DATA SHEET
REGULATING UNLOADER

The Pumps with Nine Lives

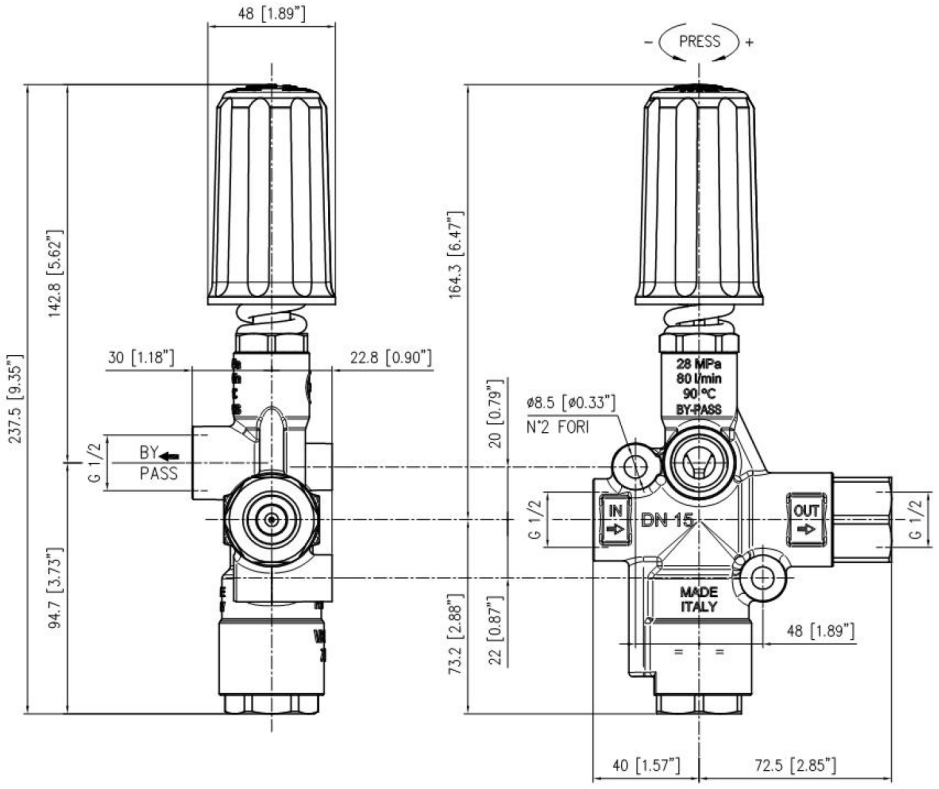
Brass Model: **39896**

also as pressure regulator
39896.100

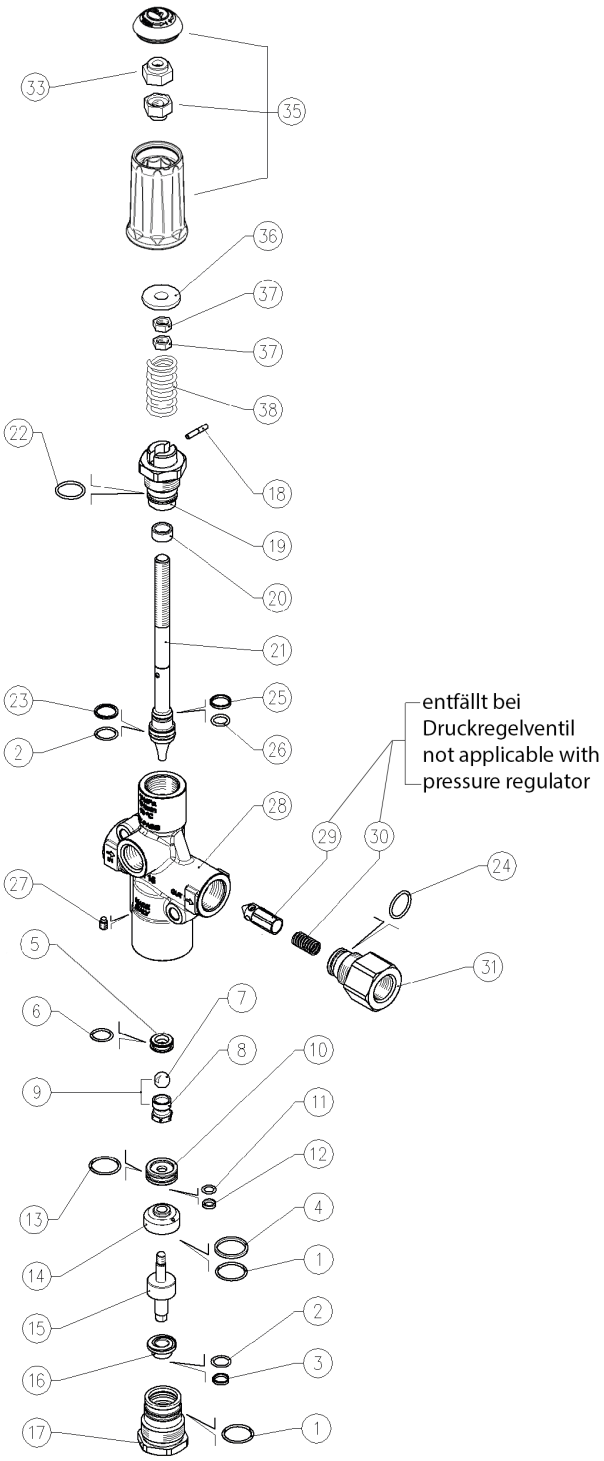


Model 39896 shown

SPECIFICATIONS	U.S. Measure	Metric Measure
Model 39896		
Flow Range	5.3-21 gpm	20-80 lpm
Pressure Range	5.5-28 psi	55-280 bar
Max. Temperature	140°F	60°C
Inlet/Outlet Port	G 1/2" (F)	G 1/2" (F)
By-Pass Port	G 1/2" (F)	G 1/2" (F)
Weight	3.7 lbs.	1.72 kg
Dimensions	4.42 x 2.08 x 9.35"	112.5 x 52.8 x 237.8 mm



EXPLODED VIEW



PARTS LIST

ITEM	DESCRIPTION	QTY.	*
1	O-Ring, 1,78x23,52 mm Ni 85	2	X
2	O-Ring, 1,78x12,42 mm	2	X
3	Back-up ring	1	X
4	Back-up ring, 22x24x2 mm	1	X
5	Sst seat, 10 mm	1	X
6	O-Ring, 1,78x14 mm Ni 85	1	X
9	Shutter pin, M8 +ball, 1/2"	1	X
10	9 mm brass piston ring	1	
11	O-Ring, 1,78x10,82 mm	1	X
12	Back-up ring, 9x11x2 mm	1	X
13	O-Ring, 1,78x18,77 mm Ni 85	1	X
14	9x26,9 mm brass piston ring	1	
15	Sst pin	1	
16	10,7 mm brass piston ring	1	
17	Lower plug, brass	1	
18	Roll pin, 3x14 mm Sst.	1	
19	Piston holder, brass	1	
20	Bushing, 9x13x6 mm plast. black	1	X
21	Sst. valve piston	1	
22	O-Ring, 1,78x17,17 mm Ni 85	1	X
23	Back-up ring, 18 mm	1	X
24	O-Ring, 1,78x21,95 mm Ni 85	1	X
25	Back-up ring, 14,2 mm	1	X
26	O-Ring, 1,78x9,25 mm	1	X
27	Set screw, DIN915 M6x10 mm Sst.	1	
28	Housing, 1/2Bsp F bras.	1	
29	Sst shutter	1	
30	Sst spring, 1,5x12,5x32 mm	1	
31	Shutter coupl., 1/2F Bsp brass	1	
33	Hex. locknut, M8	1	
35	Knob + Plug -PulsarRv	1	
36	Washer, 9,2x24x0,5 mm	1	
37	Hex. nut, M8, brass	2	
38	Spring, 5,7x26x53 mm blue	1	
*	Repair kit	1	

⚠ CAUTIONS AND WARNINGS

All High Pressure Systems require a primary pressure regulating device (i.e. regulator, unloader) and a secondary pressure relief device (i.e. pop-off valve, relief valve). Failure to install such relief devices could result in personal injury or damage to pump or property. Cat Pumps does not assume any liability or responsibility for the operation of a customer's high pressure system.

Read all CAUTIONS and WARNINGS before commencing service or operation of any high pressure system. The CAUTIONS and WARNINGS are included in each service manual and with each Accessory Data sheet. CAUTIONS and WARNINGS can also be viewed online at www.catpumps.de or can be requested directly from CAT PUMPS.