

General Installation Instructions SERIES "A" Maintenance Gate

Thank you for your purchase of a Lorenz valve. We appreciate your business! Please read this installation manual and follow recommended safety precautions.

Read thoroughly and contact Lorenz if you have any questions.

Canada 1-800-263-1942 USA 1-800-263-7782

IMPORTANT – DISCONNECT & DE-ENERGIZE ALL ELECTRICAL AND COMPRESSED AIR CONNECTIONS TO ANY VALVE PRIOR TO INSTALLATION

Caution: Please follow your prescribed safety policy during installation. Use extreme caution when handling these valves. Lock out all sources of energy.

SAFETY

Before attempting installation or before connecting electricity or air supply, please review and familiarize yourself with the operation of the Lorenz gate. Be aware of any sliding blades and moving parts which could cause injury if the valve or gate is handled incorrectly. Keep all body parts clear of these potential hazard areas.

Before actuating, ensure all personnel and equipment are clear of any moving parts. Pay attention to any warning labels on the valve or gate. Do not operate without all supplied guarding in place. Keep hands clear of any moving parts. Please contact Lorenz if you have any questions regarding the safe handling and installation of your valve or gate.

UNPACKING AND INSPECTION

Please carefully examine the box or crate for damage by the carrier during shipping. Immediately report any damage or missing boxes/ crates to the delivering carrier. Lorenz is not responsible for damages caused in transit, but can assist you in launching a claim with the carrier. Please notify Lorenz immediately of any damages or shortages.

STORAGE AND HANDLING

All valves should be stored in an enclosed, clean, dry area, free from excess humidity temperatures or moisture. All valves should be stored with all openings covered to prevent foreign matter from entering the valve including all solenoids and electrical connections and compressed air lines.

ELECTRICAL REQUIREMENTS (IF REQUIRED)

Please ensure all electrical connections are to local codes and done by qualified personnel. An electrical disconnect box must be provided for electrical actuators with a mechanical lock out in the off position. Valves and Gates equipped with Solenoid Valves and Limit Switches will require power supply. Please check

APPLICATION / SYSTEM TYPE

Maintenance Gates are for gravity application only.

Maintenance Gates seals are dust tight and will not seal against pressure or vacuum.

Warranty is void if valve is operated beyond rated limits

MECHANICAL CONNECTIONS AND MOUNTING

Flange Connections

Check to make sure flange bolt holes line up and that the sizes match. Ensure mating flange is clear of old sealing gasket material, corrosion and other debris. Mating flanges should be flat and straight. Do not drill into flange on the gate as this can damage the valve and will void the warranty. Check flange bolt length round maintenance gate flange 5/8" thick, threads must not bottom out cause gate damage.

Support Requirements

All gates must be properly supported to prevent binding and damage. Failure to support any gates will void the warranty. Other equipment other than factory supplied accessories must not be supported from the gate body.

All flange holes should be utilized.

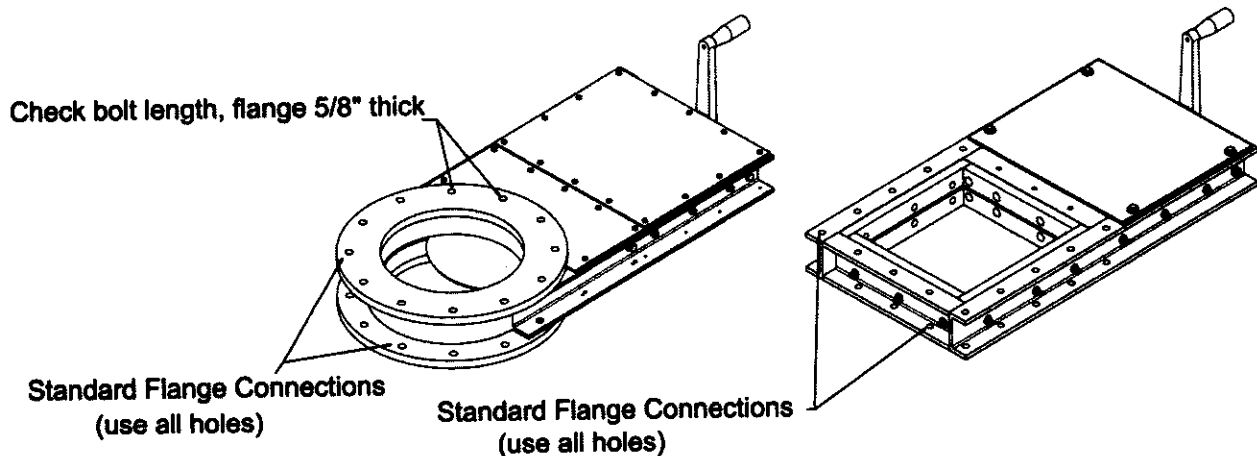
If centre frame holes are through holes, power covers must be removed to allow nut installation.

Lorenz is not responsible for any damage caused by improper lifting during unpacking and installation.

Maintenance Gates Mounting

It is important to ensure that the gate body is properly supported to maintain an accurate alignment of the mechanism for proper operation of the gate.

MAINTENANCE GATES - MOUNTING LOCATIONS



ENVIRONMENT

Series "A" Maintenance Gates are designed for use in most indoor applications. Gates with electric and/or air controls that are subject to wash down conditions should be protected as per local codes. Do not wash down any valve with gate in the closed position as it could affect the performance of the valves and seals. Do not use any harsh or caustic solutions during wash down as they could damage the seals and affect the performance of the valve. Valves equipped with wash down capable components can be washed down with gate in the open position and water temperature should not exceed 82C (180F). Use of gate in environments exceeding the specified temperature rating will damage the seals and void the warranty. **Do not weld or use open flame on or near the valve.** The seals will be damaged and void the warranty.

For outdoor application, gate need to be protected from rain and snow. A protective weather shield is recommended. Moisture & high humidity can damage the gate by causing the seals to swell; a wash down modification is required for any valve in this situation.

Consult factory for further info.

WARRANTY

Any modifications to any valve other than recommended maintenance voids the warranty. Please contact Lorenz if you have any questions regarding maintenance, troubleshooting or before attempting any repairs.

Lorenz warrants to the original buyer only that all products or parts sold by Lorenz shall be free of defects in materials and workmanship for a period of one (1) year from the date of shipment, when used according to Lorenz recommended usages. This warranty is strictly limited to repair or replacement of defective parts, provided those products are returned to Lorenz prepaid. Labour and materials for any downtime/repair/replacement is not covered. This warranty shall be considered void if such products are misused, improperly installed, improperly stored, operated beyond rate limitations, damaged, neglected, altered/changed/repared or modified by anyone other than Lorenz or designate. Lorenz assumes no responsibility for any emissions from our valves.

All special order products or material are not returnable. No liability is assumed for consequential damages or for any labour or other expense incurred by reason of sale or use of our products, singularly or in combination with other products. To the best of our ability products will be delivered at specific times but no liability is assumed for failure to deliver because of delays or defaults occasioned directly or indirectly by fire, flood, act of God, labour trouble or shortage or any cause unavoidable beyond our reasonable contract.

Goods remain the property of the seller until payment is received in full and purchaser acknowledges in full that this is a security agreement and a document to this effect may be registered according to the local and applicable legislation or there shall be a charge for the full purchase price on the goods. All special order products or material are not returnable.

