



# MODEL HPR SERIES HIGH PRESSURE REGULATOR

## TECHNICAL DESCRIPTION

The HPR-3600 is a single stage high pressure regulator designed for high pressure CNG (compressed natural gas) systems. This regulator is engine coolant heated to prevent freezing and has dual outlet ports for universal installation flexibility. The HPR is rated up to 24,800 kPa (3,600 psi) inlet and provides a regulated outlet pressure of  $1,030 \pm 140$  kPa ( $150 \pm 20$  psi) which makes it compatible with IMPCO "P" (positive) type regulators. It is also supplied with an external pressure relief valve which is calibrated to open if outlet pressure exceeds 2,760 kPa (400 psi). Regulatory approvals include UL and AGA/CGA. TUV certification is available with the 989C model only.

## TECHNICAL SPECIFICATION

Fuel Type .....Compressed Natural Gas Vapor (CNG) /  
Compressed Methane, (LNG).

Maximum Inlet Pressure .....24,800 kPa (3,600 psi)

Minimum Inlet Pressure ..... 1,723.7 kPa (250 psi). Service rating is derated  
at pressures less than 3,447.4 kPa  
(500 psi).

Nominal Outlet Pressure .....1,034.2 kPa (150 psi) +/- 20 psi

Horsepower Rating .....149 kW @ 10,342 kPa (200 hp @ 1,500 psi)  
inlet

Temperature Range .....-40° C to +121° C (-40° F to +250° F)

Filtration Requirement .....40 micron

Pressure Relief Valve .....2,757.9 (400 psi)

Mounting Position .....Horizontal or vertical positions can be used. Specific instructions are to install with the fuel outlet in the "down" position.

