VT series
Ball Valve for Rail Applications

Installation and Maintenance Instructions

TECHNICAL DATA

- Fluid: Compressed air
- Working pressure: 10 bar (146 psig)
- Maximum pressure: 12 bar (175 psig)
- Storage temperature: -40 °C to +85 °C (-40 ° to 185 °F)
- Operating temperature*: -40 °C to +85 °C (-40 ° to 185 °F)
- Storage temperature: -55 °C to +85 °C (-67 ° to 185 °F)
- Screws: Steel
- Use pipe thread sealant on male threads only. Do not allow sealant to enter interior of valve.

INSTALLATION

1. Shut off inlet pressure. Reduce pressure in inlet and outlet lines to zero.
2. Remove the valve from the air line. Disassemble in general accordance with item numbers on exploded view.
3. Lubricate o-rings and seats (item 3, 4, 7, 30) with light coat suitable grease with temperature range -40°C to +85°C (the grease should be based on synthetic hydrocarbon oil and calcium soap).

Assembling

1. Lubricate o-rings and seats (item 3, 4, 7, 30) with light coat suitable grease with temperature range -40°C to +85°C (the grease should be based on synthetic hydrocarbon oil and calcium soap).
2. The ball valve must be connected to the system so it respects the direction of flow shown on the body of the valve. The plugs must be removed before use.

Circuit monitoring

- These products are intended for general usage primarily for Rail sector. Do not use these products where pressures and temperatures can exceed those listed under Technical Data.
- Before using these products with fluids other than air, consult IMI Precision Engineering.
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WARNINGs

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- The ball valve is meant to open/close working fluid supply, not for flow regulation. Electric monitoring provides information about actual working status just in end positions. This signal is for information only and should not be used as a safety signal. Before disassembling of device placed behind the valve, the operator needs to check the system is depressurized by separate pressure indicator (e.g. pressure switch), even the signal from monitoring shows closed position of the valve. The valve equipped by electrical monitoring needs to be grounded to ensure proper protection against electric shock. End user is responsible for correct grounding and wire protection against damage.