

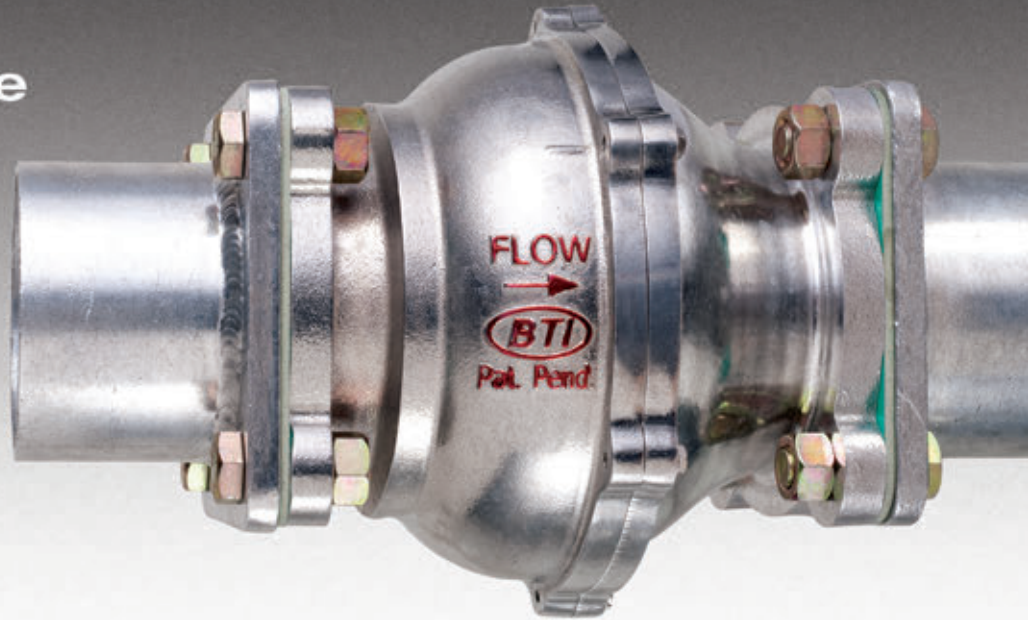
OPTIMA

Proudly made in the USA

CHECK VALVES BY B.T.I.

BTI's new Optima Check Valve

Optima, our new and improved check valve for pneumatic systems. Previous to Optima, check valves were heavy, flow restrictive, and caused a constant risk of load contamination. BTI's Optima Check Valve offers solutions to all these problems. Fewer parts and smarter construction allows for a light weight valve. Our unique bell design, conical poppet and fewer supports allow for increased airflow and no turbulence. Optima's spring housing and guide bushings make load contamination virtually impossible. Optimum performance and optimum air flow - BTI's Optima Check Valve.



Available in 4 Configurations



3" Flange



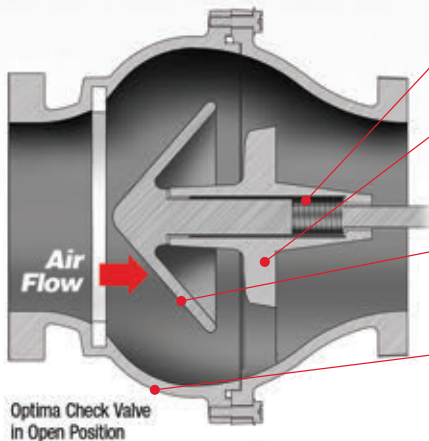
3" Threaded



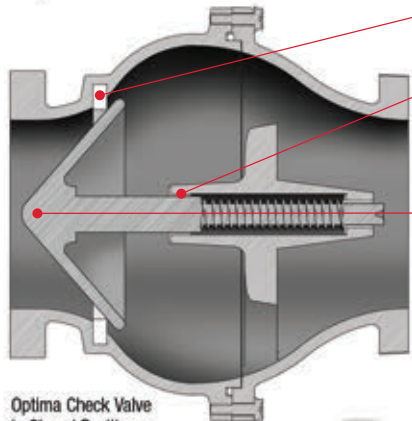
4" Flange with TTMA 8-Hole Bolt Pattern



4" Flange with TTMA 8-Hole Bolt Pattern and Threaded Pressure Relief Valve for blowers



Optima Check Valve In Open Position



Optima Check Valve In Closed Position

Coil Spring - Tested to provide over twice the cycling life as a conventional torsion spring.

Spring Housing - Protects your load from being contaminated from a broken spring, a common problem with torsion springs and lift check valves on the market today.

Fewer Internal Parts - Fewer parts means lighter weight and less risk of parts contaminating material being conveyed.

Bell Housing Design - Provides more open area which results in less back pressure than a standard horizontal check valve.

Molded Gasket Seat - Seals conical surface of seat to conical surface of poppet.

Guide Bushings - Bushing stops poppet from opening too far and choking flow or damaging spring. Both bushings are located on same side of poppet to limit flow obstruction.

Conical Aluminum Poppet - Conical design allows for smooth air flow and less turbulence. Poppet is hard anodized to decrease wear and lightweight for fast response. Its one-piece construction has no fasteners to loosen and contaminate down stream flow.

Available in 3 or 4 inch sizes.

All BTI products are guaranteed to:
LAST LONGER. WORK BETTER.

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