
Models 461-S, 461-8S and 461-12S Regulators

R-1330
Rev. 6



 **Equimeter**
INCORPORATED

An Invensys Company



The Equimeter Models 461-S, 461-8S and 461-12S are balanced valve, spring type regulators designed for distribution and industrial applications where a single seat regulator is too small and the usual 2" balanced valve regulators are too large. They are made in 2" pipe sizes only and are used for:

Inlet Pressures to 175 psi
Outlet Pressures of 0 to 10 psi

Contoured body passages for reducing turbulence and large exit areas give them a broad capacity capability thus making them applicable to a wide variety of load handling requirements.

Their outstanding control characteristics are illustrated by the curves on Page 5. Capacities are given on Page 6.

The 461-S and 461-12S are unusually dependable regulators. Their design is simple, the construction is sturdy. Servicing and adjustment are easy, response is fast. The overall operation is stable and sensitive, and they provide exceptionally precise regulation.

The 461-S, 461-8S and 461-12S are excellent regulators for general usage. They also make an excellent choice for such special applications as snap action on-off loads and monitoring service.

Maximum Inlet Pressure	Diaphragm Size I.D.	Diaphragm Case Material	Maximum Inlet Pressure*
	12"	Cast Iron	100 psi
	8 1/2"	Cast Iron	175 psi
	12"	Aluminum	100 psi
	8"	Aluminum	175 psi

*The regulator should not be used for pressures exceeding the recommended maximum inlet.

Maximum Pressure Differential and Maximum Inlet Pressure for Various Soft-Seated Valve Materials*	Valve Material	Maximum Pressure Differential	Maximum Inlet Pressure
	Buna-N (black, 50 to 55 duro)	250 psi	575 psig
	Polyurethane (red, 65 to 75 duro)	400 psi	720 psig
	Polyurethane (tan, 85 to 95 duro)	600 psi	1200 psig

*The differential and inlet pressures given are only to be used as general guidelines. In all cases, pressures must always remain within the ranges specified in Equimeter literature. For any given regulator, do not exceed the specified maximum pressures.

The maximum temperature for the above materials is 150°F.

Viton valve material has a maximum temperature rating of 300°F and a maximum pressure differential of 250 psi.

Body Pressure Ratings	Regular Body Type	Maximum Working Pressure of Body*
	Screwed End	250 psi
	Flanged ANSI 125 lb. FF	175 psi
	Flanged ANSI 250 lb. RF	575 psi
	Flanged ANSI 300 lb. RF	720 psi

*This only applies to the body. The regulator should not be used for inlet pressures that exceed the maximums specified in the Maximum Inlet Pressure table above.

Spring Ranges

	Outlet Pressure		Nominal Diaphragm Size (I.D.) and Case Material	Color of Spring†
	Minimum	Maximum		
*2" w.c.	10" w.c.	12" Cast Iron	Aluminum	
4" w.c.	16" w.c.	12" Cast Iron	Green	
7" w.c.	29" w.c.	12" Cast Iron	Yellow	
.5 psi	1.75 psi	12" Cast Iron	Gray	
1 psi	3.5 psi	12" Cast Iron	Blue	
3.5" w.c.	6.5" w.c.	12" Aluminum	Red	
5" w.c.	8.5" w.c.	12" Aluminum	Blue	
6" w.c.	14" w.c.	12" Aluminum	Green	
12" w.c.	28" w.c.	12" Aluminum	Orange	
1 psi	2 psi	12" Aluminum	Black	
1.5 psi	3 psi	12" Aluminum	Cadmium	
3 psi	6 psi	8 $\frac{1}{2}$ " Cast Iron	Blue	
5 psi	10 psi	8 $\frac{1}{2}$ " Cast Iron	Red	
1 psi	2 psi	8" Aluminum	Orange	
2 psi	4.25 psi	8" Aluminum	Black	
3 psi	6.5 psi	8" Aluminum	Cadmium	
6 psi	10 psi	8" Aluminum	Cadmium (outer) White (inner)	

For outlet pressures above 3 psi refer also to:

Model 461-57S—a direct operated spring regulator for 100 psi maximum outlet (Bulletin R 1331).

Model 1100—a pilot operated regulator for 150 psi maximum outlet (Bulletin R 1341).

* For pressures below 2" w.c. install regulator in inverted position.

† Springs are colored for identification. When shipped, the regulator is equipped with lightest spring suitable for the maximum outlet pressure specified on order. If outlet conditions change, replace spring according to table for best operation.

Temperature Limits

The 461-S, 461-8S and 461-12S regulators may be used for flowing gas temperatures from -20°F to 150°F.

Buried Service

The 461-S, 461-8S and 461-12S regulators are *not* recommended for buried service.

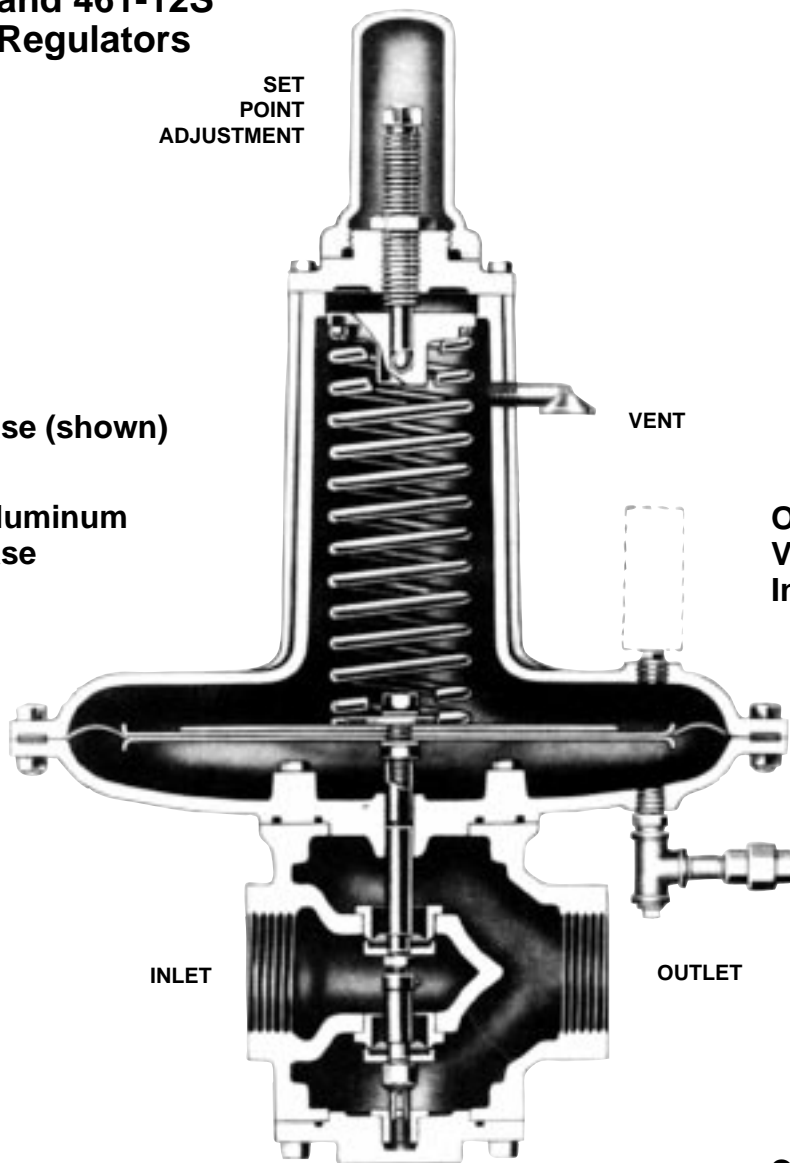
**461-S, 461-8S and 461-12S
Gas Pressure Regulators**

**Heavy Duty
Cast Iron
Diaphragm Case (shown)**

(Sizes 8½" and 12" I.D.)
or

**Lightweight Aluminum
Diaphragm Case**

(Sizes 8" and 12" I.D.)



**Optional
Valve Travel
Indicator**

**Control
Line
Connection**

(Differs on Aluminum case 461-8S and 461-12S. See bulletin RM-1330.)

**Balanced Valve
Full Size and
Reduced Sizes**

(See Pages 9 and 10)

**Cast Iron,
Ductile Iron or
Cast Steel Body**

(See Pages 10 and 11)

Construction Features

Regulator self-contained—no exposed parts—top moisture sealed—safe for pits by extending vent line.

Flow contoured body—large gas exit area reduces turbulence, increased capacity.

Side inspection plates—O-ring sealed—for visual valve inspection or adjustment.

Balanced valve—permits higher inlet pressures—eliminates variation effect—gives greater capacity.

Soft seat valves—tight lock-up at zero flow. Molded discs can't blow out. Adjustable valve spacing. Renewable orifices—two interchangeable sizes.

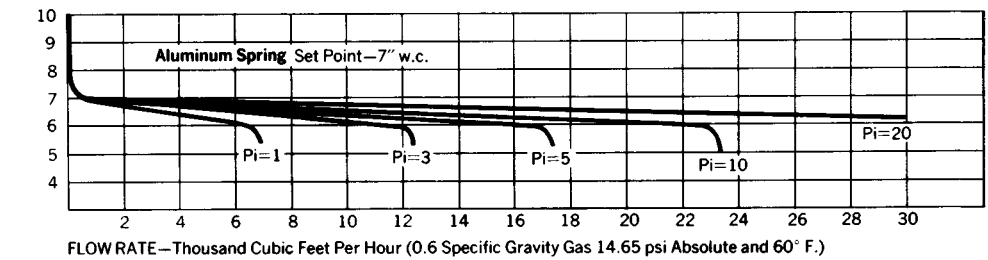
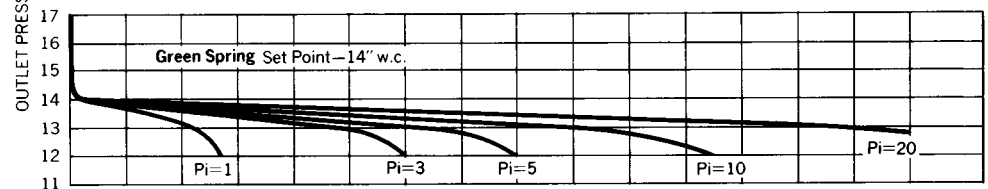
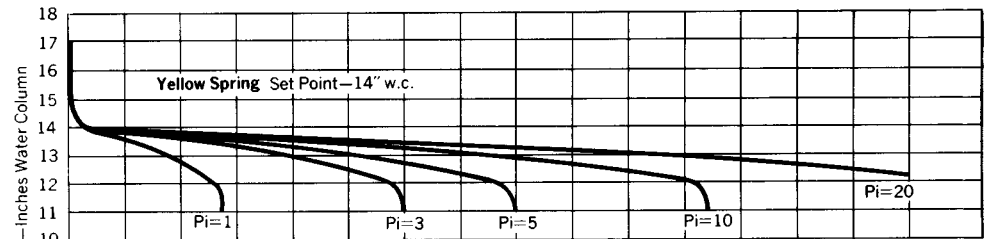
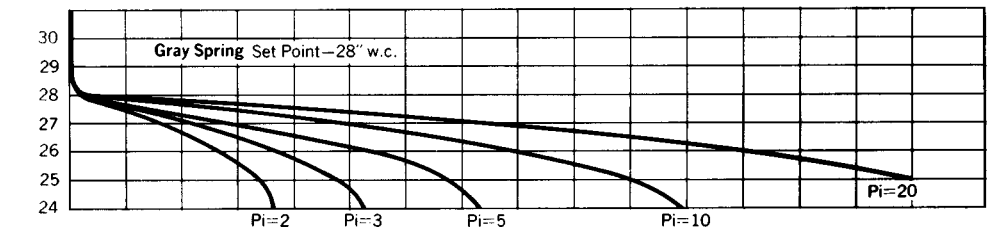
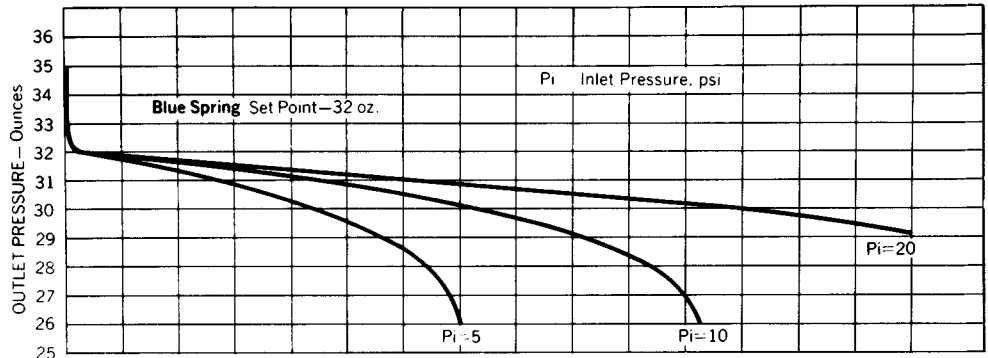
Springs color coded—self-aligning adjustment—easily changed through gasketed top opening.

Typical Performance Curves

Performance

These performance curves are typical for the Model 461-S.

The outlet pressure for each chart was set under the stated conditions and was not further adjusted during changes in inlet pressure or flow. Settings in general were made at an inlet of 5 psi. From set point to lock-up at zero flow requires a pressure increase of not more than 3" w.c.



FLOW RATE—Thousand Cubic Feet Per Hour (0.6 Specific Gravity Gas 14.65 psi Absolute and 60° F.)



Capacity in 1000 SCFH of Natural Gas (0.6 Specific Gravity–14.65 psia–60°F)

Inlet Pressure psi	Outlet Pressure psi	Double Seat Balanced		Single Seat Balanced*	
		1" Valve	1 1/16" Valve	1" Valve	1 1/16" Valve
1/4	4" w.c.	2.5	1.25	—	—
	4" w.c.	4.5	2.27	—	—
1/2	7" w.c.	3.8	1.9	—	—
	4" w.c.	7.0	3.5	—	—
1	7" w.c.	6.6	3.3	—	—
	1/2 psi	5.4	2.73	—	—
	4" w.c.	10.4	5.2	—	—
2	7" w.c.	10.0	5.0	—	—
	1/2 psi	9.4	4.7	—	—
	1 psi	7.8	3.9	—	—
3	4" w.c.	12.8	6.4	—	—
	7" w.c.	12.6	6.3	—	—
	1/2 psi	12.2	6.1	—	—
	1 psi	11.0	5.5	7.1	3.5
	2 psi	8.0	4.0	5.2	2.6
4	4" w.c.	15.0	7.5	—	—
	7" w.c.	14.8	7.4	—	—
	1/2 psi	14.4	7.2	—	—
	1 psi	13.6	6.8	8.8	4.4
	2 psi	11.4	5.7	7.4	3.7
5	3 psi	8.4	4.2	5.4	2.7
	4" w.c.	16.8	8.4	—	—
	7" w.c.	16.6	8.3	—	—
	1/2 psi	16.4	8.2	—	—
	1 psi	15.6	7.8	10.1	5.0
	2 psi	14.0	7.0	9.1	4.5
6	3 psi	11.8	5.9	7.6	3.8
	4 psi	8.6	4.3	5.6	2.8
	7" w.c.	18.2	9.1	—	—
	1/2 psi	18.0	9.0	—	—
	1 psi	17.6	8.8	11.4	5.7
	2 psi	16.2	8.1	10.5	5.2
8	3 psi	14.4	7.2	9.3	4.3
	4 psi	12.2	6.1	7.9	3.9
	5 psi	8.8	4.4	5.7	2.8
	7" w.c.	21.2	10.6	—	—
	1/2 psi	21.0	10.5	—	—
	1 psi	20.8	10.4	13.5	6.7
10	2 psi	19.8	9.9	12.8	6.4
	3 psi	18.6	9.3	12.1	6.0
	4 psi	17.2	8.6	11.1	5.6
	5 psi	15.2	7.6	9.8	4.9
	6 psi	12.8	6.4	8.3	4.1
	7" w.c.	23.8	11.9	—	—
10	1/2 psi	23.6	11.8	—	—
	1 psi	23.4	11.7	15.2	7.6
	2 psi	23.0	11.5	14.9	7.4
	3 psi	22.2	11.1	14.4	7.2
	4 psi	21.0	10.5	13.6	6.8
	6 psi	18.0	9.0	11.7	5.8
8 psi	13.4	6.7	8.7	4.3	

Inlet Pressure psi	Outlet Pressure psi	Double Seat Balanced		Single Seat Balanced*	
		1" Valve	1 1/16" Valve	1" Valve	1 1/16" Valve
12	7" w.c.	26.2	13.1	—	—
	1/2 psi	26.0	13.0	—	—
	1 psi	25.8	12.9	16.7	8.3
	2 psi	25.6	12.8	16.6	8.3
	3 psi	25.2	12.6	16.3	8.2
	4 psi	24.4	12.2	15.8	7.9
	6 psi	22.2	11.1	14.4	7.2
	8 psi	19.0	9.5	12.3	6.1
	10 psi	14.0	7.0	9.1	4.5
	15	1 psi & less	29.4	14.7	19.1
2 psi		29.2	14.6	18.9	9.4
3 psi		29.0	14.5	18.8	9.4
4 psi		28.6	14.3	18.6	9.3
6 psi		27.2	13.6	17.6	8.8
8 psi		25.0	12.5	16.2	8.1
20	10 psi	22.2	11.1	14.4	7.2
	3 psi & less	34.6	17.3	22.5	11.2
	6 psi	34.0	17.0	22.1	11.0
	8 psi	32.8	16.4	21.3	10.6
25	10 psi	31.4	15.7	20.4	10.2
	6 psi & less	39.6	19.8	25.7	12.8
	8 psi	39.2	19.6	25.4	12.7
30	10 psi	38.4	19.2	24.9	12.4
	40	44.4	22.2	28.8	14.4
	50	54.4	27.2	35.3	17.6
	60	64.4	32.2	41.8	20.9
	80	74.4	37.2	48.3	24.1
	100	94.2	47.1	61.2	30.6
	125	114	57.2	74.3	37.1
150	139	69.6	90.4	45.2	
	164	82.0	106	53.3	
	175	189	94.8	123	61.6
"K" Factors Standard Valves		2000	1000	1300	650
"K" Factors For V-Port Valves, multiply table by:		.750	N/A	.750	N/A

The single seat balanced valve should not be used for outlet pressures below 1 psi.

Size each regulator on the basis of the minimum expected inlet pressure and the maximum required outlet pressure.

If greater capacity is required, refer to Model 441-S (Bulletin R-1350).

Expanded Outlet Line

These flow rates represent the amount of gas the regulator can actually pass at the given pressure reduction. This amount often exceeds the amount a 2" outlet line can take away, and the flow is restricted to the line capacity.

To take advantage of the regulator's capacity, make certain the outlet line has equal capacity, and increase the line size at the regulator's outlet as necessary, to secure adequate capacity.

Note: The above performance data is based on normal testing at 70°F flowing temperature. Changes in performance can occur at extreme low flowing temperatures.

Relief Valves and Back Pressure Valves

For those applications which require a higher degree of accuracy and sensitivity than is possible with standard poppet type reliefs, use the Model 461-SR.

Essentially, it is a regulator arranged to provide inlet pressure control.

When operating as a relief valve it limits inlet pressure to a set maximum. At pressures below this, it remains closed. If the pressure should attempt to exceed this, it opens and bleeds off the excess.

As a back pressure valve, it prevents gas from exiting from a system until the system pressure reaches the set point. At set point it begins to open and then regulates the discharge so as to hold the system at set point.

Relief Pressure Range

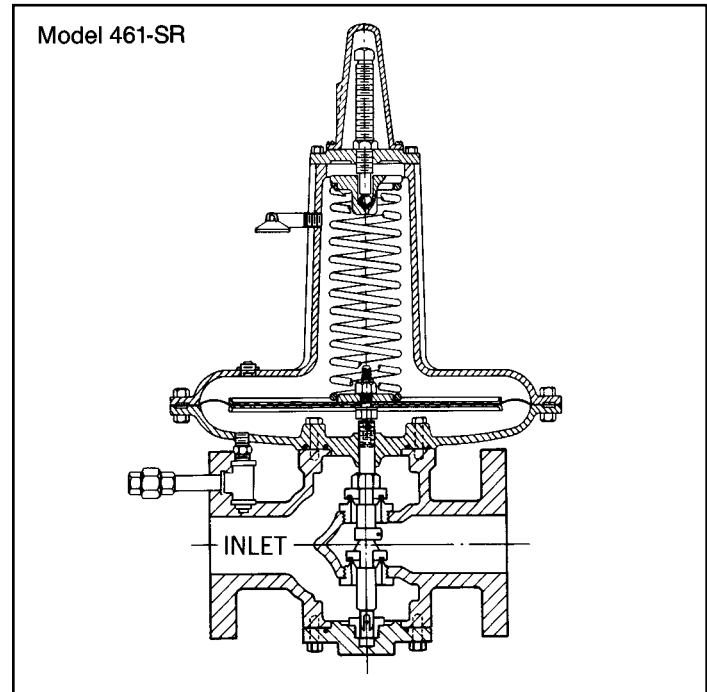
3" w.c. to 10 psi (for range of each spring and diaphragm combination, see table, Page 3.)

Installation

1. Install in line as shown with pressure connected to side marked INLET.
2. For gas, pipe outlet to safe discharge point.
3. Connect inlet line to 1/4" union.
4. By turning adjustment screw, set valve to open at desired pressure. Turning clockwise increases opening pressure.

The 461-SR is the same as the 461-S except that the inner valve is reversed, the body is turned around, and the control line is arranged for connection to the inlet side (upstream).

The Model 461-SR offers these advantages: (1) accurate setting and control at low relieving pressure because of large, sensitive diaphragm; (2) tight shutoff without leakage due to soft-seat valve construction; (3) large relieving capacity due to large size double valves.



Overpressurization Protection

Protect the downstream piping system and the regulator's low pressure chambers against overpressurization (due to possible regulator malfunction or failure) to achieve complete

lockup. The allowable outlet pressure is the lowest of the maximum pressures permitted by federal codes, state codes, Equimeter Bulletin RDS-1498, or other applicable standards.

The method of protection can be a relief valve, monitor regulator, shutoff device, or similar mechanism.

Maximum Emergency Pressures

For complete Maximum Emergency Pressure information for Model 461 regulators, refer to Equimeter Bulletin RDS-1498, Regulator Pressure Ratings. If the maximum outlet pressure is exceeded, the regulator must be

removed from service and carefully inspected. Damaged or otherwise unsatisfactory parts must be replaced before returning the regulator to service.

Periodic Inspection: Regulators are pressure control devices with numerous moving parts subject to wear that are dependent upon particular operating conditions. To assure continuous satisfactory operation, a periodic inspection schedule must be adhered to with the frequency of inspection determined by the severity of service and applicable laws and regulations. **See Bulletin RM-1330 for field service instructions.**



Materials of Construction

Diaphragm Housing, Spring Cage (461-S)	Cast Iron (ASTM A126-71 Class B)
Diaphragm Housing, Spring Case (461-8S, 461-12S)	Aluminum
Diaphragm Plates	Steel
Diaphragm	Buna-N with Nylon Fabric Reinforcement
Valve Stems	Brass or Stainless Steel
Removable Seats (Orifice)	Brass or Stainless Steel
Soft Seat Valve Material	Buna-N or Polyurethane pressure molded in holder
Holder for Molded Valve	Steel
Valve Retainer	Brass or Stainless Steel
Bodies	See table, on Pages 11 and 12

Monitoring

The 461-S, 461-8S, or 461-12S make an excellent monitor; a standby regulator installed in series which assumes control if a failure in the operating regulator permits the outlet pressure to exceed the set point.

The fast rate of response enables it to take over quickly where necessary, and its outstanding performance means that it will provide excellent standby regulation.

It can be located in either the upstream or the downstream position.

When a 461 is used to monitor a regulator with an identical inner valve (another 461, a Model 1100, etc.) the **total maximum capacity** through both can be figured at 70% of the capacity of one of them alone. This applies with the monitor located either upstream or downstream.

Capacities at Other Pressures

Capacity for pressures not listed in the table on Page 6 can be calculated with the following formulae:

$$1. Q = K \sqrt{P_0 (P_1 - P_0)}$$

$$2. Q = \frac{K P_1}{2}$$

Q = maximum capacity of the regulator (in SCFH of 0.6 specific gravity natural gas).

K = the "K" factor, the regulator constant (from bottom of table, Page 5).

P₁ = **absolute** inlet pressure (psia).

P₀ = **absolute** outlet pressure (psia).

Use formula 1. when $\frac{P_1}{P_0}$ is less than 1.894.

Use formula 2. when $\frac{P_1}{P_0}$ is greater than 1.894.

Metrication

Use the following for metric conversions:

std. meters ³ /hr. x 35.31 = std. ft. ³ /hr. (SCFH) std. ft. ³ /hr. (SCFH) x 0.0283 = std. meters ³ /hr.
kilograms/centimeters ² (kg/cm ²) x 14.22 = psig psig x 0.0703 = kilograms/centimeters ² (kg/cm ²)
kilopascals (kPa) x 0.145 = psig psi x 6.90 = kilopascals (kPa)
bars x 14.50 = psig psig x .069 = bars
millimeters water (mm H ₂ O) x .0394 = in. w.c. in. w.c. x 25.4 = millimeters water (mm H ₂ O)
millimeters mercury (mm Hg) x 0.535 = in. w.c. in. w.c. x 1.868 = millimeters mercury (mm Hg)

Other Gases

461-S, 461-8S and 461-12S regulators are mainly used on natural gas. However, they perform equally well on LP gas, nitrogen, dry CO₂, air and others.

For use with gases not listed, please contact your Equimeter representative or industrial distributor for recommendations.

OTHER GASES	CORRECTION FACTOR
Air (Specific Gravity 1.0)	0.77
Propane (Specific Gravity 1.53)	0.63
1350 BTU Propane-Air Mix (1.20)	0.71
Nitrogen (Specific Gravity 0.97)	0.79
Dry Carbon Dioxide (Specific Gravity 1.52)	0.63
For other noncorrosive gases: CORRECTION FACTOR =	$\sqrt{\frac{0.60}{\text{Specific gravity of the gas}}}$

How to Order

- 2" Model 461-S, 461-12S or 461-8S.
- Body Type (see table, on Pages 11 and 12).
- Outlet Pressure and Spring (see table, Page 3).
- Inlet Pressure (also, minimum and maximum inlet pressures, if available).
- Capacity required (SCFH).
- Type of Gas (natural gas, propane, etc.).
- Trim (brass or stainless steel).
- Valve size (1" or 1¹/₁₆").
- Double seat or single seat (see Pages 9 and 10)—if not specified, double seat will be furnished.

To Order Parts, Specify:

- Pipe size and model number of regulator.
- Serial number of regulator (if available) or other identifying information.
- Part number and name of part.
- Quantity.
- For orifices and valve parts—specify size of valve (1" or 1¹/₁₆" and trim (brass or stainless steel).
- For diaphragm, diaphragm plates, or upper or lower covers—specify material and size (12" Al., 8" Al., 12" Cl., or 8¹/₂" Cl).
- For springs—specify color and part number.

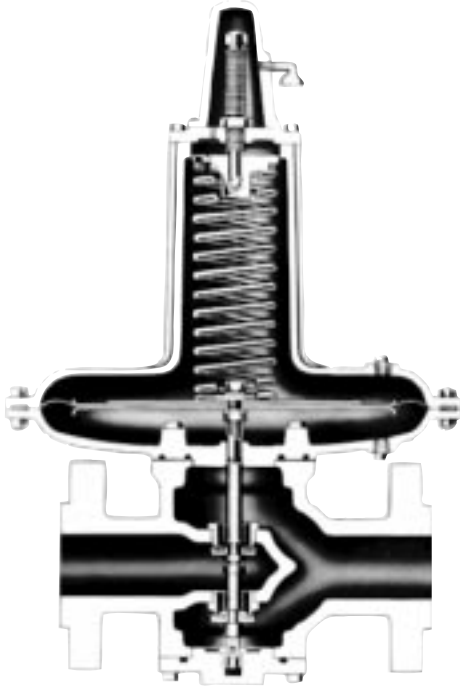
Part numbers and names can be found in Bulletin RM-1330.

Model 461 Balanced Valves

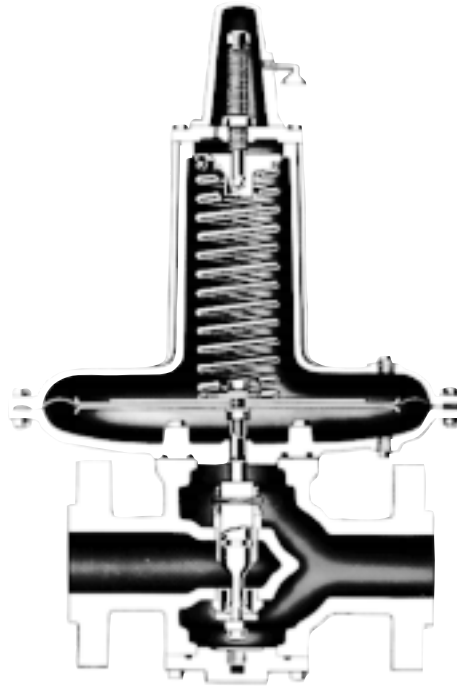


Fully Interchangeable Valve Assemblies

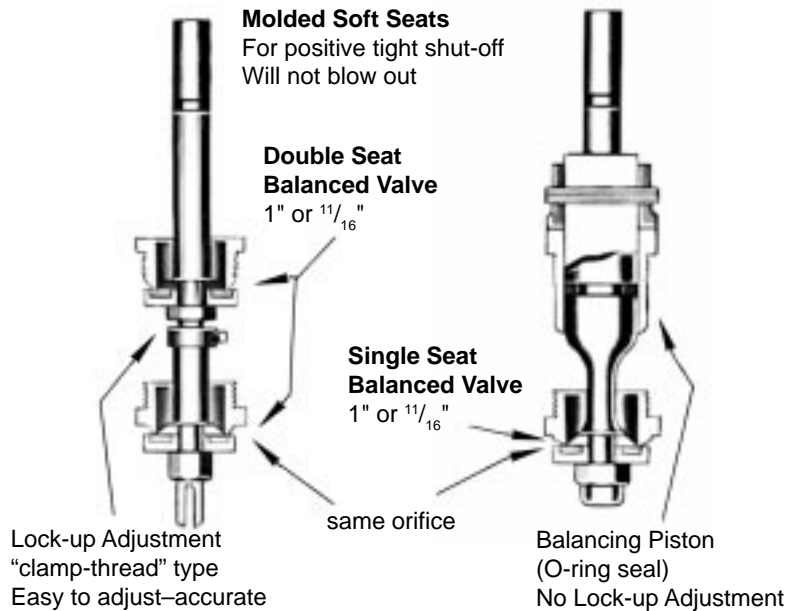
Valve assemblies can be interchanged with the regulator in place in the line.



461-S with
Double Seat
Balanced Valve



461-S with
Single Seat
Balanced Valve

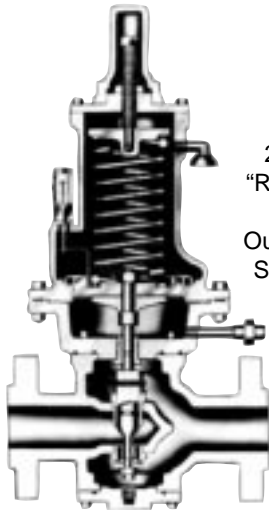


1" Valve is available
with V-Port retainers
which provide greater
turndown performance

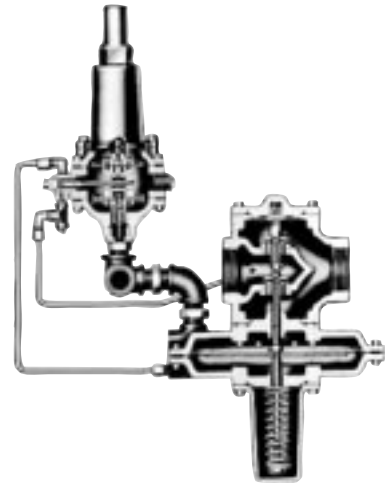
Caution: Turn gas on slowly. If an outlet stop valve is used, it should be opened first. Do not over load the diaphragm with a sudden surge of inlet pressure. Monitor the outlet pressure during start-up to prevent an outlet pressure overload. **Refer to RM-1330 for more detailed start-up procedures.**



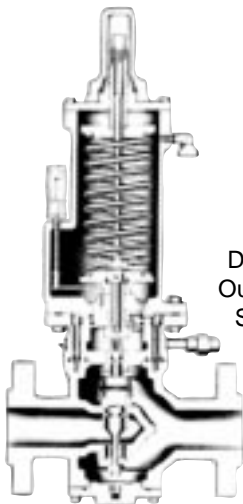
Other 461 Models for Distribution Systems and Industrials



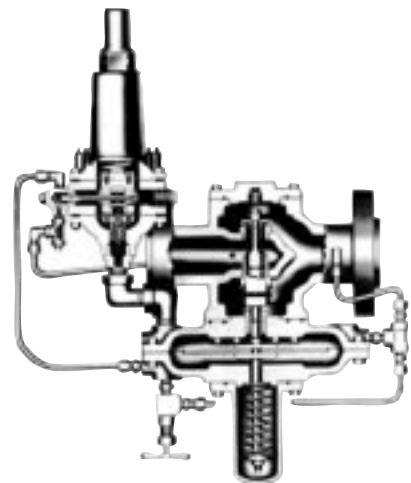
2" Model 461-57S
"Roll-Out" Diaphragm
Regulator
Outlets of 3 to 100 psi
See Bulletin R-1331



2" Model 1100
Pilot Operated
Regulator
See Bulletin R-1341



2" Model 461-X57
High-Pressure
"Roll-Out"
Diaphragm Regulator
Outlets of 75 to 250 psi
See Bulletin R-1332



2" Model 1200
All steel construction
Outlets to 600 psi
See Bulletin R-1342

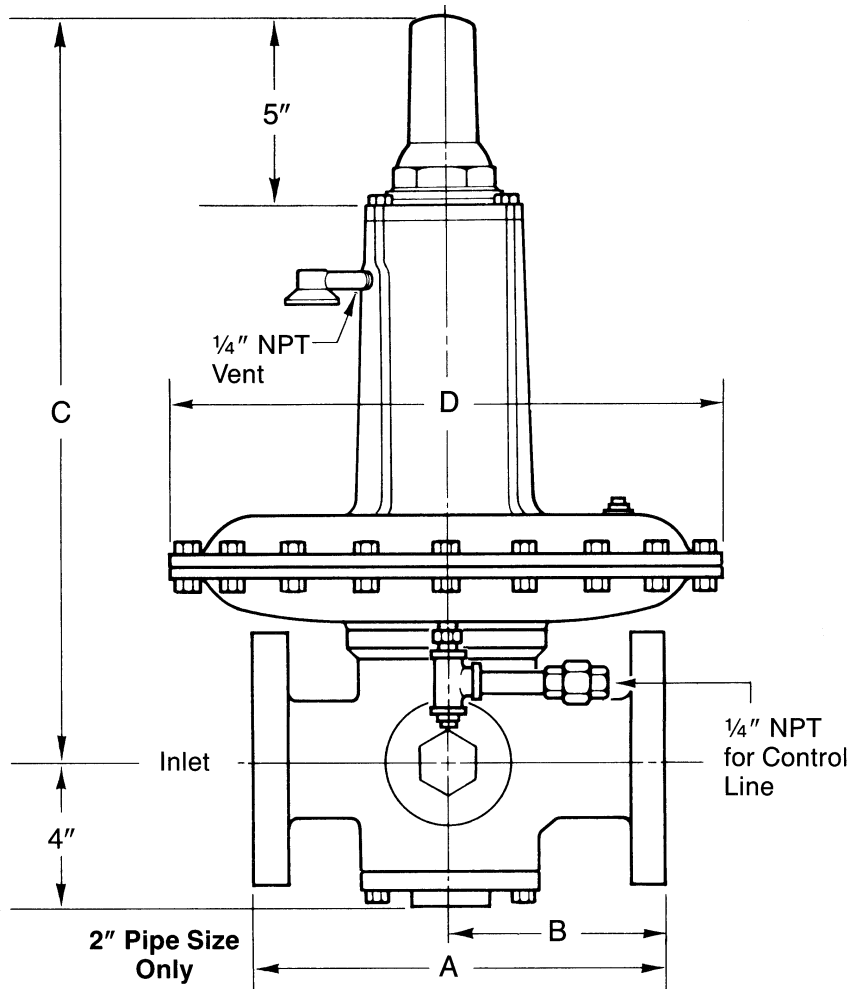
Caution: It is the user's responsibility to assure that all regulator vents and/or vent lines exhaust to a non-hazardous location away from **any potential** sources of ignition. Refer to Equimeter Bulletin RM-1330 for more detailed information.

Dimensions

Model 461-S



Regulator Body Type	A	B	C	D (12")	D (8 1/2")	Shipping Weight Lbs.	Body Material
Screwed End	6 1/2"		19 1/2"	14 1/4"	11"	75	Cast Iron (ASTM A126-71 class B)
Flanged 125 lbs.	10"	5 1/4"	19 1/2"	14 1/4"	11"	80	Cast Iron (ASTM A126-71 class B)
Flanged 250 lbs.	10 1/2"	5 1/2"	19 1/2"	14 1/4"	11"	85	Ductile Iron (ASTM A395-71 gr 60-40-18)
Flanged 300 lbs.	10 1/2"	5 1/2"	19 1/2"	14 1/4"	11"	90	Cast Steel (ASTM A216-70a gr WCB)





Model 461-8S

Regulator BodyType	A	B	C	D	Shipping Weight Lbs.	Body Material
Screwed End	6 1/2"			10 3/16"	75	Cast Iron (ASTM A126-71 class B)
Flanged 125 lbs.	10"	5 1/4"	18 3/8"	10 3/16"	80	Cast Iron (ASTM A126-71 class B)
Flanged 250 lbs.	10 1/2"	5 1/2"	18 3/8"	10 3/16"	85	Ductile Iron (ASTM A395-71 gr 60-40-18)
Flanged 300 lbs.	10 1/2"	5 1/2"	18 3/8"	10 3/16"	90	Cast Steel (ASTM A216-70a gr WCB)

Model 461-12S

Regulator BodyType	A	B	C	D	Weight Lbs.	Shipping Body Material
Screwed End	6 1/2"			14"	75	Cast Iron (ASTM A126-71 class B)
Flanged 125 lbs.	10"	5 1/4"	13 1/4"	14"	80	Cast Iron (ASTM A126-71 class B)
Flanged 250 lbs.	10 1/2"	5 1/2"	13 1/4"	14"	85	Ductile Iron (ASTM A395-71 gr 60-40-18)
Flanged 300 lbs.	10 1/2"	5 1/2"	13 1/4"	14"	90	Cast Steel (ASTM A216-70a gr WCB)

Equimeter produces a broad product line of Gas Pressure Regulators which are widely used throughout the natural gas industry. These regulators are also suitable for non-corrosive industrial gas

applications such as propane, butane, air, nitrogen, dry CO₂, etc. For additional detailed information on a particular model, please request the indicated bulletin from the local Equimeter sales office.



Multi-Purpose Service Regulators

Model 143-80
 Bulletin: R-1301
 3/4", 1" and 1 1/4" pipe size
 Inlet pressures to 125 psi
 Outlet pressures 3 1/2" w.c. to 6 psi
 Capacity to 2000 CFH
 Available with straight-through body.
 Also available: internal relief valve and low pressure cut-off.

Model 143-6
 Bulletin: R-1303
 3/4", 1" and 1 1/4" pipe size
 Inlet pressures to 125 psi
 Outlet pressures 3 1/2" w.c. to 6 psi
 Capacity to 2000 CFH
 Available with 90° angle or straight-through body.
 Also available: internal relief valve and low pressure cut-off.

Industrial Service Regulators

Models 243-8, 243-12, 243-8HP
 Bulletin: R-1306
 1 1/4", 1 1/2" and 2" pipe size
 Inlet pressures to 125 psi
 Outlet pressures 3 1/2" w.c. to 10 psi
 Capacity to 25,000 CFH
 Also available: internal relief valve, low pressure cut-off external control line, back pressure regulator, relief valve, vacuum regulator and vacuum breaker.

Industrial Field Regulators

For intermediate to high pressure applications. Ideal on pipeline taps servicing plants and buildings. Appropriate for double stage reduction ahead of service regulators, and for high pressure burners and compressed air systems.

Model 046
 Bulletin: R-1312
 3/4", 1" and 1 1/4" pipe size
 Inlet pressures to 1000 psi
 Outlet pressures 3 to 200 psi
 Capacity to 40,000 SCFH
 Monitor and pressure loaded versions, and internal relief valve also available.

Model 141A
 Bulletin: R-1311
 2" pipe size
 Inlet pressures to 1500 psi
 Outlet pressures 5 to 400 psi
 Capacity to 55,000 SCFH

Pilot Loaded Regulators

For intermediate and high pressure applications requiring precise pressure reduction with minimal droop. Ideal for standard and high capacity flows on burners, driers, dehydrators and compressor lines. Appropriate for fixed factor billing.

Model 243-RPC
 Bulletin: R-1343
 1 1/4", 1 1/2" and 2" pipe size
 Inlet pressures to 150 psi
 Outlet pressures 3 1/2" w.c. to 35 psi
 Capacity to 76,000 SCFH

Model 1100
 Bulletin: R-1341
 Pipe size: 2"
 (screwed or flanged)
 Inlet pressures to 400 psi
 Outlet pressures 3" w.c. to 100 psi
 Capacity to 414,000 SCFH

Model 1200
 Bulletin: R-1342
 Pipe Size: 2" (flanged)
 Inlet pressures to 1200 psi
 Outlet pressures 20 to 600 psi
 Capacity to 789,000 SCFH

Equimeter also produces Industrial and Combustion Regulators; High Pressure, High Capacity Regulators; and Safety Relief Valves. Detailed information available on request.