



# MODEL 200 SERIES-CARBURETOR

## TECHNICAL DESCRIPTION

The Model 200 Series is a single diaphragm air-valve carburetor / mixer. It offers a 90° air inlet to provide low overhead clearance, and is available with several air horn and throttle valve options. This unit is available for propane, natural gas, and digester gas applications. It has been successfully used for other hydrocarbon-based vapor fuels as low as 500BTU.

The Model 200 is also available for feedback applications with the 'FB' designation. These FB mixers are also available in tamper resistant configuration, indicated by the suffix "-TR" on the part number. It is also possible to convert standard units to a tamper resistant configuration through the use of a retrofit kit (check the Optional Equipment section for more information).

The 200 mixers provides a convenient 1/8" balance port at the air inlet, however, does not include air valve vacuum ports. These ports can be added with modification to the main body or adapter casting if required. Additional low speed idle mixture control can be obtained to lean air-fuel mixtures through the use of optional shims. All DG series mixers reduce air flow by 30%.



## TECHNICAL SPECIFICATIONS

- Fuel Type..... Methane / Propane (550 - 2,500 BTU)
- Maximum Fuel Inlet Pressure ..... 8.0 in H2O
- Maximum Boost Pressure ..... 5.0 psi
- Air Flow Capacity -----345 cfm @ 2.0 inHg manifold (derate  
15% for methane)
- Horsepower..... 215 hp @ 2,500 BTU per cubic feet
- Operating Temperature..... -40° C to 120° C (-40° F to 250° F)
- Materials
- Body ..... Aluminum
- Diaphragm .....Hydrin (Standard), Silicone (Optional)