Mini Relieving Regulators

Gauge Sold Separately

- Construction: Zinc Body, Unbalanced Poppet, Solid Control Piston With Lip Seal for Extended Life, Non Rising Adjusting Knob
- Space Saving Design
- 2 - 1/8” NPT Gauge Ports
- Recommended Gauge: PSB15-XXX
- Maximum Supply Pressure: 300 psig (20.7 bar)
- Operating Temperature: 32˚F to 125˚F
- Pressure Range: 2 - 125 psig (D)
- Optional Pressure Ranges: 1 - 60 psig (E)
  1 - 30 psig (F)

Part No.	NPT	SCFM
MCWR03-18	1/8	13
MCWR03-25	1/4	15
SCFM based on Inlet Pressure of 100 psig Secondary Pressure of 90 psig		

Subcompact Relieving Regulators

Gauge Sold Separately

- Construction: Zinc Body, Balanced Valve Design
- Easy to Service and Maintain
- 2 - 1/8” NPT Gauge Ports
- Recommended Gauge: PSB15-XXX
- Maximum Supply Pressure: 300 psig (20.7 bar)
- Operating Temperature: -4˚F to 150˚F
- Pressure Range: 0 - 125 psig (D)
- Optional Pressure Ranges: 0 - 60 psig (E)
  0 - 30 psig (F)

Part No.	NPT	SCFM
MCWR08-18	1/8	29
MCWR08-25	1/4	44
SCFM based on Inlet Pressure of 100 psig Secondary Pressure of 90 psig		

Compact Relieving Regulators

Gauge Sold Separately

- Construction: Zinc Body, Balanced Valve Design, Spring Loaded Diaphragm
- 2 - 1/4” NPT Gauge Ports
- Recommended Gauge: PSB20-XXX
- Maximum Supply Pressure: 300 psig (20.7 bar)
- Operating Temperature: -13˚F to 150˚F
- Pressure Range: 5 - 125 psig (D)
- Optional Pressure Ranges: 10 - 250 psig (A)
  3 - 60 psig (E)

Part No.	NPT	SCFM
MCWR18-25	1/4	82
MCWR18-38	3/8	97
MCWR18-50	1/2	97
SCFM based on Inlet Pressure of 100 psig Secondary Pressure of 90 psig		

Standard Relieving Regulators

Gauge Sold Separately

- Construction: Zinc Body, Balanced Valve Design, Spring Loaded Diaphragm
- 2 - 1/4" NPT Gauge Ports
- Recommended Gauge: PSB20-XXX
- Maximum Supply Pressure: 300 psig (20.7 bar)
- Operating Temperature: -13˚F to 150˚F
- Pressure Range: 5-125 psig (D)
- Optional Pressure Ranges: 10 - 250 psig (A)
  3 - 60 psig (E)

Part No.	NPT	SCFM
MCWR28-38	3/8	162
MCWR28-50	1/2	170
MCWR28-75	3/4	176
SCFM based on Inlet Pressure of 100 psig Secondary Pressure of 90 psig		

Mini Relieving Regulators - Compressed Air Service for Harsh Environments

Gauge Sold Separately

- Construction: Brass Body Handles Most Corrosive Environments, Large Diaphragm to Valve Area Ratio for Precise Regulation
- Space Saving Design
- Panel Mount Nut Standard
- 2 - 1/8" NPT Gauge Ports
- Recommended Gauge: PSB15-XXX
- Maximum Supply Pressure: 300 psig (20.7 bar)
- Operating Temperature: 40˚F to 125˚F
- Pressure Range: 2 - 125 psig (D)
- Optional Pressure Ranges: 1 - 60 psig (E)
  1 - 25 psig (G)

Part No.	NPT	SCFM
MCWRB3-25	1/4	14
SCFM based on Inlet Pressure of 100 psig, Secondary Pressure of 90 psig with a 25% Pressure Drop		

Specialty Regulators - Water or Compressed Air Pressure Relieving Regulators

Gauge Sold Separately

- Designed for Use With Water & Compressed Air Systems
- Light Weight Plastic Body
- Constructed With A Combination of NSF and FDA Approved Materials
- Unbalanced Poppet Standard
- Non Rising Push to Lock Adjusting Knob
- Diaphragm Operated
- 2 – 1/8"NPT Gauge Ports
- Recommended Gauge: PSB15-XXX
- Maximum Supply Pressure: 150 psig (10.3 bar)
- Operating Temperature : 40˚F to 125˚F
- Pressure Range: 0 - 125 psig (D)

Part No.	NPT	Service	Style	SCFM
MCWR24-25DNR	1/4	Water	Non Relieving	13
MCWR25-25	1/4	Air	Relieving	13
SCFM based on Inlet Pressure of 100 Psig Secondary Pressure of 75 psig				

Gauge Sold Separately

Large Relieving Regulators

- Construction: Zinc Body, Heavy Duty T-Handle
- High Flow Performance Featuring Rugged Design for the Most Demanding Applications
- Diaphragm Operated Design With Balanced Poppet for Quick and Accurate Regulation
- Ideal for Those Installations Calling for Constant Pressure With Wide Variation in Flow
- 2 - 1/4" NPT Gauge Ports
- Recommended Gauge: PSB20-XXX
- Maximum Supply Pressure: 300 psig (20.7 bar)
- Operating Temperature: 40˚F to 125˚F
- Pressure Range: 0 - 250 psig (A)
- Optional Pressure Range: 2 - 125 psig (D)

Part No.	NPT	SCFM
MCTR119-75	3/4	300
MCTR119-100	1	400
MCTR119-125	1-1/4	500
MCTR119-150	1-1/2	500
SCFM based on Inlet Pressure of 100 psig Secondary Pressure of 75 psig		

Gauge Sold Separately

Large Relieving Regulators

- Construction: Zinc Body, Balanced Valve Design
- Piston Operated
- 2 - 1/4" Gauge Ports
- Recommended Gauge: PSB20-XXX
- Maximum Supply Pressure: 300 psig (20.7 bar)
- Operating Temperature: 32˚F to 150˚F
- Pressure Range: 10 - 180 psig (B)
- Optional Pressure Range: 10 - 125 psig (D)

Part No.	NPT	SCFM
MCWR30-75	3/4	481
MCWR30-100	1	500
MCWR30-125	1-1/4	800
SCFM based on Inlet Pressure of 100 psig Secondary Pressure of 80 psig		

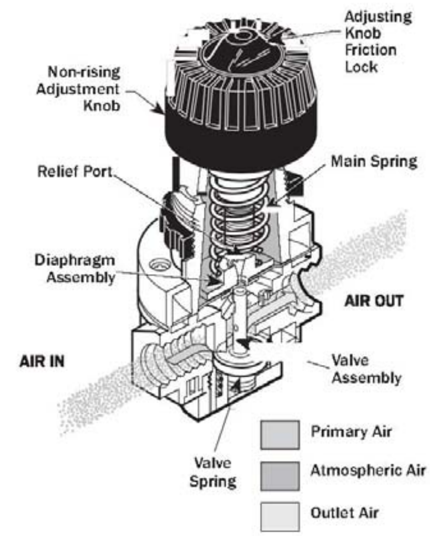
Gauge Sold Separately

Jumbo High Flow Capacity Relieving Regulators

- Construction: Zinc Body, Balanced Valve Design
- Piston Operated
- 2 - 1/4" NPT Gauge Ports
- Recommended Gauge: PSB20-XXX
- Maximum Supply Pressure: 300 psig (20.7 bar)
- Operating Temperature: 32˚F to 150˚F
- Pressure Range: 10 - 180 psig (B)
- Optional Pressure Range: 10 - 125 psig (D)

Part No.	NPT	SCFM
MCWR40-150	1-1/2	1200
MCWR40-200	2	1200
SCFM based on Inlet Pressure of 100 psig Secondary Pressure of 85 psig		

Relieving Regulators



General Purpose Regulators are Used to Provide a Convenient and Low Cost Method to Reduce Supplied Air Pressure to a Desired Outlet Pressure and Transform a Fluctuating Air Supply to a Relatively Constant Reduced Air Pressure Within the Operating Range of the Regulator.

Operation is Simplified by Turning the Adjusting Knob Clockwise Forcing the Main Spring Downward Onto the Flexible Diaphragm Which Presses Down Onto the Valve Stem. The Diaphragm and Valve Stem Move Downward Forcing the Balanced Valve Off its Seat, Which Allows Air to Flow Past the Valve to the Outlet Side of the Regulator and Downstream to the Air System. A Precisely Positioned Aspirator Tube Communicates Secondary Pressure to the Diaphragm Resulting in Instant Compensation in Order to Maintain the Desired Secondary Set Pressure.

The Diaphragm, Valve Stem and Valve Move Upward, Compressing the Regulating Main Spring. Upward Movement Stops When the Spring Force Acting on the Diaphragm Balances the Pressure Force Acting Below the Diaphragm. For Best Performance, Regulated Pressure Should Always Be Set by Increasing the Pressure Up to the Desired Setting.

For Best Performance Select a Spring Range So That the Desired Secondary Set Pressure Falls in the Middle of the Spring Range. For Example, If the Desired Secondary Set Pressure is 30 psi Select a Regulator With a Spring Range of 0-60 psi.

The Regulators are Tamper Resistant by Pushing Down on the Knob and Clicking the Knob Into Place. For Added Protection the Knob May Be Easily Completely Removed After the Desired Regulated Pressure Has Been Selected.