



MODEL 600 SERIES

TECHNICAL DESCRIPTION

The 600 Series Mixer is a concentric flow type air valve carburetor. A precision gas metering valve is attached to the air valve. The air valve and gas valve motion is linear in relation to the volumetric flow. The air fuel ratio is controlled by the adjustable power valve, the shape of the gas metering valve and the pressure from the gas regulator. The gas valve and matching jet is sized for the gas to be used. There are several jet sizes to adapt to various fuels from propane to landfill gas. Gas valves are shaped to provide A/F versus flow characteristics defined by each customer.

TECHNICAL SPECIFICATIONS

Fuel Type

Propane.....	50-50 Propane Butane
Natural Gas.....	85% + Methane
Digester Gas	60-72% Methane
Landfill Gas	45-60% Methane

Gas Inlet Normal	5"H ₂ O over Air Inlet (Idle Setting)
Air Inlet Maximum	517 kPa (75 PSI)
Back Fire Peak	1379 kPa (200 PSI)
Air Flow Capacity	500 CFM @ 2" Hg.P (T2-7 @ WOT)
Max Operating Temp.....	121° C (250° F)
Max Soakback	160° C (320° F)

