

## Nylon, Brass & Ni-Resist Diaphragm Pressure Relief Valves

These **Diaphragm Style Pressure Relief Valves** are available with Nylon, Brass or Ni-Resist lower body. Connections are 3/4" NPT with a 1/4" FPT gauge port.

**Features:** Fairprene Diaphragm • 300 PSI Pressure Range • Aluminum Bonnet • Stainless Steel Springs • Positive Adjustment Lock • Extra Large Valve Passages

Pressure (PSI)	10	20	30	40	60	80	100
Flow Rate (GPM)	22	31	38	44	54	62	70

Max. Flow rates through valves at various pressures with valves fully open.

Part No.	Diaphragm By-Pass Valves
SS 8460-3/4	Nylon Valve .....
SS 9840-3/4DI	Ductile Iron Valve .....
SS 9840-3/4	Brass Valve .....
SS RK8460	Fairprene Repair Kit .....
SS 8361-3/4NY	Nylon Repair Body .....



8460-3/4



## Pressure Relief/Regulating Valves

- Piston Type -



- 1/4" Gauge Port
- Pressure to 150 PSI
- Polypropylene with stainless steel spring
- Excellent Chemical Resistance
- EPDM O-Rings

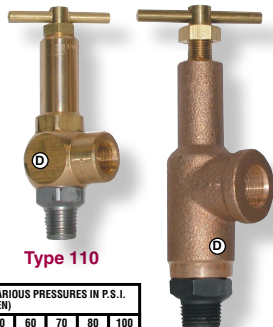
**No. 23120** Bypasses excess liquid. Adjustable to maintain control of line pressure up to 150 PSI. Selected setting firmly held in place by locknut. Extra large valve passages to handle large flows. Available in either 3/4" or 1/2" sizes. Ports are MPT inlet by FPT outlet.

Part No.	
SS 23120PP-1/2	1/2" Pressure Regulator
SS 23120PP-3/4	3/4" Pressure Regulator



## Pressure Relief Valves

Pressure relief valves from **SPRAYING SYSTEMS**. Adjustable design for line pressure control on pumps and systems. Can bypass back to the liquid source or the inlet of the pump. Full flow with minimal pressure loss. Brass bodies with brass or stainless internal parts. 1/4" through 3/4" inlet and outlet and pressures from 300 to 1200 PSI as noted. Buna gaskets, rated to 150° F. **(6815HSS)** valves have hardened stainless seats for higher pressures.)



Type 110

Type 6815



MODEL NO.	MAXIMUM FLOW IN G.P.M. THROUGH VALVE AT VARIOUS PRESSURES IN P.S.I. (WITH VALVES FULL OPEN)											
	10 PSI	15 PSI	20 PSI	25 PSI	30 PSI	35 PSI	40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	100 PSI
AA110-1/4&3/8	5.3	7.5	9.2			11		13		15	17	
6815-1/2&3/4-300	18	25	26	29	32	34	36	40	44	47	50	56
	6815-3/4-700											
6815-1/2&3/4HSS	10	12	14	15	16	17	18	19	20	21	22	23

Part No.	Pressure	Inlet	Bypass
SS AA110-1/4	1000 PSI	1/4"MPT	1/4"FPT
SS AA110-3/8	1000 PSI	3/8"MPT	3/8"FPT
SS 6815-1/2-300	0-300 PSI	1/2"MPT	1/2"FPT
SS 6815-3/4-300	0-300 PSI	3/4"MPT	3/4"FPT
SS 6815-3/4-700	300-700 PSI	3/4"MPT	3/4"FPT
SS 6815-1/2HSS	700-1200 PSI	1/2"MPT	3/4"FPT
SS 6815-3/4HSS	700-1200 PSI	3/4"MPT	3/4"FPT

## Ductile Iron & Aluminum Pressure Relief Valves

Stainless Steel Spring in all models provides sensitive response to pressure fluctuations at all pressure settings.

MAXIMUM FLOW RATES THROUGH No. 110 PRESSURE RELIEF VALVES AT VARIOUS LIQUID PRESSURES (with valve "Full-Open")							
Liquid Pressure in pounds per square inch	10 psi	15 psi	20 psi	25 psi	30 psi	35 psi	40 psi
Maximum Flow Rate in gallons per minute	1" - 1-1/4"	40	49	57	63	69	80
	1-1/2" size	83	101	117	131	144	155

For accurate and dependable control of spraying pressures up to 150 PSI.

Part No.	Ports	Body Material
SS 110I-1	1"	Ductile Iron
SS 110AL-1	1"	Aluminum
SS 110I-1-1/4	1-1/4"	Ductile Iron
SS 110AL-1-1/4	1-1/4"	Aluminum
SS 110B-1-1/4	1-1/4"	Brass
SS 110I-1-1/2	1-1/2"	Ductile Iron
SS 110AL-1-1/2	1-1/2"	Aluminum
SS 110B-1-1/2	1-1/2"	Brass



Floating seat with internal guide vane minimizes chatter. Removable bonnet for servicing unit without removing valve from line.

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## HYPRO® Nylon Pressure Relief Valve



Adjustable from 10 to 250 PSI depending on flow rates. Nylon construction for maximum resistance. Stainless steel springs. Brass stem and lock nuts. Positive seals to prevent any leakage down shaft. Knurled locknuts. 3/4" MPT x FPT.

Part No.	Max. PSI
HY 3300-0016	250

## Polypropylene Preset Pressure Relief Valves

Used on sprayers and other applications to relieve pressure at a preset level (*nonadjustable*). Reinforced polypropylene body. Preset pressure spring (see below). FKM (*Viton®* type) seals. 1" Flanged ports for quick & easy installation.



Part No.	Pressure Relief Valve	Setting
TK MPRV100-100	1" x 1" Relief Valve	100 PSI
TK MPRV100-125	1" x 1" Relief Valve	125 PSI
TK MPRV100-150	1" x 1" Relief Valve	150 PSI



## 1/2" & 3/4" Throttling Valves



**No. 23520 Polypropylene Throttling Valves** can be used in conjunction with the 144 series solenoid valves and regulating flow in systems equipped with centrifugal pumps where sensitive regulation is required; or to control flow in jet agitator return lines. Locknut holds setting. Polypropylene construction for chemical resistance. 1/2" or 3/4" connections. Pressures to 150 PSI. Flow at 40 PSI: 1/2" is 16 GPM and 3/4" is 34 GPM.

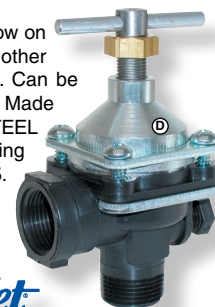
Part No.	
SS 23520PP-1/2	Throttling Valve - 1/2" .....
SS 23520PP-3/4	Throttling Valve - 3/4" .....

## 3/4" Nylon Throttling Valve Capacities to 82 gpm

**No. 12690-3/4"** is generally used for metering flow on systems equipped with centrifugal pumps, or other applications where metering of flow is required. Can be used in controlling flow in jet-agitator return lines. Made of NYLON (*body*), ALUMINUM and STAINLESS STEEL Stem locknut Long Tapered Seat ... Nylon seating surfaces for positive shut-off. Maximum PSI is 125. 3/4" MPT Inlet, 3/4" FPT Outlet.

FLOW RATES IN G.P.M. In Fully Open Setting							
10 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI	
26	37	45	52	64	74	82	

OUTLET 3/4" FPT



INLET 3/4" MPT

Part No.	Throttling Valve
SS 12690-3/4	Nylon - 3/4" FPT x 3/4" MPT