

Before installation these instructions must be fully read and understood

General

- The intent of these instructions is to acquaint the user with the storage, installation and operation of this product.
- **Please read these instructions carefully before installation.**
- This Parallel Slide Valve should only be used in accordance with the applicable operating instructions (referred to at the end of these instructions) and within the application specifications of the purchase order.



WARNING

- The improper installation, application or maintenance of the valve or the use of parts or components not manufactured by us may result in a failure of the Parallel Slide Valve.
- Any installation, maintenance, adjustment, repair or test, performed on the Parallel Slide Valve must be done in accordance with the requirements of all our applicable procedures and instructions as applicable National and International Codes and Standards.
- The information, specifications and technical data (the!“Specifications”) contained in this document are subject to change without notice. We do not warrant that the specifications are current and assumes no responsibility for the use or misuse thereof. The purchaser should verify that there have been no changes to the specifications prior to use.

Installation

- Valves are damaged when first placed in service because of failure to clean the connections properly when installed. Before installation flange faces or threaded connections on both valve and pipeline on which the valve is mounted must be thoroughly cleaned of all dirt and foreign material.
Because foreign materials that pass into and through Parallel Slide Valves can damage the valve, the systems on which the valves are tested and finally installed must also be inspected and cleaned. New systems in particular are prone to contain foreign objects that will get trapped during construction and will destroy the seating surfaces causing leakage, and moving parts causing jamming. The system should be thoroughly flushed through before installation of the Parallel Slide Valve.
- The gaskets must be dimensionally correct for the specific flanges. The inside diameters must fully clear the valve inlet and outlet ports so that the gasket does not restrict the flow.
- For flanged valves, tighten down all connection studs or bolts evenly to avoid possible distortion of the valve body. For threaded valves, apply a wrench to the flats provided on the valve body.
- The valve may be installed in horizontal or vertical pipework. Always ensure that there is sufficient room for the hand wheel to be adequately operated. This is particularly important where the hand wheel has a rising stem when the valve is opened.
The valve may be fitted either way in the pipeline.
Refer to International, National and Industry Standards for guidelines on pipework design.
- When installing valves on steam systems, always ensure that the pipework, on the inlet is fitted with a pipeline strainer and that both inlet and outlet pipework is fitted with a ‘dirt leg and pocket’ and that adequate steam traps are fitted. This will help to prevent the accumulation of foreign objects in the Parallel Slide Valve, which if trapped between seat and disc may cause damage leading to the valve leaking.

Operation

- Clockwise rotation of the hand wheel will close the valve; to fully close the valve, rotate the hand wheel until the lower mechanical stop is reached. When this position is attained the hand wheel should be turned back 1/2 turn to ensure positive seating. The hand wheel effort should not be forced against the lower stop.
- Anticlockwise rotation of the hand wheel will open the valve; to fully open the valve, turn the hand wheel until the upper mechanical stop is reached.
- It is not recommended that the system is operated with valve left in the partly open/closed position.
- The Parallel Slide Valve requires 3.5bar differential pressure to create an effective seal; this can be achieved with flow in either direction
- If the gland is found to leak, the studs on the stuffing box may be tightened down, if this does not cure the leakage, the valve should be removed from the system and the gland packing replaced.

Storage and Handling

- Because cleanliness is essential to the satisfactory operation and tightness of a Parallel Slide Valve, precautions should be taken during storage to keep out all foreign material. Inlet and outlet protectors should remain in place until the valve is ready to be installed in the system. It is recommended that the valve is stored in the original shipping container away from dirt and other forms of contamination.
- Parallel Slide Valves must be handled carefully and not subject to shocks, these may deform valve parts and adversely affect seat tightness and valve performance.
- The valve should be lifted in a safe manner, when it is necessary to use a hoist, the chain or sling should be placed around the valve body in a manner that will ensure that the valve is in a vertical position to facilitate installation.

PED - Operating and Safety Instructions

Parallel Slide Isolating Valves

Safety precautions

- Never attempt to remove a Parallel Slide Valve from a system that is pressurized and never attempt to carry out maintenance on a Parallel Slide Valve when the system is pressurized, always wait sufficient time to allow the system to completely depressurize before removing the valve.
- If the valve is not properly isolated from the system pressure, the valve will be pressurized, which could cause serious injury to personal.
- Always wear proper safety gear to protect hands, head, eyes, ears, etc. anytime you are near pressurized valves.
- Do not attempt to change the gland packing whilst the valve is under pressure.
- Parallel Slide Valves fitted onto steam and hot water systems will be 'hot', always wear gloves for protection when operating or working on the valves.
- For further information including adjustment, maintenance, and detail illustrations, obtain the appropriate Operation and Maintenance Manual from the table below. These manuals may be obtained from the factory or our website.

Documentation

Valve models	Document
2000/7409/7608/7609	ES/PSV/0/008

Note

Service technicians are available to assist with your installation or other field problems. Call you're nearest representative or our factory at the address shown below.

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