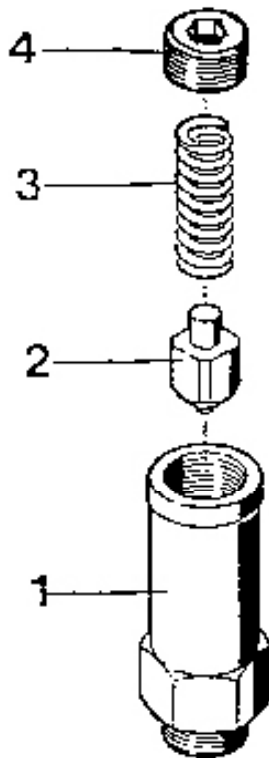


Series

Pop-Off Valves Brass & 316 S.S.

22530 & 22550 - Brass

22530-5100 & 22550-5100 - S.S.



Parts List

| <u>Item</u> | <u>Part#</u> | <u>Description</u> | <u>Quantity</u> |
|-------------|--------------|---------------------------|-----------------|
| 1 | 22557 | Body 1/4" NPT | 1 |
| 1* | 22557-5000* | S.S. Body 1/4" NPT | 1 |
| 1 | 22559 | Body 3/8" NPT | 1 |
| 1* | 22559-5000* | S.S. Body 3/8" NPT | 1 |
| 2 | 22555 | Valve | 1 |
| 3 | 22556 | Spring, Silver (1200 PSI) | 1 |
| 3* | 22556-0100* | Spring, Yellow (1200 PSI) | 1 |
| 3 | 22558 | Spring, Red (2400 PSI) | 1 |
| 3* | 22558-0100* | Spring, Purple (2400 PSI) | 1 |
| 3 | 22563 | Spring, Orange (3600 PSI) | 1 |
| 3* | 22563-0100* | Spring, Black (3600 PSI) | 1 |
| 3 | 22937 | Spring, Blue (5000 PSI) | 1 |
| 3* | 22937-0100* | Spring, Green (5000 PSI) | 1 |
| 4 | 22554 | Adjusting Screw | 1 |

***For Stainless Steel Units Only**

Common Specifications:

| | |
|-----------------------------|------------------------------|
| Maximum Flow: | 10 GPM |
| Minimum Flow: | 1 GPM |
| Maximum Temperature: | 160 °F |
| Inlet Port: | 1/4" (22550 Series) |
| | 3/8" (22530 Series) |
| Outlet Port: | 3/4" Hose Barb |
| Dimensions: | 0.75" X 2.06" |

Pressure Specifications:

| <u>1/4" NPT Inlet</u> | <u>3/8" NPT Inlet</u> | <u>Max. PSI (Bar)</u> | <u>Min. PSI (Bar)</u> |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 22550A | 22530A | 1200 (83) | 500 (35) |
| 22560A | 22531A | 2400 (165) | 1200 (83) |
| 22565A | 22532A | 3600 (250) | 2400 (165) |
| 22568 | 22533A | 5000 (345) | 3600 (250) |



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INSTALLATION INSTRUCTIONS

- 1) Position the pop-off valve on the discharge side of the pumping unit between the pump and the unloader. The 1/4" MNPT or 3/8" MNPT is the inlet. (Mount unit directly onto the pump for best results.)
- 2) Adjust the valve relief pressure setting as follows:
 - a. Start the pump with the shut-off gun open and adjust the system pressure to 600 PSI (minimum) above the normal operating pressure.
 - b. If the valve opens or leaks, stop the pump.
 - c. Use a 1/4 inch allen wrench to turn the adjusting screw clockwise to increase the pressure so that the spring is compressed.
 - d. Repeat steps a-c (above) until the valve does not open or leak at a minimum of 600 PSI above the normal operating pressure.
- 3) Reset the system pressure back to the normal operation.
- 4) A hose may be clamped over the outlet of the valve if desired. The other end of the hose may then be placed in a sewer, float tank, or other suitable drain.

WARNING: Never attempt to stop the valve leakage by overtightening the adjusting screw (item #4) or by any other means that would not allow the valve (item #2) to open and thus relieve excess system pressure. Tampering with the valve could result in a situation that may cause the system damage and/or severe personal injury.

CAUTION: The discharge from an opened pop-off valve must be readily visible by the system operator. In the event that a pop-off valve opens, the system should be immediately shut down and a trouble-shoot procedure performed before restarting the pump. Take care that the pop-off valve is installed pointed down to prevent bodily injury. Valves must be free of foreign material for proper operation.

- 5) Pop-off valves are suitable for protection from malfunctions in pumps, unloaders, regulators, heating coils, shut-off guns, and straight-through guns. For best results, use the pop-off valve in conjunction with an accumulator or pulsation dampener.

CAUTION: Remember that the pop-off valve is designed to be used as a safety relief only. It is not to be used as a primary system unloader.



WARNING: This product might contain a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm.
For more information go to www.P65Warnings.ca.gov