



The Right Connection®

Installation & Start Up



For detailed operation manual, please scan the QR code

Unpacking:

Carefully unpack all parts of the valve and inspect for damage that may have occurred during shipment. Report any damage to the carrier immediately.

The ports on the valve are protected with a plastic cover. If any covers are missing or damaged, inspect the ports on the valve thoroughly for any damage.

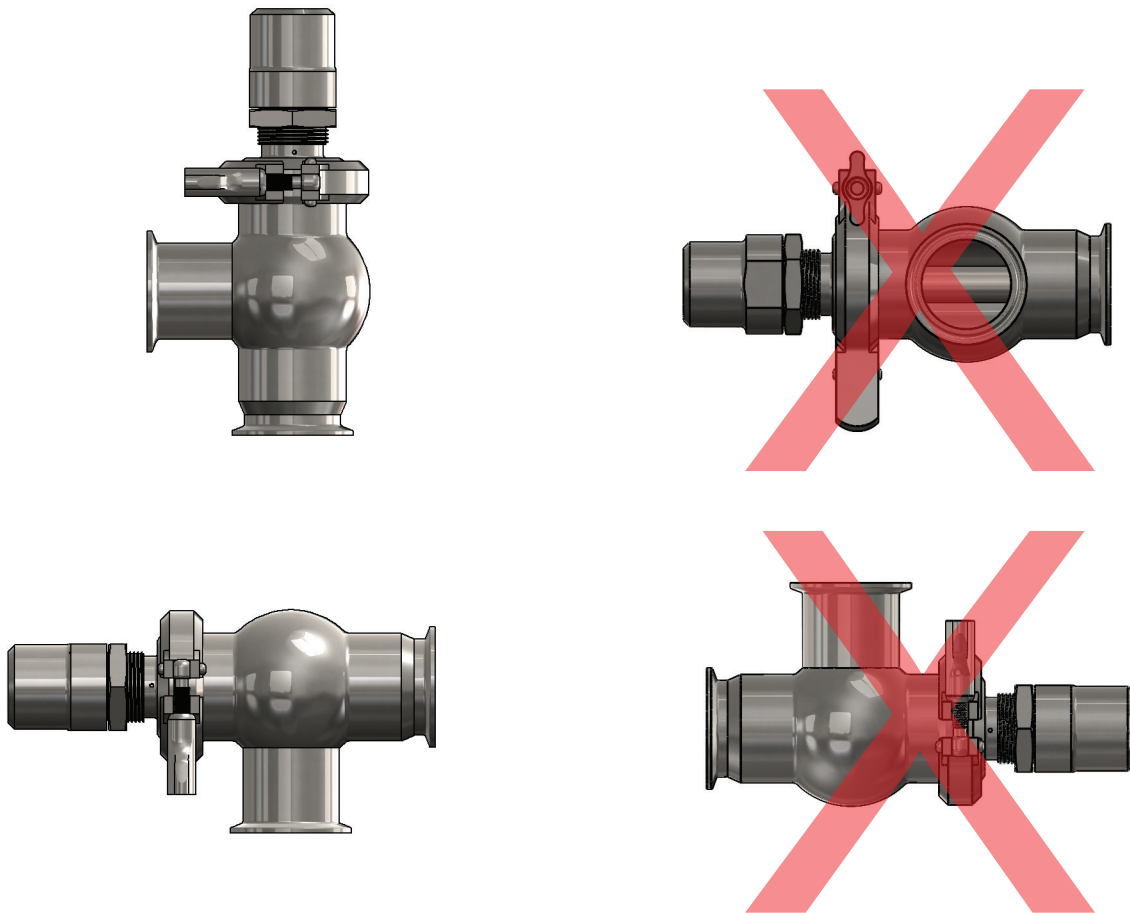
Tools Needed:

The following items will be needed for the installation.

- Adjustable wrench
- Food grade anti-seize

Installation Orientation:

The valve should be installed so that the fluid pressure is acting on the valve stem end. The following diagram should be followed when installing the valve for service. **DANGER:** Improper discharge piping from the valve could lead to serious injury. High pressure and potentially high temperature fluid exits the discharge port when valve opens. Piping should be installed so that the discharged product flows safely to a drain.





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Setting Relief Pressure:

1. Identify which spring set the valve utilizes by referring to the tag located on the adjustable cap. Below is an example of the tag that will be located on the valve. There are three separate spring sets available for the SPR-Series pressure relief valve: Spring Set 1 (10-50 PSI), Spring Set 2 (50-100 PSI), and Spring Set 3 (100-300 PSI).



2. Once the spring set has been identified, refer to the set pressure table below to obtain the values needed to calculate the number of turns required for the desired set pressure.

Spring Set	Maximum Set Pressure (PSI)	PSI / Turn	Turns to Max Set Pressure
1	50	11	4½
2	100	21	4¾
3	300	105	2¾

3. Once the desired set pressure has been determined, divide the set pressure by the PSI/Turn value obtained from the set pressure table. This will yield the number of required turns.
4. Using the numbered marks on the adapter (8) and the mark on the adjustable cap (12) as reference points, turn the adjustable cap (12) the calculated number of turns.
5. Using a pressure gauge on the inlet port of the valve, make any minor adjustments of the cap (12) needed to reach the exact pressure relief point desired.
6. Confirm that the valve functions as desired before installing the valve for service.
7. Tighten the locking nut (9) firmly against the adjustable cap (12) while keeping the adjustable cap stationary to avoid changing the relief pressure set point. Apply food grade anti-seize to the adapter threads if necessary.