

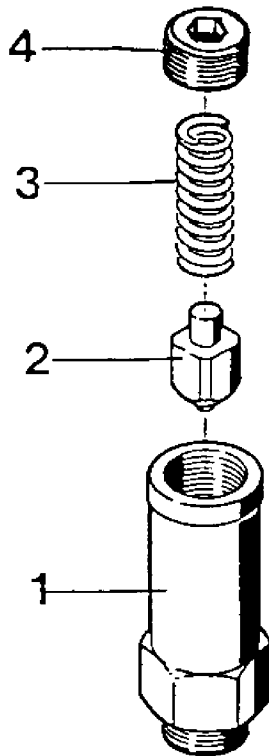
Series

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 93600 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.