

Models

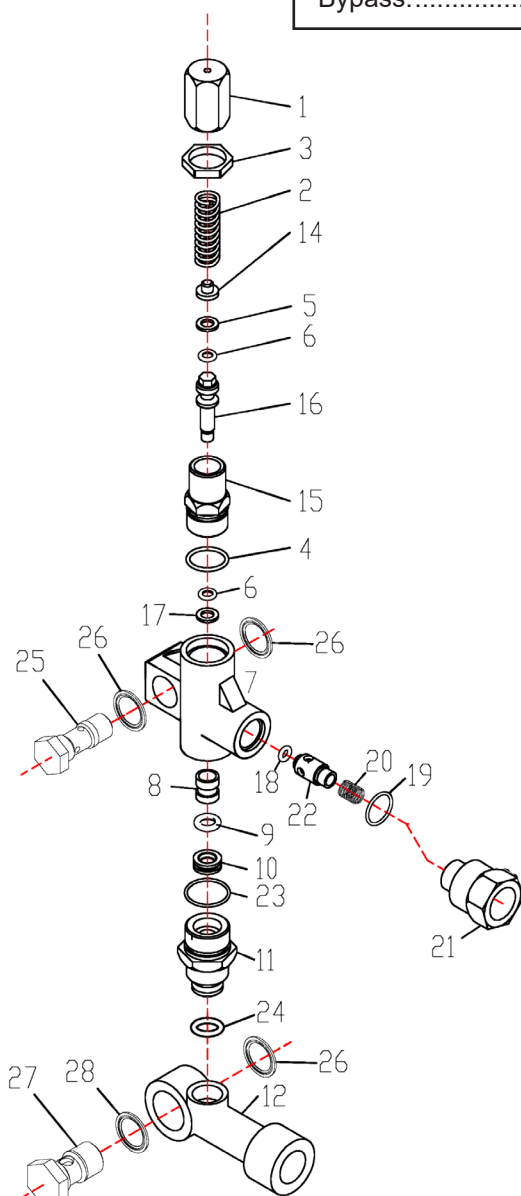
23270-01

23280-01

**Direct Mount Pressure
Actuated Unloader
with bypass connection
and Viton O-Rings**

23270-01/23280-01 SERIES OPERATING CONDITIONS

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: 1/2" FNPT
Discharge Port: 3/8" FNPT
Bypass: Internal



<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	05131	Unloader Body	1
8	08691*	Piston	1
9	22659-0001**	O-Ring	1
10	08563*	Seat	1
11	05138	Bypass Fitting, 23270	1
11	05139	Bypass Fitting, 23280	1
12	05132	Inlet Tube, 23270	1
12	05133	Inlet Tube, 23280	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
24	08566-0001**	O-Ring	1
25	13443	Discharge Banjo Bolt	1
26	08548	Seal Ring	2
27	13447	Inlet Banjo Bolt, 23270	1
27	13442	Inlet Banjo Bolt, 23280	1
28	08541	Seal Ring	2

*09321-0001 Full Repair Kit
(4-6,8-10, 17-19, 23 and 24)

+09322-0001 Seal Repair Kit
(4-6, 9, 17-19, 23 and 24)

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 23270/23280 Series Unloader/Regulator

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(11) from Unloader Body (7).
3. Insert a small screwdriver or allen wrench in the bottom of the Bypass Fitting (11) and push the Seat (10) out of the Bypass Fitting. NOTE: Use caution to prevent scratching or nicking the chamfered area of the Seat.
4. Insert a 9/32" deep-well socket onto 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

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Performance Under Pressure