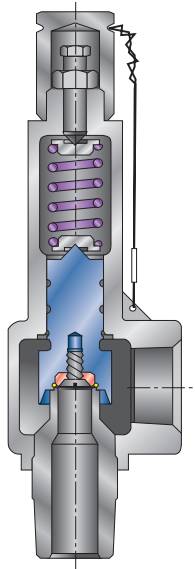




ANDERSON GREENWOOD SERIES 63 SPRING OPERATED PRESSURE RELIEF VALVES INSTALLATION AND MAINTENANCE INSTRUCTIONS

Before installation these instructions must be fully read and understood



1 STORAGE AND HANDLING

Pressure relief valve performance may be adversely affected if the valve is stored for an extended period without proper protection. Rough handling and dirt may damage, deform, or cause misalignment of valve parts and may alter the pressure setting and adversely affect valve performance and seat tightness. It is recommended that the valve be stored in the original shipping container in a warehouse or as a minimum on a dry surface with a protective covering until installation. Inlet and outlet protectors should remain in place until the valve is ready to be installed in the system.

WARNING

The protection and safety of equipment, property and personnel depends on the proper operation of the safety valves described in this manual. All Emerson safety valves should be kept in proper working condition in accordance with the manufacturer's written instructions. Periodic testing and maintenance by the user of this equipment is essential for reliable and safe valve operation.

2 SAFETY PRECAUTIONS

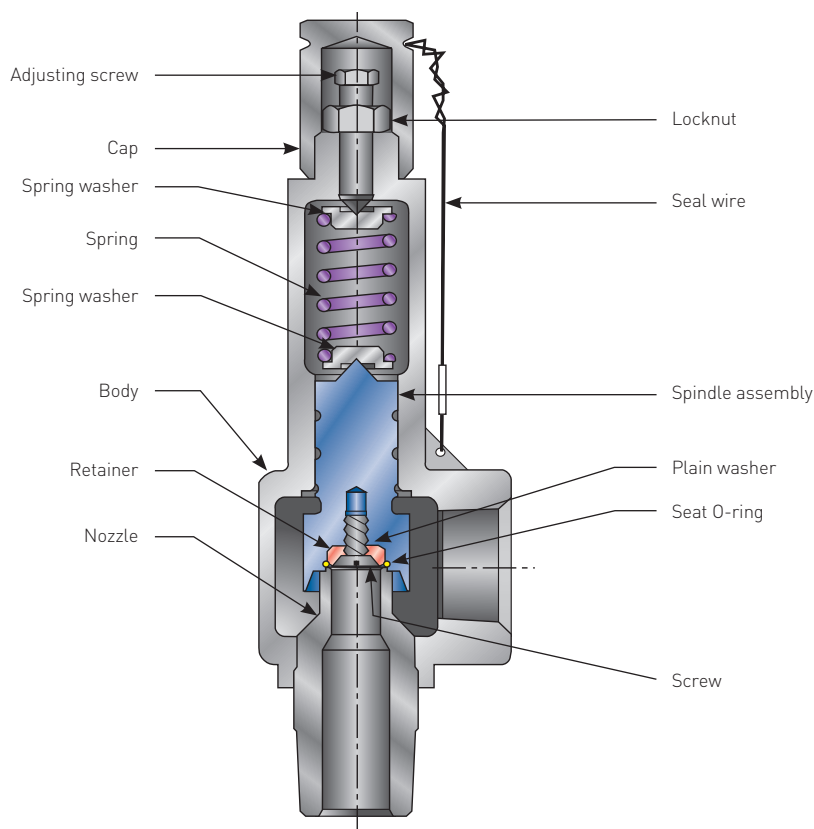
When the safety valve is under pressure never place any part of your body near the outlet of the valve. The valve outlet and any separate drains should be piped or vented to a safe location. Always wear proper safety gear to protect hands, head, eyes, ears, etc. anytime you are near pressurized valves. Never attempt to remove the safety valve from a system that is pressurized. Never make adjustments to or perform maintenance on the safety valve while in service unless the valve is isolated from the system pressure. If not properly isolated from the system pressure, the safety valve may inadvertently open resulting in serious injury. Remove the safety valve prior to performing any pressure testing of the system. The safety of lives and property often depends on the proper operation of the safety valve. The valve must be maintained according to appropriate instructions and must be periodically tested and reconditioned to ensure correct function.

All installation, maintenance, adjustment, repair and testing performed on safety valves should be done by qualified technicians having the necessary skills and training adequate to perform such work. All applicable Codes and Standards, governing regulations and authorities should be adhered to when performing safety valve repair. No repair, assembly, adjustment or testing performed by other than Emerson or its authorized assemblers and representatives shall be covered by the warranty extended by Emerson to its customers. The user should use only original, factory supplied OEM parts in any maintenance or repair activity involving this product.

This Maintenance Manual is provided as a general guide for the repair and maintenance of the safety valves described herein. It is not possible to describe all configurations or variations with such equipment. The user is advised to contact Emerson or its authorized assemblers and representatives for assistance in situations that are not adequately covered or described in this manual. Before removing a safety valve for maintenance, ensure that the system pressure has been fully depressurized. If an isolation block valve is used ensure that any trapped fluid between the block valve and the safety valve is safely vented. Before disassembling the safety valve ensure that the valve has been decontaminated from any harmful gasses or fluids and that it is at a safe temperature range for handling. Fluids can be trapped in the dome space of pilot operated safety valves. Before installation, the Installation and Operational Safety Instructions should be fully read and understood. These Instructions may be requested from the factory or are available at Emerson.com/FinalControl.

ANDERSON GREENWOOD SERIES 63 SPRING OPERATED PRESSURE RELIEF VALVES

INSTALLATION AND MAINTENANCE INSTRUCTIONS



3 MAINTENANCE INSTRUCTIONS

1. Break seal wire and remove cap from valve.
2. Remove all tension from spring by loosening locknut and turning adjusting screw counterclockwise.
3. Turn valve upside down, clamp body of valve in vise and remove nozzle.
4. Turn valve upright and remove spindle assembly.
5. Remove retainer screw, retainer, plain washer and seat.
6. Discard old seat, replace with new O-ring and reassemble spindle assembly. Refer to Table 1 for O-ring part number.
7. Lightly lubricate pressure adjustment screw threads and bolt point, bearing points of spring washers and nozzle threads with Dow Corning Molykote "33" or equivalent. **DO NOT LUBRICATE SEAT OR SPINDLE.**
8. Reassemble valve and adjust set pressure on test stand.

TABLE 1

Type 63B-5			Type 63B-7		
Material	Set pressure (psig)		Material	Set pressure (psig)	
	37-100	101-531		45-100	101-374
NBR	05.1054.134	05.1054.081	NBR	05.1051.014	05.1054.044
FKM	05.1055.012	05.1055.012	FKM	05.1055.014	05.1055.014
EPR	05.1058.185	05.1058.119	EPR	05.1058.122	05.1058.122

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