

Features

- Threaded size range: 1/8 NPT to 2 NPT
- Standard Loctite® Vibra-Seal® 516 pre-applied thread sealant
- Wide range of preset relief pressures
- Non-coded valves available with preset relief pressures



PCSR-*



Coded relief valves (low flow)

SR model coded relief valves are designed for **low flow applications** where a compact size is required. A resilient silicone rubber pad ensures the valve is bubble-tight to within 10% of set pressure.

Stamped with “UV” and “NB” symbols.

Set pressure tolerance $\pm 3\%$ of set pressure. All brass construction with 17-7 PH stainless steel spring.

PCST-*



Coded relief valves

ST model coded relief valves are standard for use in small air compressor systems and related applications. **High flow/compact size.** A resilient silicone rubber pad ensures the valve is bubble-tight to within 10% of set pressure.

Stamped with “UV” and “NB” symbols.

Set pressure tolerance $\pm 3\%$ of set pressure.

All brass construction with zinc-plated music wire spring.

PCNP-*



General purpose relief valves

NP model non-code relief valves are designed for applications where compact size is required, and high flow capacities are not needed. A resilient pad ensures the valve is bubble-tight to within 10% of set pressure.

All brass construction with stainless steel spring and silicone rubber seal.

PCVR-*



Vacuum relief (general purpose)

VR model vacuum relief valves are used in systems to maintain a desired vacuum level. Proportional relief valves are not “pop” type safety valves. Easily field adjusted with knurled adjustment screw and locked with jam nut (not pre-set at the factory).

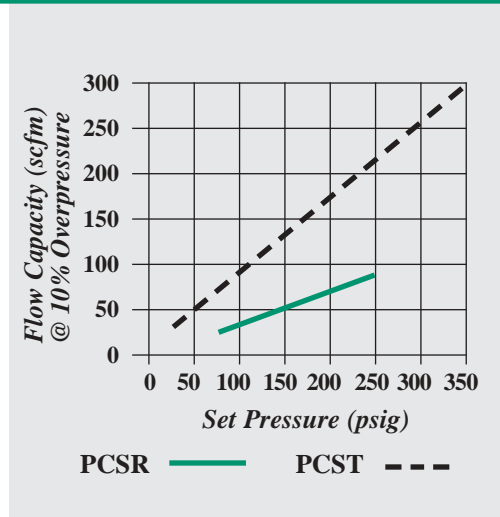
All brass construction, with stainless steel springs. VR25 used stainless steel ball as poppet, while VR38 and VR75 poppets are nylon with nitrile seals.

Specifications

Part Number	OAL	Hex	Connector Thd. (NPT)	Set Pressure (psi)	Max. Temp.
PCSR- 02	1-1/2	9/16	1/8	75-250	+250°F
04	1-19/32	9/16	1/4		
PCST- 02	2	11/16	1/8	25-350	+250°F
04	2	11/16	1/4		
06	2	11/16	3/8		
PCNP- 02	1-1/2	9/16	1/8	25-250	+250°F
04	1-19/32	9/16	1/4		
PCVR- 04	1-45/64	9/16	1/4	0-27 in-Hg	+250°F
06	2-1/64	11/16	3/8		
12	2-2/3	1-1/16	3/4		

Flow Capacity

The graph illustrates the relief valves flow capacity at a preset pressure vs. an input of 10% over preset pressure.



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Relief Valves

Ordering Information

- To order standard product use part number listing.
- All relief valves are sold individually.

Relief Valves: Coded

Part No.	Max. (psi)	NPT (M)	Pkg
PCSR-02-75	75#	1/8	1
PCSR-02-125	125#	1/8	1
PCSR-02-135	135#	1/8	1
PCSR-02-150	150#	1/8	1
PCSR-02-200	200#	1/8	1
PCSR-04-75	75#	1/4	1
PCSR-04-125	125#	1/4	1
PCSR-04-135	135#	1/4	1
PCSR-04-150	150#	1/4	1
PCSR-04-200	200#	1/4	1
PCST-02-25	25#	1/8	1
PCST-02-35	35#	1/8	1
PCST-02-50	50#	1/8	1
PCST-02-65	65#	1/8	1
PCST-02-75	75#	1/8	1
PCST-02-100	100#	1/8	1
PCST-02-125	125#	1/8	1
PCST-02-150	150#	1/8	1
PCST-02-175	175#	1/8	1
PCST-02-200	200#	1/8	1
PCST-04-25	25#	1/4	1
PCST-04-35	35#	1/4	1
PCST-04-50	50#	1/4	1
PCST-04-75	75#	1/4	1
PCST-04-100	100#	1/4	1
PCST-04-125	125#	1/4	1
PCST-04-150	150#	1/4	1
PCST-04-200	200#	1/4	1
PCST-04-250	250#	1/4	1
PCST-06-25	25#	3/8	1
PCST-06-50	50#	3/8	1
PCST-06-75	75#	3/8	1
PCST-06-100	100#	3/8	1
PCST-06-125	125#	3/8	1
PCST-06-150	150#	3/8	1
PCST-06-175	175#	3/8	1
PCST-06-200	200#	3/8	1

Relief Valves: General Purpose

Part No.	Max. (psi)	NPT (M)	Pkg
PCNP-02-25	25#	1/8	1
PCNP-02-50	50#	1/8	1
PCNP-02-75	75#	1/8	1
PCNP-02-100	100#	1/8	1
PCNP-02-125	125#	1/8	1
PCNP-02-150	150#	1/8	1
PCNP-02-175	175#	1/8	1
PCNP-02-200	200#	1/8	1
PCNP-02-225	225#	1/8	1
PCNP-02-250	250#	1/8	1
PCNP-04-25	25#	1/4	1
PCNP-04-50	50#	1/4	1
PCNP-04-65	65#	1/4	1
PCNP-04-75	75#	1/4	1
PCNP-04-100	100#	1/4	1
PCNP-04-125	125#	1/4	1
PCNP-04-150	150#	1/4	1
PCNP-04-175	175#	1/4	1
PCNP-04-200	200#	1/4	1
PCNP-04-225	225#	1/4	1
PCNP-04-250	250#	1/4	1

Relief Valves: Vacuum

Part No.	Max. (psi)	NPT (M)	Pkg
PCVR-04	0 TO -27" HG	1/4	1
PCVR-06	0 TO -27" HG	3/8	1
PCVR-16	0 TO -27" HG	3/4	1

Product Availability

<i>Set Pressure</i>	25	35	50	65	75	100	125	135	150	175	200	225	250	VAC
PCSR- 02					■		■	■	■		■			
04					■		■	■	■		■			
PCST- 02	■	■	■	■	■	■	■		■	■	■			
04	■	■	■		■	■	■		■		■		■	
06	■		■		■	■	■		■	■	■			
PCNP- 02	■		■		■	■	■		■	■	■	■	■	
04	■		■	■	■	■	■		■	■	■	■	■	
PCVR-04														■
06														0-27 in-HG ■
16														■

■ *Indicates available product*

Additional Considerations

- Additional sizes or custom applications
- High temperature valves
- Proportional pressure relief valves
- Non-Coded field adjustable valves
- High flow valves are available in 1/2 NPT

Quick Guide

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