

# GENERAL PURPOSE NON-CORROSIVE GAS 2-STAGE REGULATOR Series 2420

## DESCRIPTION

The Series 2420 two-stage regulators are specifically designed as an economical instrument for use in non-critical applications involving inert and non-corrosive gases. They are particularly suited to applications which will not be closely monitored and a constant delivery pressure is required from full to empty cylinder. The neoprene diaphragm provides very sensitive pressure control. The Series 2720 should not be used in applications where inboard diffusion of atmospheric impurities water and oxygen or the outgassing of hydrocarbon based impurities will negatively impact the work being performed.

## FEATURES

- Neoprene diaphragm for sensitive pressure control.
- Needle valve installed in outlet.
- One piece encapsulated seats.

## APPLICATIONS

The Series 2420 regulators are ideal for use with inert, flammable, and hydrocarbon gases used in non-critical specialty gas applications when constant delivery pressure is required from full to empty cylinder.

## MATERIALS OF CONSTRUCTION

Body: brass  
Nozzles: brass  
Seats: PTFE Teflon  
Diaphragms: neoprene  
Inlet Filter : nickel plated sintered bronze - 10 micron



## SPECIFICATIONS

Max. Inlet Pressure: 3000 psig  
Operating Temp. Range: 0° to +140° F  
Body Inlet and Outlet: 1/4" NPT female  
Valve outlet: 1/4" NPT male  
Flow coefficient:  $C_V = 0.15$

## HOW TO ORDER

Model Number	Del. Press. Range psig	Del. Press. Gauge psig/kPa	Inlet Press. Gauge psig/kPa
2421-15-CGA*	0-15	0-30	0-4000
2421-50-CGA*	0-50	0-60	0-4000
2421-125-CGA*	0-125	0-150	0-4000
2421-250-CGA*	0-250	0-250	0-4000

\*Specify CGA Connection Number when ordering.