# Model 122 Industrial Combustion Regulators



**Metering Systems** 

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## Model 122 Industrial Combustion Regulators

For an unbeatable combination of capacity, performance and economy, install the Invensys Metering Systems Model 122...the latest in industrial-combustion type gas pressure regulators.

Streamline body passages provide large capacity.

Carefully engineered internal sensing produces **accurate pressure control** without an external control line. And, just in case a particular application necessitates one, a handy tap on the 122 makes connection into an external control line a

#### Maximum inlet pressure is 15 psig.

Outlet pressure is easily adjusted throughout a range of inches w.c. to 2 psig. And the **springs are color coded** for easy identification.

simple matter.

Diaphragm cases are high strength, corrosion resistant die-cast aluminum alloy. This makes a better looking regulator at a better price. In addition, on 1" through 2 1/2" sizes a large area double acting damper in the vent assures **fast speed of response** while maintaining stability...just the thing for those troublesome "snap-acting" loads.

Soft seats plus a precision machined "knife-edge" orifice provide **positive tight shutoff**. And the orificie is removable.

## **Outlet Pressure Ranges and Springs - Standard Regulator**

SIZE OUTLET RANGE		SPRING COLOR	SPRING PART NUMBER	NOMINAL DIAPHRAGM SIZE
	1 <sup>1</sup> / <sub>2</sub> " to 3 <sup>1</sup> / <sub>2</sub> " w.c.	cadmium	120-08-021-12	
<sup>3</sup> /4" Model 122-6	11/2" to 12" w.c.	green blue	143-62-021-17 (main spring) 143-08-021-01 (counter spring)	
	3 <sup>1</sup> / <sub>2</sub> " to 6 <sup>1</sup> / <sub>2</sub> " w.c. 5" to 8 <sup>1</sup> / <sub>2</sub> " w.c. 6" to 14" w.c. 12" to 28" w.c. <sup>1</sup> / <sub>2</sub> psi to 2 psi	red blue green orange black-white	143-62-021-15 143-62-021-16 143-62-021-17 143-62-021-18 143-62-021-22	6"
1" and 11/4" Model 122-8	1 <sup>1</sup> / <sub>2</sub> " to 3 <sup>1</sup> / <sub>2</sub> " w.c.	blue-black black	143-82-021-01 (main spring) 143-41-021-00 (counter spring)	
	11/2" to 12" w.c.	green-black black	143-82-021-02 (main spring) 143-41-021-00 (counter spring)	Hears (
	3 <sup>1</sup> / <sub>2</sub> " to 6 <sup>1</sup> / <sub>2</sub> " w.c. 5" to 8 <sup>1</sup> / <sub>2</sub> " w.c. 6" to 14" w.c. 12" to 28" w.c. 1 psi to 2 psi	red-black blue-black green-black green orange	143-82-021-00 143-82-021-01 143-82-021-02 143-16-021-05 143-16-021-06	8"
11/2", 2" and 21/2" Model 122-12	1 <sup>1</sup> / <sub>2</sub> " to 3 <sup>1</sup> / <sub>2</sub> " w.c.	red red-black	143-16-021-03 (main spring) 121-10-021-50 (counter spring)	
	1 <sup>1</sup> / <sub>2</sub> " to 12" w.c.	maroon red-black	121-42-021-00 (main spring) 121-10-021-50 (counter spring)	
	3 <sup>1</sup> / <sub>2</sub> " to 6 <sup>1</sup> / <sub>2</sub> " w.c. 5" to 8 <sup>1</sup> / <sub>2</sub> " w.c. 6" to 14" w.c. 12" to 28" w.c. 1 psi to 2 psi <sup>1</sup> / <sub>2</sub> psi to 2 psi	red blue green orange black cadmium	143-16-021-03 143-16-021-04 143-16-021-05 143-16-021-06 143-16-021-07 143-16-021-08	12"

#### **Temperature Limits**

Model 122 regulators can be used for temperatures from -20°F to +150°F.

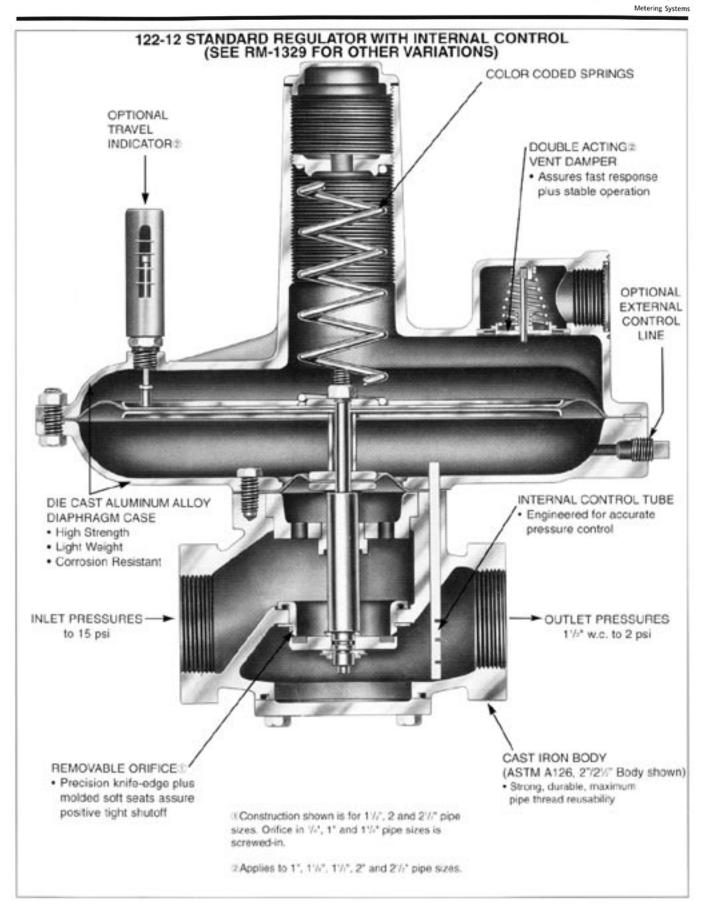
### **Buried Service**

These regulators are designed for above ground or vault installations and are not recommended for direct earth burial.

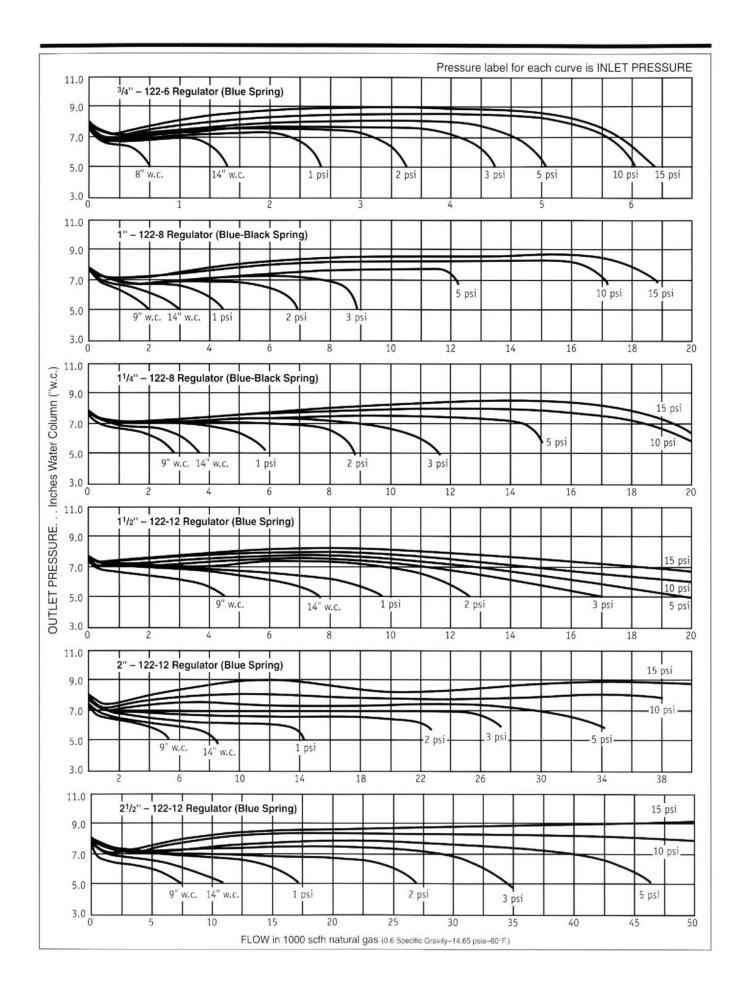
**Periodic Inspection:** Regulators are pressure control devices with numerous moving parts subject to wear that is dependent upon particular operating conditions. To assure continuous satisfactory operation, a periodic inspection schedule must be adhered to with the frequency of inspection determined by the severity of service and applicable laws and regulations. See bulletin RM-1329 for complete field service instructions and warranty obligation.

## Construction and Design Features

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## **Typical Performance Curves**



## Model 122 Capacity Tables

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	Capacity i			(0.6 Specific G		ia-60°F)				
	SET POINT	SET POINT	OUTLET PRESSURE FPOINT SET POINT SET POINT SET POINT "w.c. 11" w.c. 18" w.c. 28" w.c. 2 psi							
INLET	5" w.c. 7" w.c.		11" w.c.	18" w.c. ORANGE SPRING	28" w.c.	2 psi	Regulator Size and			
PRESSURE	1" w.c. DROOP	1" w.c. DROOP	2" w.c. DROOP	2" w.c. DROOP	3" w.c. DROOP	1/4" psi DROOP	Model			
8" w.c.	950	600	-	-	9 <del>797</del> 7	-				
14" w.c.	1550	1450	1250	-	-	—				
1 psi	2600	2500	1250	1550	-	-	3/4"			
2 psi	3550	3400	3300	2500	2800	-	Model 122-			
3 psi	4500	4350	3700	3050	3200	2500				
5 psi	4950	4950	5200	4850	4950	4650				
10 psi	5600	5900	6200	5900	6000	5600				
15 psi	5600	5900	6800	7150	7150	6800				
	SET POINT 5" w.c.	SET POINT 7" w.c.	SET POINT 11" w.c.	SET POINT 18" w.c.	SET POINT 28" w.c.	SET POINT 2 psi	Regulator Size and Model			
INLET PRESSURE	RED/BLACK SPRING 1" w.c. DROOP	BLUE/BLACK SPRING 1" w.c. DROOP	GREEN/BLACK SPRING 2" w.c. DROOP	GREEN SPRING 2" w.c. DROOP	GREEN SPRING 3" w.c. DROOP	ORANGE SPRING 1/4" psi DROOP				
8" w.c.	1550	1000	2 W.C. DRUUP	2 W.C. DHUUP	3 W.C. DHUUP					
14" w.c.	2500	2300	2000	-	_					
1 psi	4200	4000	3600	2500	_					
2 psi	5700	5500	5300	4000	4500	_	1"			
3 psi	7300	7000	6000	4900	5200	4000	Model 122-			
5 psi	8000	8000	8400	7800	8000	7500				
10 psi	9000	9500	10000	9500	9700	9000				
15 psi	9000	9500	11000	11500	11500	11000	1			
8" w.c.	2000	1500	-	-	-	-				
14" w.c.	3500	3000	2200	_		_				
1 psi	5000	4800	4000	3600	_	_				
2 psi	7300	7000	6400	5700	6000	-	<b>1</b> 1/4"			
3 psi	9000	8700	8000	6900	7200	6300	Model 122-			
5 psi	10000	9800	9500	8800	9100	8100				
10 psi	15000	15700	15200	14500	14900	13800				
15 psi	15000	15700	15800	15000	15000	14000				
	SET POINT	SET POINT	SET POINT	SET POINT	SET POINT	SET POINT	Regulator			
INLET PRESSURE	5" w.c. RED SPRING 1" w.c. DROOP	7" w.c. BLUE SPRING 1" w.c. DROOP	11" w.c. GREEN SPRING 2" w.c. DROOP	18" w.c. ORANGE SPRING 2" w.c. DROOP	28" w.c. ORANGE SPRING 3" w.c. DROOP	2 psi BLACK SPRING 1/4" psi DROOP	Size and Model			
8" w.c.		3000	_	-	-	-				
14" w.c.	4000						4			
14 W.C.	4000		3700	-	-	-				
	4900	4500	3700 6000	- 5750		-				
1 psi	4900 6600	4500 6500	6000	- 5750 9000	-		11/2"			
1 psi 2 psi	4900	4500				-	1½" Model 122-1			
1 psi 2 psi 3 psi	4900 6600 10500 12000	4500 6500 10000 12000	6000 9800 11100	9000 10000	_ 9500	- - 8900				
1 psi 2 psi 3 psi 5 psi	4900 6600 10500 12000 14500	4500 6500 10000 12000 14500	6000 9800	9000 10000 12000	_ 9500 10500 12700	-				
1 psi 2 psi 3 psi 5 psi 10 psi	4900 6600 10500 12000	4500 6500 10000 12000	6000 9800 11100 13900	9000 10000	_ 9500 10500	- - 8900 10000				
1 psi 2 psi 3 psi 5 psi	4900 6600 10500 12000 14500 16000	4500 6500 10000 12000 14500 16000	6000 9800 11100 13900 15000	9000 10000 12000 13500	- 9500 10500 12700 14000					
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi	4900 6600 10500 12000 14500 16000 18000	4500 6500 10000 12000 14500 16000 18000	6000 9800 11100 13900 15000 19000	9000 10000 12000 13500 19000	- 9500 10500 12700 14000					
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c.	4900 6600 10500 12000 14500 16000 18000 5000	4500 6500 10000 12000 14500 16000 18000 4000	6000 9800 11100 13900 15000 19000 -	9000 10000 12000 13500 19000	- 9500 10500 12700 14000					
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c.	4900 6600 10500 12000 14500 16000 18000 5000 8800	4500 6500 10000 12000 14500 16000 18000 4000 8000	6000 9800 11100 13900 15000 19000 - 6600	9000 10000 12000 13500 19000  -		- 8900 10000 12700 18000 - -				
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200	4500 6500 10000 12000 14500 16000 18000 4000 8000 12000	6000 9800 11100 13900 15000 19000 - 6600 11500	9000 10000 12000 13500 		- 8900 10000 12700 18000 - - -	Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200 18200	4500 6500 10000 12000 14500 16000 18000 4000 8000 12000 18000	6000 9800 11100 13900 15000 - 6600 11500 17300	9000 10000 12000 13500  - 10700 16500	 9500 10500 12700 14000 20000  - - 16900		Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200 18200 25000	4500 6500 10000 12000 14500 16000 18000 4000 8000 12000 18000 25000	6000 9800 11100 13900 15000 - 6600 11500 17300 24000	9000 10000 12000 13500 - - - 10700 16500 22300			Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi 15 psi	4900 6600 10500 12000 14500 18000 5000 8800 12200 18200 25000 32000 38000 38000	4500 6500 10000 12000 14500 16000 18000 4000 8000 12000 18000 25000 32000 38000 38000	6000 9800 11100 13900 15000  6600 11500 17300 24000 30000	9000 10000 12000 13500   10700 16500 22300 28100			Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c.	4900 6600 10500 12000 14500 18000 5000 8800 12200 18200 25000 32000 38000 38000 5500	4500 6500 10000 12000 14500 16000 18000 4000 8000 12000 18000 25000 32000 38000 38000 4500	6000 9800 11100 13900 15000 - 6600 11500 17300 24000 30000 35000	9000 10000 12000 13500  10700 16500 22300 28100 32200			Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi 15 psi	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200 18200 25000 32000 32000 38000 38000 5500 9600	4500 6500 10000 12000 14500 16000 18000 4000 8000 12000 18000 25000 32000 38000 38000	6000 9800 11100 13900 15000  6600 11500 17300 24000 30000 35000 40000  7300	9000 10000 12000 13500 19000  10700 16500 22300 28100 32200 39000			Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 14" w.c. 14" w.c. 14" w.c. 14" w.c. 14" w.c.	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200 18200 25000 32000 38000 38000 5500 9600 13600	4500 6500 10000 12000 14500 16000 18000 4000 8000 12000 18000 25000 32000 38000 38000 4500	6000 9800 11100 13900 15000 19000 - 6600 11500 17300 24000 30000 35000 40000 - 7300 12100	9000 10000 12000 13500 19000  10700 16500 22300 28100 32200 39000			Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 14" w.c. 14" w.c. 14" w.c. 15 psi 2 psi 3 psi 5 psi 10 psi 15 psi 10 psi 12 psi 12 psi 12 psi 12 psi 13 psi 14" w.c.	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200 18200 25000 32000 32000 38000 38000 5500 9600 13600 20700	4500 6500 10000 12000 14500 18000 4000 8000 12000 18000 25000 32000 32000 38000 38000 38000 4500 9000 13400 20000	6000 9800 11100 13900 15000  6600 11500 17300 24000 30000 35000 40000  7300 12100 19200	9000 10000 12000 13500 			2" Model 122-1 Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 14" w.c. 14" w.c. 14" w.c. 15 psi 8" w.c. 15 psi 3 psi 3 psi 5 psi 10 psi 15 psi 3 psi 10 psi 15 psi 15 psi 15 psi 15 psi 10 psi 15 psi	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200 18200 25000 32000 38000 38000 38000 5500 9600 13600 20700 27000	4500 6500 10000 12000 14500 18000 4000 8000 12000 18000 25000 32000 32000 38000 38000 38000 4500 9000 13400 20000 27000	6000 9800 11100 13900 15000 19000  6600 11500 17300 24000 30000 35000 40000  7300 12100 19200 26500	9000 10000 12000 13500 19000  10700 16500 22300 28100 32200 39000  - 11300 18200 24900			2" Model 122-1 Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 3 psi 5 psi 3 psi 5	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200 18200 25000 32000 32000 38000 38000 5500 9600 13600 20700	4500 6500 10000 12000 14500 18000 4000 8000 12000 18000 25000 32000 32000 38000 38000 38000 4500 9000 13400 20000	6000 9800 11100 13900 15000  6600 11500 17300 24000 30000 35000 40000  7300 12100 19200	9000 10000 12000 13500 19000   10700 16500 22300 28100 32200 39000  - 11300 18200			2" Model 122-1 Model 122-1			
1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 1 psi 2 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 14" w.c. 14" w.c. 14" w.c. 15 psi 8" w.c. 15 psi 3 psi 3 psi 5 psi 10 psi 15 psi 8" w.c. 14" w.c. 14" w.c. 15 psi 15 psi 10 psi 15 psi 15 psi 10 psi 15 psi 15 psi 10 psi 15 psi 15 psi 2 psi 10 psi 15 psi 15 psi 2 psi 15 psi 15 psi 2 psi 3 psi 15 psi 2 psi 3 psi 15 psi	4900 6600 10500 12000 14500 16000 18000 5000 8800 12200 18200 25000 32000 38000 38000 38000 5500 9600 13600 20700 27000	4500 6500 10000 12000 14500 18000 4000 8000 12000 18000 25000 32000 32000 38000 38000 38000 4500 9000 13400 20000 27000	6000 9800 11100 13900 15000 19000  6600 11500 17300 24000 30000 35000 40000  7300 12100 19200 26500	9000 10000 12000 13500 19000  10700 16500 22300 28100 32200 39000  - 11300 18200 24900			2" Model 122-1 Model 122-1			

**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.

## **General Information**

Maximum Emergency Pressures The maximum inlet pres- sure a Model 122 regulator may be subjected to under abnormal conditions without causing internal damage is 20 psi.	The maximum pressure the diaphragm may be sub- jected to under abnormal conditions without causing internal damage is set-point plus 2 psi. Set-point is de- fined as the outlet pressure a regulator is adjusted to deliver. If either of the above	limits is exceeded the regu- lator must be taken out of service and inspected. Dam- aged or otherwise unsatisfac- tory parts must be repaired or replaced before returning the regulator to service. The maximum pressure that can be safely contained by the diaphragm case on	a Model 122 regulator is 5 psi. Safely contained means no leakage as well as no bursting. Before using any of the above data, make sure this entire section is clearly understood.
Overpressurization Protection	Protect the downstream piping system and the regu- lator's low pressure cham- bers against overpressur- ization due to possible reg- ulator malfunction or failure to achieve complete lockup.	The allowable outlet pres- sure is the lowest of the maximum pressures per- mitted by federal codes, state codes, Invensys Metering Systems RDS- 1498, or other applicable	standards. The method of protection can be a relief valve, monitor regulator, shutoff device, or similar mechanism.

#### Materials of Construction

Cast Iron
Cast Aluminum Alloy
Plated Steel
Buna-N with
Nylon Fabric Insert
and 21/2" Model 122)
and 11/4" Model 122)
ed Buna-N Soft Seat

## Full Open Capacity

Capacity of the Model 122 in the wide-open position can be calculated using the following formula and K factors:

- 1. Formula...Q = K  $\sqrt{Po}$  (Pi Po)
  - Q = Full open capacity in SCFH of 0.6 specific gravity natural gas.
  - Pi = Absolute inlet pressure (psia).
  - Po= Absolute outlet pressure (psia).

2. K Factors = <sup>3</sup>/<sub>4</sub>" Model 122-6..... K = 1000

### **Other Gases**

Standard Model 122 Regulators are most widely used on natural gas. However, they perform equally well on LP gas, nitrogen, dry CO2 and air.

For capacities, multiply the table values on page 5 by the following correction factors.

Stem	Plated Steel
Diaphragm Pans, Collars and W	ashers Plated Steel
O-Rings and Tetra Seals	Buna-N
Adjustment Spring Button	
	(1" and 21/2" Model 122)
Adjustment Spring Button	Thermo-Set-Plastic
	( <sup>3</sup> / <sub>4</sub> " Model 122)
Seal Cap Zinc I	Die Casting (1" through 21/2")
Th	ermo-Plastic (3/4" Model 122)

K = 1400
K = 1750
K = 2750
K = 4750
K = 5250

Remember, at the above full open capacities the droop is significantly greater than specified in the capacity tables.

When checking 122 regulator capacity to provide adequate relief valve capacity, use the full open capacity - do not use 122 capacity from the tables.

OTHER GASES	CORRECTION FACTOR			
Air (Specific Gravity 1.0)				
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 = Specific G	0.6 ravity of the Gas			

For use with gases not listed above, please contact your Invensys Metering Systems representative or Industrial Distributor for recommendations

Caution: It is the user's responsibility to assure that all residential service regulator vents and/or vent lines exhaust to a non-hazardous location away from any potential sources of ignition. Refer to Invensys Metering Systems Bulletin RM-1329 for more detailed information.

#### **122 Variations**

The following variations of the Model 122 are also available:

#### Atmospheric Regulator / Zero Governor

All pipe sizes, <sup>3</sup>/<sub>4</sub>" through 2<sup>1</sup>/<sub>2</sub>". Set-point pressures... -1<sup>1</sup>/<sub>4</sub>" w.c. to +1<sup>1</sup>/<sub>2</sub>" w.c. . . . . . . . . . . . . (<sup>3</sup>/<sub>4</sub>" Model 122-6). -1" w.c. to +1<sup>1</sup>/<sub>2</sub>" w.c. . . . . . . . . . (1" through 2<sup>1</sup>/<sub>2</sub>" Model 122).

#### **Differential Regulator**

All pipe sizes, 3/4" through 21/2". Set points to a maximum differential of 1 psi.

#### Larger Sizes

#### **Back Pressure Regulator / Relief Valve**

All pipe sizes, 3/4" through 21/2".	
Set-point pressures	
11/2" w.c. to 2 psi	
3" w.c. to 2 psi (1" and 11/4" Model 122-8).	
3" w.c. to 1 <sup>3</sup> / <sub>4</sub> psi (1 <sup>1</sup> / <sub>2</sub> " and 2 <sup>1</sup> / <sub>2</sub> " Model 122-12).	

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For more complete information refer to RM 1329. For other variations or special applications, please contact your Invensys Metering Systems Representative or Industrial Distributor.

The 122 is manufactured in  ${}^{3}/{}^{*}$  through  $2{}^{1}/{}_{2}{}^{*}$  pipe sizes only. For larger sizes see the 3" and 4" Model 121...Bulletins R-1328 or RM-1328.

#### Metrication

#### Use the following for metric conversions:

std. metres³/hr. x 35.31 = std. ft.³/hr. (SCFH) std. ft.³/hr. (SCFH) x 0.0283 = std. metres³/hr.

kilograms/centimeter<sup>2</sup> (kg/cm<sup>2</sup>) x 14.22 = psig psig x 0.0703 = kilograms/centimeter<sup>2</sup> (kg/cm<sup>2</sup>)

kilopascals (kPa) x 0.145 = psigpsig x 6.90 = kilopascals (kPa) bars x 14.50 = psigpsig x .069 = bars

millimeters water (mm H<sub>2</sub>0) x .0394 = in. w.c. in. w.c. x 25.4 = millimeters water (mm H<sub>2</sub>0)

millimeters mercury (mm Hg) x 0.535 = in. w.c. in. w.c. x 1.868 = millimeters mercury (mm Hg)

#### Dimensions

A (Diameter)		A	В	С	D	E	F	SHPG. WT.
Vent Outlet (N <sup></sup> 122 6 only) Vent Outlet V <sup></sup> NPT V	3/4" NPT	7 <sup>3</sup> /8"	77/8"	17/8"	5 <sup>3</sup> /4"	2 <sup>5</sup> /8"	-	10 lbs.
	1" NPT	101/4"	<b>11</b> <sup>5</sup> /8"	<b>1</b> <sup>7</sup> /8"	5³/4"	<b>2</b> <sup>1</sup> / <sub>2</sub> "	37/16"	15 lbs.
Optional Inlet and Outlet	11/4" NPT	101/4"	<b>11</b> <sup>5</sup> /8"	1 <sup>7</sup> /8"	5 <sup>3</sup> /4"	<b>2</b> <sup>1</sup> / <sub>2</sub> "	37/16"	15 lbs.
	11/2" NPT	14"	13"	2³/8"	71/2"	315/16"	39/16"	28 lbs.
C C C C C C C C C C C C C C C C C C C	2" NPT	14"	13"	2 <sup>3</sup> / <sub>8</sub> "	<b>7</b> <sup>1</sup> /2"	315/16"	39/16"	28 lbs.
	21/2" NPT	14"	13"	2 <sup>3</sup> /8"	81/4"	3 <sup>15</sup> /16"	3 <sup>9</sup> /16"	30 lbs.

#### How to Order

- Specify: 1. Model Number.
- 2. Pipe size.
- 3. Inlet Pressure.
- 4. Outlet Pressure.
- 5. Capacity required... SCFH.
- Kind of gas...(natural gas, propane, air, etc.)

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

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> Representatives in all principal cities. Distributors throughout the world.



**Metering Systems** 



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