

# High Pressure Relief Valves

## Balanced Pressure Regulators



For accurate, repeatable by-pass regulation wherever absolute reliability in pump output control is necessary. Continually regulates pressure within 5% of setting. Can be set up to both regulate and absorb normal pulsation thus eliminating the need for a pulsation dampener. Can be parallel mounted. Responds in .004 seconds or less. Designed for Weep Systems.

**Materials:** Body and Stem; Steel, Electroless Nickel plated. Piston Cap & Inlet Cap; 416SST hardened stainless steel. Springs; Spring steel. Seals; Viton®. Maximum temperature 250° F.

**NOTE:** Requires 5% minimum by-pass. Not recommended for use with single or two cylinder pumps.



Part No.	Maximum		FPT Ports	
	Capacity	Pressure Range	Inlet	Outlet
UP BR5-1	5 GPM	100 to 1000 PSI	3/8"	1/4"
UP BR5-1.5	5 GPM	500 to 1500 PSI	3/8"	1/4"
UP BR5-2	5 GPM	750 to 2000 PSI	3/8"	1/4"
UP BR10-1	10 GPM	100 to 1000 PSI	1/2"	1/4"
UP BR10-1.5	10 GPM	1000 to 1500 PSI	1/2"	1/4"
UP BR10-2	10 GPM	750 to 2000 PSI	1/2"	1/4"
UP 32005	Washer Spring set for BR5-2 .....			
UP 40027	Repair Kit for BR5 Relief Valves .....			
UP 40028	Repair Kit for BR10 Relief Valves .....			



## Balanced Pressure Regulator

This Pressure Regulator is designed to balance the pressure between spraying and bypass pressure. Ideal for use with "weep" style spray wands used in self-serve car washes. Can also be used with multiple wand applications. This valve can also absorb normal pulsation eliminating the need for pulsation dampeners. Nickel-plated body. Similar to widely used regulators that have been sold for years. Rated to 5 gpm and 2000 PSI. Rated to 200° F. **Made in USA.**

Part No.	Body	Maximum Flow	Maximum PSI
IP 100892	Plated	5 GPM	2000 PSI

## Balanced Regulator Valve

This unique regulator balances pressure between spraying and bypass. Can be used for high flow applications and with multiple wands. Standard component on many high pressure automatic systems. Patent pending greaseable design. Brass construction. Rated to 45 GPM, 2500 PSI and 195° F. 3/4" Inlet by 1/2" bypass. **Made in USA.**

Part No.	Max. Flow	Maximum Pressure
IP CWR4525	45 GPM	2500 PSI



## Balanced Relief Valves

Ideal for Car Washes with Weep Guns



**ST230 Balanced Pressure Relief Valve.** Ideal for use in carwash installations using "weep" trigger guns. Designed to be mounted "off-line."

**Features:** Maximum operating pressure is 3600 PSI • Maximum operating temperature is 200 ° F. • Maximum flow rate is 8 gpm • Inlet and bypass port are 1/4" FPT. • Construction is a brass housing with stainless steel piston and seat.

Part No.	Maximum PSI	Maximum GPM
NP ST230 Balanced Relief Valve	3600	8

## Balanced Relief Valves

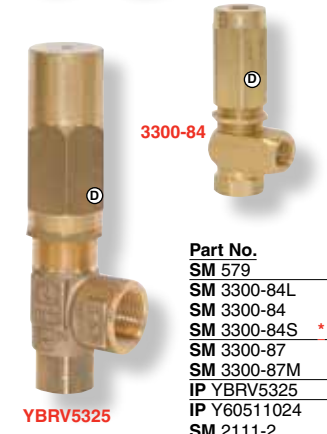
**Balanced Pressure Regulators** are designed so that working pressure and bypass pressure are "balanced" in the system. Ideal for weep style trigger wands because there is no valve cycling and pressure is constant. Can also be used on large flow pumps for pressure regulation and control. Bodies are brass with Buna o-rings.

**No. 579** is a "mini" regulator rated to 4 gpm at pressures from 100-1000 PSI. Designed to be mounted "off-line". Ports are 1/4" MPT inlet x 1/8" FPT bypass. Rated to 180° F.

**No. 3300-84** is designed to mount "off-line" and are rated to 10 gpm at pressures from 200-2000 PSI. Has a 3/8" FPT inlet and bypass. **3300-84M** has 3/8" MPT inlet and 3/8" FPT bypass. Rated to 180° F. (**3300-84S** is stainless steel).

**No. 3300-87 & 87M** are designed to mount "in-line". Rate to 7 gpm at pressures from 200-2000 PSI. **3300-87** has 3/8" FPT on all ports. **3300-87M** is 3/8" MPT inlet x 3/8" FPT outlet and bypass. Rated to 180° F.

**No. YBRV5325** is a high flow unit that is designed to mount "off-line". Rated to 53 gpm at pressures to 2900 PSI. Inlet port is 3/4" FPT. Bypass is 1/2" FPT. Can be used in multiple gun applications.



Part No.	Pressure Range	Maximum Flow
SM 579	100 - 1000 PSI	4-GPM
SM 3300-84L	** 50 - 500 PSI	10 GPM
SM 3300-84	200 - 2000 PSI	10-GPM
SM 3300-84S	* 200 - 2000 PSI	10-GPM
SM 3300-87	200 - 2000 PSI	7-GPM
SM 3300-87M	200 - 2000 PSI	7-GPM
IP YBRV5325	0 - 2900 PSI	53-GPM
IP Y60511024	Repair Kit, YBRV5325 .....	
SM 2111-2	Repair Kit, 3300-84 & 87 .....	

\* Stainless Steel \*\* Low Pressure

## Pressure Regulator Valves

**Adjustable Pressure Regulator Valves** for prep systems, industrial cleaning and carpet cleaning to control pump pressure. Can be used with single or multiple trigger wands. **100998** and **100999** are stainless valves with Viton® seals, rated to 13 GPM and 190° F. **YR5221** is a brass valve rated to 53 GPM, 2200 PSI and 200° F.



YR5221



Part No.	Flow	Rating
IP 100998	13 GPM	250 - 1000 PSI
IP 100999	13 GPM	900 - 2000 PSI
IP YR5221	53 GPM	100 - 2200 PSI

Viton® is a registered trademark of DuPont Performance Elastomers

100998  
100999



## Pressure Regulators

**Pressure Regulator** are designed to control pump output pressure. Can be used for single or multiple wand applications. Off-line mounting. Maintains full pressure in bypass for quick return to system pressure. Viton® seals are rated to 240° F. Nickel-plated steel bodies. 5 GPM models have 3/8" F inlet x 1/2" F bypass. 10 GPM models have 1/2" F inlet x 3/4" F bypass. 25 and 35 GPM models have 3/4" F inlet x 1" F bypass. 100 GPM has 1-1/2" inlet x 2" bypass.

Part No.	Min. Flow	Max. Flow	PSI Range
CC 7001	.5 GPM	5.0 GPM	100-1000
CC 7002	.5 GPM	5.0 GPM	500-2000
CC 7011	1 GPM	10 GPM	100-1000
CC 7012	1 GPM	10 GPM	500-2000
CC 7366	1 GPM	12 GPM	3000-6000
CC 7021	2.5 GPM	25 GPM	100-1000
CC 7022	2.5 GPM	25 GPM	500-2000
CC 7032	3.5 GPM	35 GPM	1000-2000
CC 7410	10 GPM	100 GPM	100-1500

