

Quarter-Bloc™ Ball Valve

Installation & Operation Instructions

Operating Instructions

The valve should be operated within the range of the published working pressure vs. temperature ratings. Refer to the "QUARTER-BLOC CHEMICAL RESISTANCE GUIDE".

The valve should not be used where the media contains suspended particles.

The valve is not rated for vacuum service.

The valve should not be used in certain chemical applications such as H_2O_2 , $NaClO$, etc.

Some chemicals, as listed above, can create an off-gassing effect, which can lead to excessive pressure increase and create valve failure.

Preventative measures need to be taken to insure the valve is not frozen in cold environments.

Insulation or Heat Tracing should be considered. (This could cause valve failure)

The valve should be properly disposed of. (The valve generates a toxic gas if incinerated)

Contact the proper waste disposal company in your area.

Installation Instructions

Ensure that the valve is free from pipe misalignment, stress or external impact. Check the centering and parallelism upon installation.

Do not install the valve when the atmospheric temperature is lower than 40° F

Proper ventilation should be used to prevent the adhesive fumes from building up.

Do not apply excessive adhesives. (Excessive solvents can cause stress cracking, which can lead to valve failure)

Check the union nuts for proper tightening after installation.

Avoid excessive tightening of pipe supports if used. Excessive tightening of supports can cause leakage by creating misalignment or stress on the the valve end connector.

The valve has two flow directional arrows on the body. When installing the valve, insure the arrows are in the direction of the flow. (This insures the threaded carrier is to the upstream side, for ultimate safety when used as a blocking valve)

Periodic inspection and re-tightening should be considered.

Troubleshooting

What if handle does not rotate smoothly?

Foreign material has formed on the ball or seat. Clean both.

Internal parts chemically attacked or swollen. Refer to QUARTER-BLOC CHEMICAL RESISTANCE GUIDE for compatibility.

Carrier over tightened. Retighten properly.

What if handle rotates too freely?

Stem is damaged.

Handle is not engaged with stem. Inspect.

Engaging part of stem and/or ball is damaged.

What if stem leaks?

Stem or O-Ring is damaged.

What if the fluid still flows when valve is closed?

Carrier is not properly tightened. Tighten it firmly.

PTFE seat is damaged or worn.

Foreign material is caught between ball and PTFE seat. Remove material as needed.

What if fluid leaks between body and union nuts?

Carrier or face O-ring is damaged, worn, or missing.

- ***This valve is designed for water and light chemical application only.***
- ***Use ASAHI Type 21 Ball Valves in severe applications or when accessories are required.***
- ***There are NO replacement parts for the Quarter-Bloc Ball Valve.***
- ***Please contact your local distributor for new valve.***