

# Regulators

## Nitrogen Regulators for Hospitals, Laboratories & Operating Rooms



Western's adjustable nitrogen regulator is ideal for use with surgical tools and similar equipment. The 0-200 psi pressure range allows for minute adjustments. It is available as a dual unit regulator for extended operation (single stage unit only). Available in 580 Single Stage Pressure Range. Large Cylinder.

0-200psi

**#34-MSG180580\***

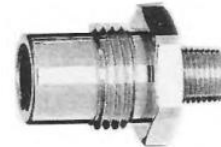
**Note:** Nitrogen regulators come with 1/4 female outlet and require fittings for specific application.

Add choice of fittings:

**#69-20136** Schrader female



**#69-20320** DISS male



**#69-20318** DISS male with check valve



**#69-20311** Dynacon female



\* Requires two outlet fittings

## MEDICAL AIR REGULATORS - SINGLE STAGE -

This single stage regulator/flowmeter design is calibrated to 15 LPM and is ideal for industrial environments where employees may require an additional supply of clean breathing medical air. The Western flowmeter is a dual-taper design with an expanded scale allowing for finer low range adjustment. Available with a CGA #950 pin-indexed yoke for small cylinder (D and E) service. Accuracy:  $\pm 1/2$  Liter in the 1-5 LPM included range,  $\pm 1$  liter in the 5-15 lpm range.



### ITEM NUMBER

### DESCRIPTION

#34-M1-34615-FM

Regulator/Flowmeter model, 15 lpm with (expanded 1-5 lpm scale). 2" diameter high pressure gauge, CGA #346 inlet connection for large cylinder service.

#34-M1-95015-FM

Regulator/Flowmeter model, 15 LPM with (expanded 1-5 lpm scale). 1 1/2" diameter high pressure gauge, CGA #950 yoke for small cylinder (D and E) service.

All regulators are supplied with DISS 1160 Medical Air Outlets.

This single stage regulator is designed to deliver a preset pressure of 50 psi. A 2" diameter white face 4,000 psi gauge denotes cylinder contents. Accuracy and optimum performance are maintained by a sensitive neoprene diaphragm assembly as well as dual inlet filtering. An internal self-reseating relief valve is also standard.



### ITEM NUMBER

### DESCRIPTION

#34-M1-346-P

Preset model 50 PSI. 2" diameter high pressure gauge, CGA # 346 inlet connection for large cylinder service.

#34-M1-950-P

Preset model 50 PSI. 1 1/2 diameter high pressure gauge, CGA #950 yoke for small cylinder (D and E) service.

This single stage model for medical air service is adjustable to 100 psi. An internal self-reseating relief valve protects against over pressurization. A neoprene diaphragm assembly is included for optimum sensitivity. Dual inlet filtering is standard. This versatile model is available in a large cylinder (CGA #346) and small cylinder (CGA #950) configuration.



### ITEM NUMBER

### DESCRIPTION

#34-M1-346-PG

Adjustable model to 100psi. 2" diameter gauges, CGA #346 inlet connection for large cylinder service.

#34-M1-950-PG

Adjustable model to 100 psi. 1 1/2" diameter gauges, CGA #950 yoke for small cylinder (D and E) service.

# Regulators/Nitrogen

## USED TO REDUCE PIPELINE PRESSURE TO WORKABLE PRESSURE



**#69-20516**  
Nitrogen Regulator assembly, Dynacon male to set screw lock for acceptance of a Medical Air Schrader male - 180°



**#69-20515**  
Nitrogen Regulator assembly, 90° Dynacon male to set screw lock for acceptance of a Medical Air Schrader male



**#69-20514**  
Nitrogen regulator assembly, D.I.S.S. Nitrogen female to set screw lock for acceptance of a Medical Air Schrader male - 180°



**#69-20517**  
Nitrogen regulator assembly, 90° D.I.S.S. Nitrogen female to set screw lock for acceptance of a Medical Air Schrader male



**#69-20351**  
Nitrogen regulator assembly, Dynacon male to Schrader Nitrogen check valve - 180°  
*(for the same configuration with Medical Air Schrader use #69-21700)*



**#69-20352**  
Nitrogen regulator assembly, 90° Dynacon male to Schrader Nitrogen check valve *(for the same configuration with Medical Air Schrader use #69-21703)*



**#69-20749**  
Nitrogen regulator assembly, D.I.S.S. Nitrogen female inlet to D.I.S.S. Nitrogen male outlet - 90°



**#69-20748**  
Nitrogen regulator assembly, D.I.S.S. Nitrogen female inlet to D.I.S.S. Nitrogen male outlet - 180°

**#69-21241**  
Nitrogen Regulator assembly, D.I.S.S. Nitrogen female inlet to Schrader Nitrogen check valve - 180° *(for the same configuration with Medical Air Schrader use #69-21701)*



**#69-21243**  
Nitrogen Regulator assembly, Schrader Nitrogen male inlet to Schrader Nitrogen check valve - 180° *(for the same configuration with Medical Air Schrader inlet male and outlet female use #69-21704)*

**#69-21242**  
Nitrogen regulator assembly, D.I.S.S. Nitrogen female inlet to Schrader Nitrogen check valve - 90° *(for the same configuration with Medical Air Schrader use #69-21702)*



**#69-21244**  
Nitrogen regulator assembly with 1/4" NPT female inlet and outlet.

**NOTE: All of the regulators listed above are designed to carry Nitrogen Gas at pressures not to exceed 180 psi. Some of these regulators are equipped with a Schrader fitting. These female couplers could be for Nitrogen or Medical Air, since both have been used by saw and drill manufacturers. Please "USE CAUTION" when connecting hoses to ensure proper connection and application.**

## NITROUS OXIDE REGULATORS - SINGLE STAGE -



#34-M1-326-P

This single stage regulator, specifically designed for nitrous oxide, is preset at 50 psi and is equipped with a 2" diameter blue face 1,000 psi gauge. Accuracy and optimum performance are maintained by a sensitive neoprene diaphragm assembly as well as dual inlet filtering. An internal self-reseating relief valve is also standard.

### ITEM NUMBER

### DESCRIPTION

#34-M1-326-P

Preset model 50 psi. 2" diameter high pressure gauge, (CGA #326) inlet connection for large cylinder service.

#34-M1-910-P

Preset model 50 psi, 2" diameter high pressure gauge, (CGA #910) yoke for small cylinder (D and E) service.



#34-M1-326-PG

This single stage model for Nitrous Oxide is adjustable to 100 PSI. The 2" blue face gauges are standard. An internal self reseating valve protects against over pressurization. A neoprene diaphragm assembly is included for optimum sensitivity. Dual inlet filtering is standard. This versatile model is available in a large cylinder (CGA #326) and small cylinder (CGA #910) configuration.

### ITEM NUMBER

### DESCRIPTION

#34-M1-326-PG

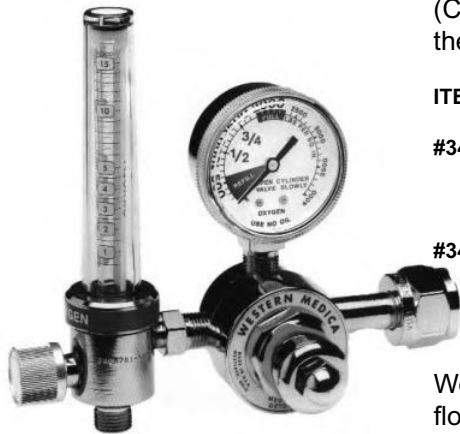
Adjustable pressure model to 100 psi, 2" diameter gauges, (CGA #326) inlet connection for large cylinder service.

#34-M1-910-PG

Adjustable pressure model to 100 psi, 2" diameter gauges. (CGA #910) yoke for small cylinder (D and E) service.

## OXYGEN REGULATORS - SINGLE STAGE -

A superbly, accurate single stage regulator/flowmeter design calibrated to 15 lpm is available from Western. The flowmeter is a dual - taper design with an expanded 5 lpm scale allowing for finer low adjustment. This style is offered in large cylinder (CGA #540) and small cylinder (CGA #870) configurations. Accuracy:  $\pm 1/2$  liter in the 1-5 lpm included range,  $\pm 1$  liter in the 5-15 lpm range.



ITEM NUMBER	DESCRIPTION
#34-M1-54015-FM	Regulator/flowmeter model 15 lpm. 1 1/2" diameter 4,000 psi gauge, (CGA #540) inlet connection for large cylinder service.
#34-M1-87015-FM	Regulator/flowmeter model 15 lpm. 1 1/2" diameter 4,000 psi gauge, (CGA #870) yoke for small cylinder. (D and E) service.

Western's accurate regulator/flowmeter design is supplied with an 7 LPM flowmeter. Small cylinder (D and E). Accuracy:  $\pm 1/4$  liter in the 1/2-3 LPM included range,  $\pm 1/2$  liter in the 3-7 LPM range.

ITEM NUMBER	DESCRIPTION
#34-M1-540-8FM	Regulator/flowmeter model 7 lpm. 1 1/2" diameter 4,000 psi gauge, (CGA #540) inlet connection for large cylinder service.
#34-M1-870-8FM	Regulator/flowmeter model 1-7 lpm. 1 1/2" diameter 4,000 psi gauge, (CGA #870) yoke for small cylinder (D and E) service.

Supplied with Western #M24-45P plastic swivel connector.

## OXYGEN REGULATORS - TWO STAGE - *Pressure*

This two stage model is for use in applications requiring a preset pressure of 50psi. Two stage accuracy provides a steady, even delivery pressure regardless of decreasing cylinder pressure. This design is similar to having two regulators in one brass body. The first stage reduces cylinder pressure approximately 90% and the second stage provides the accuracy desired in many applications. Western Medical regulators include neoprene diaphragm assemblies, internal self-reseating relief valve and dual inlet filtering.



ITEM NUMBER	DESCRIPTION
#34-M2-540P	Two stage preset model 50 psi. 2" diameter high pressure gauge, (CGA #540) inlet connection for large cylinder service.
#34-M1-540P	Single Stage Version

This accurate, two stage model is adjustable to 100 psi. It incorporates all the standard features of the Western Medical regulator line, i.e., neoprene diaphragm assembly for optimum sensitivity, internal self-reseating relief valve for added safety, and triple inlet filtering for exceptional service.



ITEM NUMBER	DESCRIPTION
#34-M2-540PG	Two stage adjustable model to 100 psi. 2" diameter gauges. (CGA #540) inlet connection for large cylinder service.
#34-M1-540PG	Single Stage Version