

Pressure Relief Valves & Unloaders



Hydra-Cell Bypass Valves



Designed to handle the same rigorous demands as the *Hydra-Cell* pumps. These valves will bypass total system flow when required and will also balance system pressure for multiple gun operations.

Standard valves feature Brass bodies with Buna-O-rings and stainless valve seats and plunger ball. Rated to 160° F. (200° F. available on special request).

C62B features Viton®/Teflon O-rings and diaphragm and is rated to 200° F.

Part No.	Flow Rate	Pressure Range	Ports
WN C22A	3-10 GPM	500-1000 PSI	3/4" FPT
WN C23A	10-20 GPM	500-1000 PSI	1" FPT
WN C24A	20-40 GPM	500-1000 PSI	1-1/4" FPT
WN C62B	1-14 GPM	500-2500 PSI	3/4" FPT

Note: Valves with other pressure ranges are available on request.



Pressure Actuated Unloaders

High Pressure, Low Cost Pressure Activated Unloaders from *Giant*. Ideal for multiple gun applications. Brass and stainless steel construction. Inlet and outlet ports are 3/8" FPT. (2) 1/4" FPT bypass ports for ease of plumbing. Maximum temperature is 160° F.

— Not for Use with Weep Guns —

Part No.	Max. PSI	Max. Flow
GU 22760A	3000	8 GPM
GU 22765A	4000	5 GPM



Unloader Control Sets for General Pumps

Trapped Pressure Unloader Sets to fit *General* Plunger Pumps. Compact design eliminates the need for bypass hoses. Easily mounts to either side of pump manifold. Trapped pressure design with internal bypass. Built-in chemical injector with metering adjustment. Rated to 3000 PSI and 200° F. Ports are 1/2" Finlet and 3/8" M outlet.



Model ZKW21, ZKW21L	2.9 - 4.5 GPM
Model ZKW21 used on pump models:	TS1371, TT1411, TT1611, TT9351, TT9441, TT9971, All EZ Pumps
Model ZKW21L used on pump models:	T811, TS1011, TS1311, TS 1331, TS1511, TS1711, TS2011, T9131, T9211
Model ZKW22L	4.5 - 6.0 GPM
Model ZKW22L used on pump models:	T821, T921, T1021, T1321, T1621, T9121, T9161, TS821, TS921, TS1321, TS1521, TS1621, TS2021

Part No.	Flow Range
IP ZKW21	3.0 - 4.5 GPM
IP ZKW21L	3.0 - 4.5 GPM
IP ZKW22L	4.5 - 6.0 GPM

Unloader Valve Control Sets

— Pressure Sensitive —

One Piece Pressure Control Sets that include: Unloader Valve, Chemical Injector and Port Connections to fit many types of Plunger Pumps.

Features: Brass Construction • Ports that are 1/2" FPT inlet x 3/8" MPT outlet • Chemical Injectors are adjustable for injection rate • Universal fit for a wide range of pumps.

Part No.	Flow Rate	Max. PSI
AR AR21039	2-3 GPM	2600
AR AR21040	3-4 GPM	2600
AR AR20400	3-5 GPM	3650



Adjust to Fit

Regulating Unloaders

Pressure Sensitive



Cat Pumps® Regulating Unloaders. Pressure sensitive feature permits wide range of flows. Handle allows for easy adjustment of system pressure. For single gun, **non-weep** applications. Optional ports for easy installation. Small compact size. Designed to reduce pressure in the pumping system when trigger guns are used. Takes load off motor or engine when in bypass mode. All ports are 3/8" FPT rated to 180° F. Brass bodies, except No. 7501 which is 316SS.

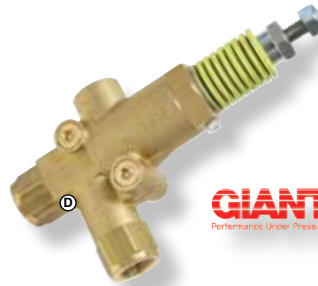


Part No.	Rated PSI	Rated GPM
CC 7693	150 to 1450	2.5 to 8.0
CC 7694	400 to 4000	2.5 to 10.5
CC 7501.100	* 100 to 2000	.5 to 6.0

* 3/8" MPT Ports, 316SS Construction.

Pressure Actuated Unloader Valves

Pressure Actuated Unloader Valves from *Giant Industries*. All valves shown feature brass housings and stainless steel wetted parts. Can be used in single or multiple gun applications. Designed to bypass at near zero pressure and operate up to the maximum pressures and flow rates shown.



Part No.	Max. PSI	Max. GPM	Ports	Spring Color
GU 22911A	1400	13	1/2" FPT	Yellow
GU 22911B	1750	35	3/4" FPT	Yellow
GU 22083	2200	21	1/2" FPT	White
GU 22090	2200	52	1" FPT	-
GU 22912A	2400	13	1/2" FPT	Red
GU 22913A	3000	13	1/2" FPT	Orange
GU 22973B	4000	26	3/4" FPT	Orange
GU 22082	4100	21	1/2" FPT	Blue
GU 22095-5	5200	21	1/2" FPT	Black



High Pressure Unloader Valves

High Pressure, High Flow Unloader Valves. Pressure actuated valves relieve system pressure to zero PSI in bypass mode. 1/2" FPT ports. Nickel-plated brass or stainless steel construction as noted. Rated to 194° F.



VHP60



VHP70
VHP80

Part No.	Max. Flow	Max. PSI	Body
AR VHP70-700	21 GPM	10,150	Nickel Brass
AR VHP80-800	21 GPM	12,800	Nickel Brass
AR VHP51-400	26 GPM	5,800	Nickel Brass
AR VHP51-500	26 GPM	8,000	Nickel Brass
AR VHP60	26 GPM	8,700	Stainless

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