



# HIGH CAPACITY REGULATORS

REPUTATION BUILT ON  
QUALITY, DEPENDABILITY, SERVICE.





## MODEL ULR-1



The Model ULR-1 (Un-Loading Regulator) is a pressure reducing regulator that uses the inlet pressure upstream of the body as a loading source to load the dome of the regulator. A back pressure regulator or "un-loader" is also piped to the top of the dome and is "set" to control the outlet of the pressure reducing regulator. When the downstream pressure of the main regulator exceeds the set point, the un-loader opens and allows the loading pressure to exhaust from the dome into the atmosphere. Typical applications should be limited to environmentally safe gases.

- Body sizes:**  
1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"
- Materials:**  
**Body:** DI, BRZ, CS, SST  
**Loading Dome:** DI, BRZ, CS, SST  
**Trim:** 17-4PH SST, 316L SST, Monel  
**Seat:** PolyAll, V-TFE, GF-TFE, NBR, BC  
**Diaphragm:** BC, EPR, FKM, FK, NBR
- End Connections:**  
NPT, 125#-250#, 150#-600# Integral Flanged, DIN Flange
- Temperature:**  
-50 to 400° F
- Design Pressure:**  
475 psig
- Outlet Pressure:**  
2.0-360 psig
- Unloader:**  
1/4" Size, Bronze or SST body with SST Trim and Seat



## MODEL SLR-1



The Model SLR-1 is a pressure reducing regulator that includes a 1/4" size, self-relieving pilot to regulate the set point pressure downstream of the main body. Inlet pressure upstream of the main body is connected to the inlet of the pilot. The set point of the pilot reduces and controls the supply pressure into the dome to maintain the desired downstream pressure.

To shutdown the system or reduce the outlet pressure of the main body, the built in self-relieving feature in the pilot will dump the loading pressure to atmosphere as the adjusting screw is rotated counter-clockwise. The SLR-1 should only be installed in environmentally safe gas applications.

- Body sizes:**  
1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"
- Materials:**  
**Body:** DI, BRZ, CS, SST  
**Loading Dome:** DI, BRZ, CS, SST  
**Trim:** 17-4PH SST, 316L SST, Monel  
**Seat:** PolyAll, V-TFE, GF-TFE, NBR, BC  
**Diaphragm:** BC, EPR, FKM, FK, NBR
- End Connections:**  
NPT, 125#-250#, 150#-600# Integral Flanged, DIN Flange
- Temperature range:**  
-50 to 400° F
- Design Pressure:**  
750 psig
- Outlet Pressure:**  
0.5-750 psig
- Pilot:**  
1/4" Size, Aluminum, Bronze or SST construction Self-Relieving

- Body sizes:**  
1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"

- Materials:**  
**Body:** BRZ, SST  
**Loading Dome:** BRZ, SST  
**Trim:** 17-4PH SST, 316L SST, Monel  
**Seat:** PolyAll, V-TFE, GF-TFE  
**Diaphragm:** EPR, FKM, FK

- End Connections:**  
NPT, 150#-600# Integral Flanged, DIN Flange

- Temperature:**  
-50 to 400° F

- Design Pressure:**  
475 psig

- Outlet Pressure:**  
2.0-360 psig

- Unloader:**  
1/4" Size, Bronze or SST body with SST Trim and Seat

- Temperature Probe:** Brass or SST construction with Invar plunger  
Temperature Set Points from -50 to +50 F.



## MODEL PTR-1

The Model PTR-1 (Pressure Temperature Regulator) is a pressure reducing regulator and functions much like the ULR-1. In addition to the un-loader, a low temperature probe (pneumatic controller) with an integral, rigid insertion bulb is installed up-stream of the PTR-1. When the exposed outer sheath senses a change in the process temperature below the minimum set point, it vents the loading pressure from the main valve and allows it to close.

- Body Sizes:**  
1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"

- Materials:**  
**Body:** DI, BRZ, CS, SST  
**Loading Dome:** DI, BRZ, CS, SST  
**Trim:** 17-4PH SST, 316L SST, Monel  
**Seat:** PolyAll, V-TFE, GF-TFE, NBR, BC  
**Diaphragm:** BC, EPR, FKM, FK, NBR

- End Connections:**  
NPT, 125#-250#, 150#-600# Integral Flanged, DIN Flange

- Temperature:**  
-50 to 300° F

- Design Pressure:**  
3600 psig

- Outlet Pressure:**  
50-1350 psig

- Pilot:**  
1/4" Size, SST construction, Non-Relieving



## MODEL SLR-2



The Model SLR-2 is a non-relieving pressure reducing regulator. The pressure in the dome will constantly bleed out through a filter and check valve which is piped back into the outlet of the main body of the regulator. This feature allows the SLR-2 to be installed not only in atmospheric industrial gas applications, but also natural gas, and corrosive and non-corrosive chemical gas applications.

- Body Sizes:**  
1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 4"

- Material:**  
**Body:** DI, BRZ, CS, SST  
**Loading Dome:** DI, BRZ, CS, SST  
**Trim:** 17-4PH SST, 316L SST, Monel  
**Seat:** PolyAll, V-TFE, GF-TFE, NBR, BC  
**Diaphragm:** BC, EPR, FKM, FK, NBR

- End Connections:**  
NPT, 125#-250#, 150#-600# Integral Flanged, DIN Flange

- Temperature:**  
-50 to 400° F

- Design Pressure:**  
475 psig

- Outlet Pressure:**  
2.0-360 psig

- Unloader:**  
1/4" Size, Bronze or SST body with SST Trim and Seat



## MODEL ALR-1

The Model ALR-1 is a pressure reducing regulator that uses an auxiliary supply source. The supply media must be environmentally safe because the un-loader opens and allows the loading pressure to exhaust from the dome into the atmosphere.



## MODEL PGR-1

True to Cashco's commitment to quality, the PGR-1 meets and exceeds our high standards for quality, dependability and service. This new product defines what Cashco, Inc., stands for and has built their reputation on.

Available in five different body sizes — with more to come — the PGR-1 has the highest capacity in the industry. This means you can often use a smaller body size than if you were using a competitive regulator in the same application.



**Body sizes:**  
1", 1 1/2", 2", 3" and 4"

**Maximum Cv:**

1" – 13.5	1 1/2" – 27	2" – 54
3" – 108	4" – 198	

**Materials:**

Body:	DI, CS, SST
Cover Dome:	DI, CS, SST
Pilot Body:	DI, LCC, SST
Spring Chamber:	DI, LCC, SST
Metallic Trim:	Plug, Cage, Piston: 316L SST
Seat:	BC, NBR, V-TFE
Diaphragm:	Elastomeric – BC, NBR, EPDM

**End connections:**  
NPT, RF or FF flanges

**Temperature range:**  
-70° to +250°F, depending upon body/cover, dome/diaphragm material combinations

**Inlet Pressure:**  
Operating: 5–250 psig

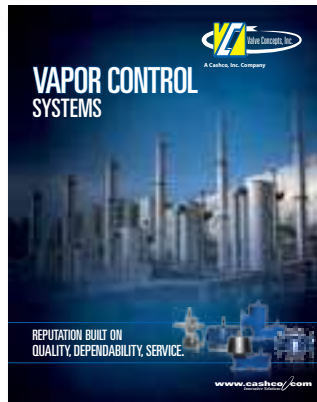
**Outlet Pressure:**  
2.0" WC – 200 psig

**Options:**  
Coalescing filter, rainproof bug vents, welded flange connections, NACE construction, special cleaning, pressure taps, epoxy paint.

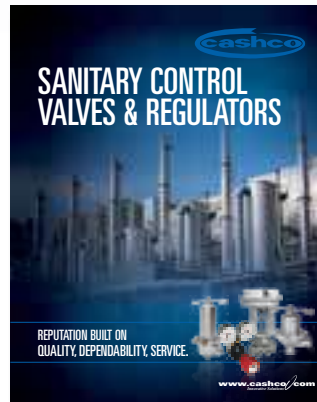
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