

**FEATURES**

- Features all stainless and brass internal parts.
- New design reduces sensitivity to entrapped air.
- No external moving parts or springs.
- Eliminates high pressure in all lines while unit is in bypass mode
- Unique balanced piston design permits precise pressure adjustment.
- Simple design for easy maintenance and service.

**SPECIFICATIONS**

Part Number	ZK70	ZK71	190079 (ZK71 with #0 Bypass Orifice)	ZK72	190009 (ZK72 with #1 Bypass Orifice)	ZK73	190361 (ZK73 with #2 Bypass Orifice)
Max Volume GPM	2.1-2.9	2.9-4.2	3.0 to 4.2	4.2-6.6	4.2 to 6.6	6.6-10.8	6.6 to 10.8
Max Discharge Pressure*	3,500 PSI						
Max Temp	165° F						
Port Size	Inlet:	3/8 BSP-F					
	Bypass:	3/8 BSP-M					
	Outlet:	3/8 BSP-F					
Dimensions	4.5" x 3.75" x 3.5"						
Weight	4.5 lbs.						

\* Maximum pressure 3500 PSI when valve is marked GPV. Unmarked valves are 3000 PSI rated.

**INSTALLATION**

Select an unloader appropriate for the pressure and flow of your system (see specification chart). This unloading valve is a flow-through design and should be mounted on the discharge line of the pump in any position (horizontal or vertical) which allows easy access to the adjusting bolt. A pressure gauge should be installed on either side of the body unloader to accurately read pressure during adjustment.

**Minumum 5% bypass is required for proper operation.**

**General Pump recommends using a safety relief device in conjunction with this unloader valve when installed on a positive displacement pump. General Pump is not liable and assumes no responsibility when used in a customer's high pressure system.**



General Pump  
is a member of  
the Interpump Group



Ref 300110 Rev. F  
06-19



#### PARTS LIST

No.	Part No	Description	QTY.
1.	92236800	Nut	1
2.	99308400	Screw	4
3.	96701400	Washer	8
4.*	90384900	O-Ring	1
5.	36309570	Spring Plate	1
6.	94746600	Spring	1
7.*	36309466	Seat Seal	1
8.*	90505200	Anti-Extrusion Ring	1
9.*	90382000	O-Ring	1
10.*	90358200	O-Ring	1
11.*	36309702	Piston Assembly	1
12.*	94746400	Spring	1
13.*	90276600	Packing	1
14.	96721500	Washer	1
15.*	90256500	Packing	1
16.*	90506300	Anti-Extrusion Ring	1
17.	99312700	Screw	4
18.	99366300	Screw	1
20.	36309041	Upper Body	1
21.	10007870	ZK7.0, Nipple, 3/8 BSP, Ø3.0 mm	1
	10007870	ZK7.1, Nipple, 3/8 BSP, Ø3.0 mm	1
	10016070	ZK7.2, Nipple, 3/8 BSP, Ø3.25 mm	1
	10016170	ZK7.3, Nipple, 3/8 BSP, Ø3.5 mm	1
22.*	90383300	O-Ring	1
23.	10007666	ZK7.0, Nozzle, Ø2.2 mm	1
	10007766	ZK7.1, Nozzle, Ø2.5 mm	1
	10016266	ZK7.2, Nozzle, Ø2.75 mm	1
	10016366	ZK7.3, Nozzle, Ø3.0 mm	1
24.*	90382300	O-Ring	1
25.*	90386300	O-Ring	1
26.	36309141	Central Body	1
27.	98204100	Cap Screw	2
28.*	90358500	O-Ring	2
29.*	90387100	O-Ring	1
30.	36309241	Lower Body	1
31.	96738000	Washer	1
32.	36311770	ZK7.0, 3/8 BSPP	1
	36311670	ZK7.1, 3/8 BSPP	1
	36311870	ZK7.2, 3/8 BSPP	1
	36311970	ZK7.3, 3/8 BSPP	1
*	K70	ZK7 Repair Kit	

