/16	2 ½	3	2	3 11/16	3 9/16	2 11/16
2	2 ½	2 ½	3	2	3 11/16	3 9/16	2 11/16
2½	2 1/16	2 ½	3	2	3 11/16	3 9/16	2 11/16
3	3 9/16	2 ½	3	2	3 11/16	3 9/16	2 11/16
4	4 11/16	2 ½	3	2	3 11/16	3 9/16	2 11/16
4½	5 1/8	2 ½	3	2	3 11/16	3 9/16	2 11/16

Air Blow Check Valve

Typical Installations of Air Blow Check Valve and Disposable Air Filter Media



FOR AIR BLOWING PIPELINES –
Used with Tri-Clover's ball check valve #(45BY-Type Connection-Size) for pipeline evacuations of product or C.I.P solution.



FOR PRODUCT AGITATION IN TANKS OR VESSELS

RECOMMENDED ACCESSORIES:
3/8" (Min.) Solenoid Valve (#33-112)
3/8" (Min.) Poly-Flo Tubing (#41-15) - For model 62-174R
3/8" (Min.) Vinyl Hose (#41-23) – For Model 62-326

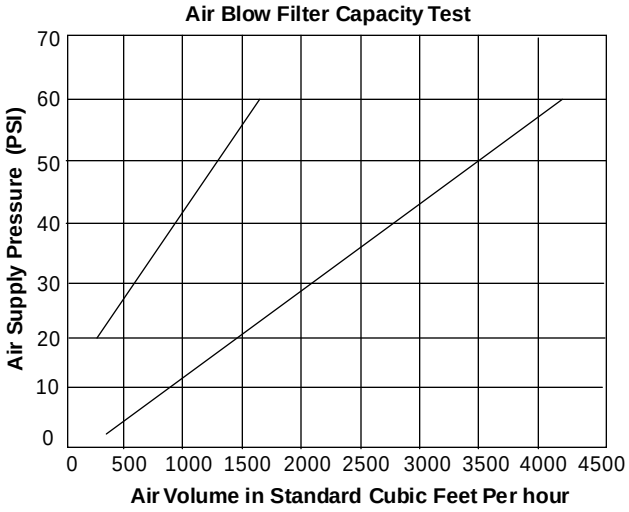
The Tri-Clover Disposable Air Filter has been designed to filter out the impurities in air placed under pressure for drying out process tubing after it has been cleaned and rinsed. It also serves as a filter for air used in the air agitation of products in tank or vessels.

It is located upstream from and as close as possible to each point of application or ultimate use of air. It is intended to be used downstream from a normal pre-filter.

The Tri-Clover Disposable Air Filter consists of a filter media disc and a Tri-Clamp gasket bonded to a perforated stainless steel disc. The filter disc meets the efficiency guidelines of air pipeline filters of at least 50% as measured by the COP* tests as required by 3A Standards. While meeting this requirement the Tri-Clover Disposable Filter still passes sufficient air to effectively purge process tubing or provide for product air agitation.

"Dioctyphthalote fog method (DOP) MIL-STD 282 method 102.9.1.

Disposable Air Filter Media Capacity Test

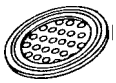


Disassembly

To replace a filter media, loosen and remove the Tri-Clamp on the air blow check valve. Lift off the adapter and remove the filter media that is to be replaced.

Assembly

Install the perforated stainless steel disc with the bonded Tri-Clamp gasket. Place the filter disc on the top of the perforated stainless steel disc with dark side up. Replace the air cap and Tri-Clamp. The air check valve complete with air filter is ready for operation.

Replacement Media Ordering Information		
Item	**For Model 62-174R**	**For Model 62-326**
 Filter Disc	Order #FA-1½-30A Sold 50/pkg. .5 MICRON	Order #FA-2-30A Sold 50/pkg. .5 MICRON
	Order #FA-1½-30B Sold 50/pkg. .3 MICRON	Order #FA-2-30B Sold 50/pkg. .3 MICRON
 SS Perforated Disc and Buna Gasket	Order #FAD-1½-01 Sold in Single Units	Order #FAD-2-01 Sold in Single Units