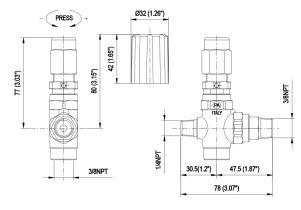
## **FEATURES**

- · Sturdy steel and brass construction
- · Adjustable locknut to control max pressure
- Easy maintenance
- Hexagonal discharge check valve to prevent jamming

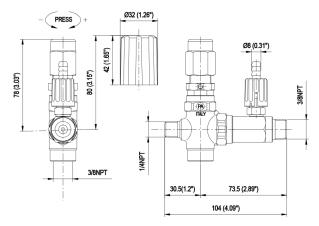
### **SPECIFICATIONS**

Part Number	YVB3KTT	YVB3KTTI18	YVB3KTTI21	YVB3KTTI23
Max Volume	6.5 GPM			
Max Discharge Pressure	3600 PSI			
Max Fluid Temp	195° F			
Inlet Port	1/4" BSP-M			
Discharge Port	3/8" BSP-M			
Bypass Port	3/8" BSP-F			
Weight	1.6 lbs		1.8 lbs	
Dimensions	3.07"x1.26"x4.5"		4.09"x1.26"x4.5"	
Materials	Stainless Steel, Brass, Buna-N, Plastic			

## **DIMENSIONAL DRAWING**



(YVB3KTT)



(YVB3KTTI18, YVB3KTTI21, YVB3KTTI23)





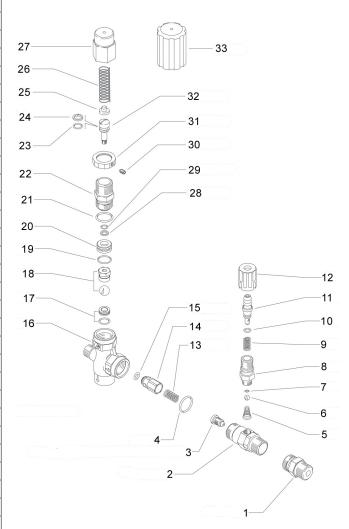


# YVB3KTT

# Compact Pressure Trapping Unloader

# **PARTS LIST**

No.	Part No.	Description	Qty.
1	Y60190431	Fitting, 3/8" NPT	1
2	Y21005331	Injector Housing	1
3	Y21005451	Nozzle, 2.1 mm M6x1	1
4	701016	O-Ring, .614 ID x .070 CS	1
5	Y21016051	Spring, SS	1
6	Y14742001	Ball, 7/32", SS	1
7	701501	O-Ring, .208 ID x .070 CS	1
8	Y21017331	Nipple, M12 x M14	1
9	Y21015851	Spring, SS	1
10	701008V	O-Ring, .176 ID x .070 CS	1
11	Y21015599	Hose Barb, 8 mm	1
12	Y21017184	Knob	1
13	Y60086751	Spring, .5 x 6 mm, SS	1
14	Y60085931	Check Valve	1
15	Y10312500	O-Ring, .157 ID x .098 CS	1
16	Y60191135	Body	1
17	Y60087220	Seat, 7.5 mm, O-Ring	1
18	Y60087121	Rest, M5 Brass, Ball, 11/32" SS	1
19	701014	O-Ring, .614 ID x .070 CS	1
20	Y60086331	Spacer, 2 x 16 x 6 mm	1
21	701016	O-Ring, .614 x .070	1
22	Y60030331	Piston Housing	1
23	701011	O-Ring, .301 ID x .070 CS	1
24	Y10400800	Back-up Ring 11 mm x 8 mm	1
25	Y60031061	Spring Seat	1
26	Y60086261	Pressure Spring	1
27	Y60030431	Сар	1
28	Y10400600	Back-up Ring 8.6 mm x 6 mm	1
29	Y10305101	O-Ring, .239 ID x .070 CS	1
30	Y16210000	Set Srew, M4 x 4	1
31	Y60031931	LocK Nut, M18 x1	1
32	Y60033151	Piston, M5	1
33	660008	Knob	1
*	YKITVB3KTT	Repair Kit	



# GENERAL PUMP A member of the Interpump Group



#### **APPLICATION**

This product is to be used with clean, fresh water. For different or corrosive liquids, contact **GP Companies Inc.** technical support department. Appropriate filtration should be installed when used with liquids containing any solids. Select the proper unloader valve based on the nominal operating rating: system rated pressure, max flow and max temperature. **Under no circumstances should the pressure of the system exceed the maximum rated pressure of any component.** 

#### INSTALLATION

When installed on hot water cleaners, this valve is to be installed **before** the boiler. Installing safety devices which limit the accidental increase of the fluid temperature is required.

**Always** install a safety valve (pop-off) to protect the operator and system.

Choose the correct nozzle size, able to discharge regularly, on bypass, at least 5% of the total flow of the system in order to achieve a constant pressure, and avoid troublesome pressure spikes.

When the nozzle wears, the pressure drops. After installing a new nozzle, re-adjust the system to the original pressure setting.

#### **TROUBLESHOOTING**

PROBLEMS	PROBABLE CAUSES	SOLUTIONS
Unloader cycles	Damaged seat or cone Fitting leaking Restricted bypass	Replace Check and renew Clean or adapt
Unloader does not come up to pressure	Unloader not properly sized Foreign materials between seat and shutter Piston o-ring worn out Nozzle worn out	<ul><li>Select a proper spring or a new unloader</li><li>Clean the seat</li><li>Replace</li><li>Replace</li></ul>
Pressure spikes	Spring totally compressed Excessive flow in bypass There is not a min. 5% of total flow in bypass	Loosen and change nozzle size Select another unloader Adjust size of piping Adjust
Unloader does not bypass at low pressure	Check valve jammed Check valve o-ring worn out Foreign materials on check valve	Clean or replace Replace Clean

