

# Gas Phase Regulator 1784NG

## Application

The 1784NG Series Regulators are designed for the Natural Gas vehicle market. The 1784NG Series Regulators are engineered with unique design features ideal for optimal natural gas engine performance.

## Features

- Highly responsive to changes in flow, pressure remains steady if flow increases
- New bonnet construction features hose barb and choice of ports for dome loading
- Adjusting screw is pre-set and protected against tampering by a pressure tight sealed plug
- Pre-set adjusting screw allows for internal adjustment
- Design utilizes abrasion resistant bushing for smooth performance
- Tied diaphragm minimizes risk of damage to downstream components in case outlet pressure increases above set-point
- Design optimized to provide stable performance with natural gas
- Maintains a steady downstream pressure across a range of inlet pressure commonly provided by a LNG bulk tank or cylinder
- Large seat and diaphragm areas provide high capacity with sensitive control of delivery pressure with low falloff
- Two ¼" FNPT delivery pressure gauge ports are located (plugged) on each side of the valve
- Two bonnet drain/vent holes to allow for different mounting orientation
- Maximum inlet pressure is 435 psig (30 barg)
- Temperature range: -40° F to +165 F (-40°C to +74°C)
- Designed in accordance with & approved by ECE R110
- 100% Factory Tested

## Materials

Body ..... Forged Brass  
 Bonnet ..... Nickel Plated Aluminum  
 Diaphragm ..... Viton  
 Springs and Fasteners ..... Stainless Steel  
 Other valve parts ..... S/S and Brass  
 Seat Disc and O-Rings ..... Viton

## Ordering Information

Part Number	Inlet Pressure psig (barg)	Delivery Pressure psig (barg)	Hose Barb, Drain and Plug Option	Inlet and Outlet	Cv
1784NG45	137.5 (9.5)	63.5 (4.5)	No hose barb, plug in the side.	½" FNPT	3.1
1784NG86	188.5 (13.0)	124.7 (8.6)			
1784NG145	188.5 (13.0)	144.0-145.5 (10.0)			
1784NGB	137.5 (9.5)	36.0 - 101.0 (2.5 - 7.0)	Hose barb over outlet, plug in the top.	½" FNPT	3.1
1784NGC	220.0 (15.2)	87.0 - 189.0 (6.0 - 13.0)			
1784NGB93	137.5 (9.5)	93.0 (6.4)			

\*Contact sales representative for additional settings and/or configuration options.



1784NG

