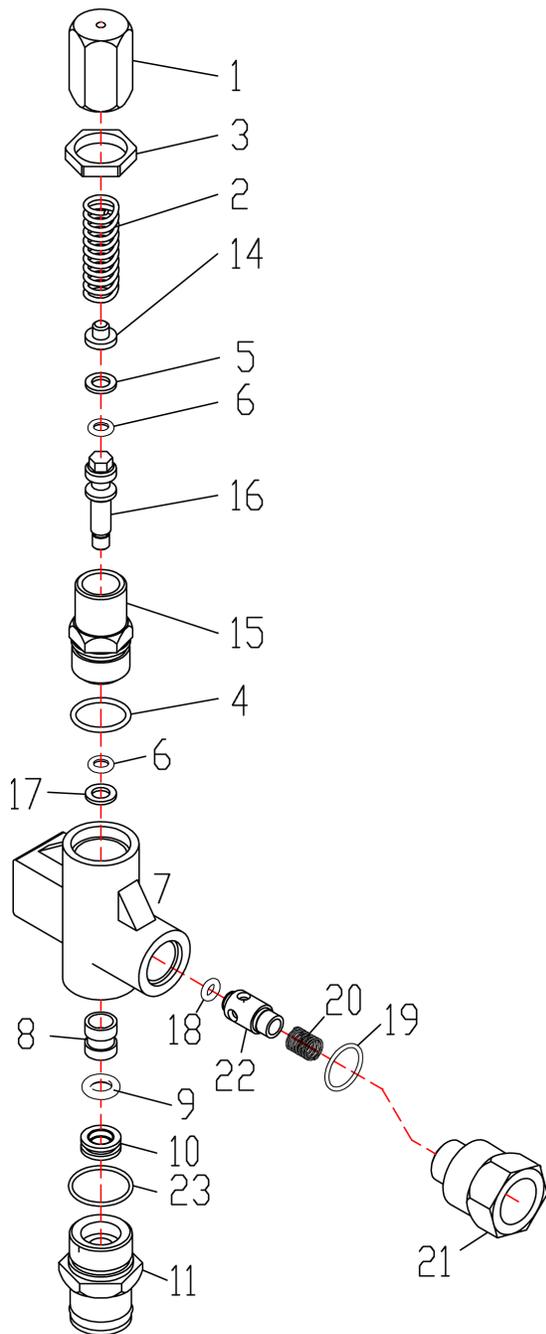


Model 23290-01 Unloader

**Pressure Actuated
Unloader with
bypass connection
with Viton O-Rings**



Specifications

Max Flow: 6.6 GPM..... 25 L/min
 Pressure: 0-4000 PSI..... 0-275 Bar
 Maximum Temp.: 194 °F 90 °C
 Weight: 2.0 lbs. 0.91 Kg
 Inlet Port: 3/8" FNPT
 Discharge Port (w/ injector): 3/8" MNPT
 Discharge Port (w/o injector): 3/8" FNPT
 Bypass:..... 3/8" FNPT

| <u>Item #</u> | <u>Part#</u> | <u>Description</u> | <u>Qty.</u> |
|---------------|--------------|--------------------------|-------------|
| 1 | 05137 | Adjusting Spring Cap | 1 |
| 2 | 08550 | Pressure Spring | 1 |
| 3 | 05134 | Nut | 1 |
| 4 | 07770-0001** | O-Ring | 1 |
| 5 | 08553** | Support Ring | 1 |
| 6 | 07915-0001** | O-Ring, Piston | 2 |
| 7 | 05143 | Unloader Body | 1 |
| 8 | 08691* | Piston | 1 |
| 9 | 22659** | O-Ring | 1 |
| 10 | 08563* | Seat | 1 |
| 11 | 05217 | Bypass Fitting | 1 |
| 14 | 08549 | Spring Retainer | 1 |
| 15 | 08558 | Guide Plug | 1 |
| 16 | 08555 | Piston Rod | 1 |
| 17 | 08559** | Support Ring | 1 |
| 18 | 12326-0001** | O-Ring | 1 |
| 19 | 07913-0001** | O-Ring | 1 |
| 20 | 12328 | Kick Back Valve Spring | 1 |
| 21 | 12340 | Kick back Valve Retainer | 1 |
| 22 | 12325 | Kick Back Valve Cone | 1 |
| 23 | 08564-0001** | O-Ring | 1 |

*09321-0001 Full Repair Kit
(4-6, 8-10, 17-19 & 23)

*09322-0001 Seal Repair Kit
(4-6, 9, 17-19 & 23)

Installation and Operation Instructions

- 1) The valve should be tension-free; therefore, loosen handwheel (3) as far as possible.
- 2) While the gun is open, turn the handwheel (3) in a clockwise motion until desired pressure is reached.

Important! If the nozzle orifice is too small to allow all the fluid to run through the hole after the required operating pressure is reacted, on no account is the valve to be adjusted higher than the maximum operating pressure of the pump.

Disassembly and Reassembly of the 23290-01 Unloader

1. Remove Adjusting Spring Cap (1) and remove Pressure Spring (2) and Spring Retainer (14).
2. Pull Inlet Tube (12) off Bypass Fitting (11) and unscrew Bypass Fitting from Unloader Body (7).
3. Insert a small screwdriver or allen wrench in the bottom of the Bypass Fitting (11) and push the Seat (9) out of the Bypass Fitting. NOTE: Use caution to prevent scratching or nicking the chamfered area of the Seat.
4. Insert a 3/16" allen wrench into the top of the Piston Rod (16) and a 1/2" deep-well socket on to the Piston (8). Remove the Piston from the Piston Rod.
5. Unscrew the Guide Plug (15) from the top of the Unloader Body (7). Push the Piston Rod (16) out of the Guide Plug.
6. Loosen the Kick Back Valve Retainer (21) and remove the Kick Back Valve Cone (22) and Kick Back Valve Spring (20).
7. Inspect all o-rings and mating parts. Replace with parts from the kit.
8. Reassemble in reverse order.

Note: Lightly grease all parts before reinstalling.



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

GIANT

Performance Under Pressure

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