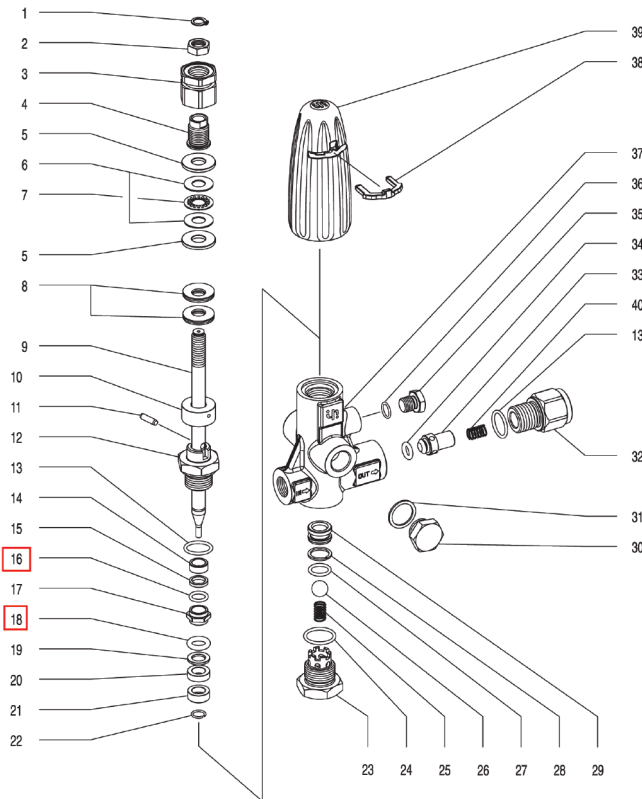




**SPECIFICATIONS**

Part Number	ZK7216SS
Maximum Pressure	7250 PSI
Maximum Flow	16 GPM
Port Sizes:	
Inlet	1/2" BSP-F
Outlet	1/2" BSP-M
Bypass	1/2" BSP-M
Shipping Weight	6.2 lbs

**PARTS LIST**



Item	Part Number	Description	KIT	Qty
1	90054500	Circlip, Ø 10		1
2	92240000	Nut, M12 x 1.25 x 19		1
3	36329564	Pressure Regulator Nut		1
4	36329464	Regulation Screw		1
5	36328466	Plate		2
6	91791100	Spring		2
7	91791000	Piston		1
8	94853000	Spring Plate, Ø 28.12 x 1.5	*	30
9	36327966	Valve Rod		1
10	36328266	Bushing, Spring		1
11	97614900	Pin, Ø 5 x 18		1
12	36328066	Guide Bushing		1
13	90384900	O-ring, Ø 20.63 x 2.62	*	2
14	36329070	Bushing		1
15	90507200	Anti-extrusion Ring	*	1
16	90382700	O-ring, Ø 11.91 x 2.62	*	1
17	36329270	Spacer		1
18	90420000	O-ring, Ø 12.0 x 4.5	*	1
19	90507400	Anti-extrusion Ring	*	1
20	36329170	Plug		1
21	36328666	Seal		1
22	90006800	Ring	*	1
23	36328366	Cap, M27 x 1.5		1
24	90385500	O-ring, Ø 23.47 x 2.62	*	1
25	94737400	Spring, Ø 9.3 x 15.5	*	1
26	97487600	Ball, 9/16"	*	1
27	90383500	O-ring, Ø 15.08 x 2.62	*	1
28	90509400	Anti-extrusion Ring	*	1
29	36328566	Valve Seat	*	1
30	98218000	Plug, G1/2" x 10		1
31	96751400	Washer, Ø 21.5 x 27 x 1.5		1
32	36328766	Nipple, G1/2" F		1
33	36328970	Shutter		1
34	90402800	O-ring, Ø 9.121 x 3.53	*	1
35	98204400	Plug, G1/4" x 13		1
36	90358500	O-ring, Ø 10.82 x 1.78	*	1
37	36327836	Valve Body		1
38	36329651	Yoke		1
39	36329351	Knob		1
40	94740900	Spring, Ø 12.7 x 15	*	1

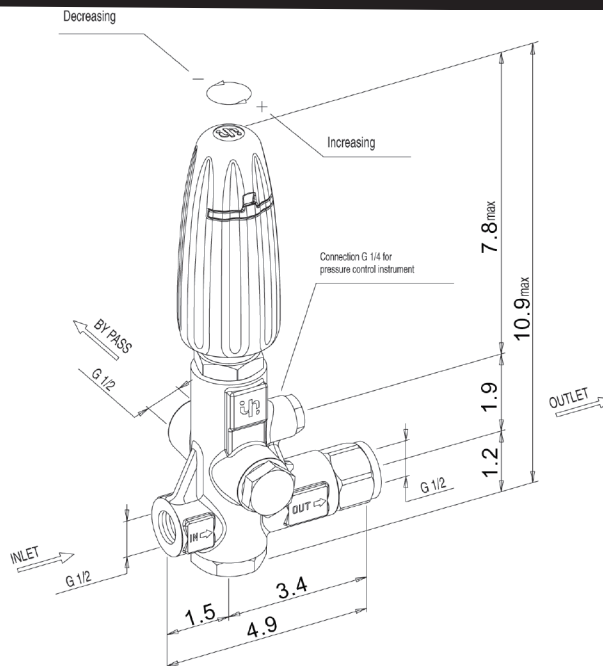
\* K179 Repair Kit

# ZK7216SS

**GENERAL PUMP** *A member of the Interpump Group*

## Trapped Pressure Unloader-Stainless Steel

### DIMENSIONS



### INSTRUCTIONS

In order to obtain a correct pressure adjustment and a long life of the trapped pressure unloader, the bypass keeps releasing 5% of the total flow rate. The positions mentioned in the following instructions refer to those shown on page 1.

1. Remove yoke (#38) with a screwdriver.
2. Take off knob (#39).
3. Unscrew the regulation screw (#4) and the nut (#2), up to the circlip (#1), taking care not to force it.
4. Open the gun, start the system and make sure that all the air is expelled.
5. Open the gun and begin adjusting the pressure by screwing the adjustment ring nut (#3). Alternate the adjusting operations with a few openings and closings of the gun (at least twice), until the desired pressure has been reached. In order to stabilize the various components (seals, springs, etc.), open and close the gun a few times. Check the pressure again and correct if needed.
6. Hold adjustment nut (#3) with a pliers and unscrew nut (#4) up to the end position.
7. Hold the regulating nut (#4) with a pliers and tighten the nut (#2) on it. The required torque is 48 to 50 Nm.
8. Replace knob (#39) and yoke (#38).

In order to obtain working pressure lower than the maximum adjusted pressure, turn knob (#39) counter-clockwise. The minimum adjustable pressure is obtained when the knob has reached its end of stroke. **DO NOT FORCE THE KNOB WHEN IT HAS REACHED THE END OF STROKE.**

### SAFETY AND OPERATING INSTRUCTIONS

1. Installation must be done in compliance with the local regulations in the country where the pressure regulator is installed and used.
2. Use clean water only; in the case of water containing solid particle of a size exceeding 15µm, the internal components of pressure regulator will be subject to quick wear. Furthermore, this might cause situations of danger. Should it be necessary to add detergents to the water, use only natural, non-aggressive, biodegradable products.
3. Installation and pressure adjustment must be made by qualified and authorized staff only, who must be informed of the operating and safety instructions contained in this document.
4. Never exceed the maximum values of pressure and flow rates stated by the manufacturer.
5. The maximum water temperature must not exceed 140°F.
6. Should the pressure regulator be placed in areas at low temperatures, take steps in order to prevent the formation of ice inside the regulator itself. Ice damages the pressure regulator and affects its functioning, causing possible danger.
7. If, during operation, the flow rate at the by-pass is close to zero, this could cause faults and result in danger; long operation with flow in by-pass which exceeds by 20% the nominal flow rate (16 GPM), can cause premature wear to the regulator.
8. In the event that the pressure regulator is installed in a system for hot water generation, it must be placed before the boiler, at such a distance to prevent backflow of steam or very hot water from reaching it.
9. This type of regulator cannot replace the safety valve by any means. If requested by the applicable Regulations, a safety valve must be added to the system.
10. The bypass flow must be dumped at atmospheric pressure using a short hose or pipe, of the same size as the bypass port of the regulator and without obstructions; counterpressures in the by-pass tube could cause failure of the regulator.
11. After working and before performing any operation on the system, release any residual pressure.
12. Maintenance and repair must be carried out by qualified and authorized staff only. Use original spare parts only.
13. In case of disposal, do not discard the material into the environment; instead, take it to an authorized disposal center.

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