

#### Piston check valve advantages:

1. **Prevents Backflow:** It ensures one-way flow, protecting equipment from potential damage caused by reverse flow.
2. **Durable and Reliable:** The piston design is well-suited for high-pressure and high-temperature environments, providing long-lasting performance.
3. **Tight Sealing:** The piston mechanism creates a tight seal, minimizing leaks and ensuring efficient operation.
4. **Minimal Maintenance:** These valves require less maintenance compared to other types due to their robust design.
5. **Smooth Operation:** Piston check valves offer smooth and controlled opening/closing, reducing pressure surges and water hammer effects.

