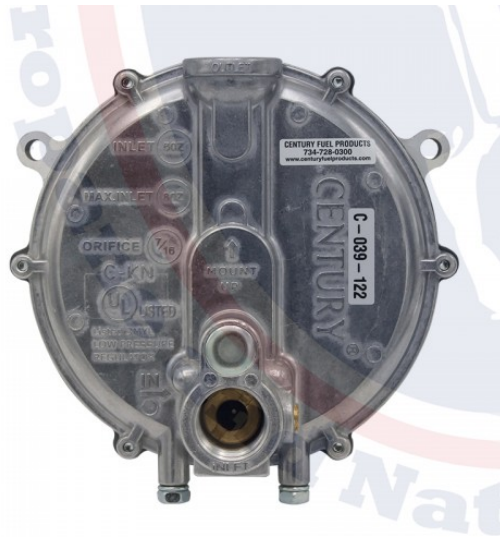


C-039-122 LOW PRESSURE REGULATOR



The C-039-122 Garretson - Impco Replacement KN is a secondary, automatic zero regulator (with manual primer) that is designed for maximum sensitivity and simple, trouble free operation. It is suitable for use with low pressure, Natural Gas and LPG Vapor fuels, where dependable starting is required. Because of its extreme sensitivity, the KN offers excellent results in most remote starting applications if installed and maintained properly. Suitable for LP engines up to 30 kW (40 hp) and NG engines up to 22.37kW (30hp). The engine creates a vacuum which acts through the outlet of the regulator on the diaphragm. Atmospheric pressure then forces the diaphragm toward the vacuum, depressing the lever and pulling the valve seat away from the orifice which allows fuel to flow as long as the demand persists. When the vacuum ceases, a spring force pushes on the lever and forces the seat valve against the orifice shutting off the fuel flow. Due to the sensitivity of the C-039-122, most installations do not need priming to start unless low cranking speed or restricted and lengthy piping are required.

Specifications

Piping	Inlet	3/4" FNPT
	Outlet	3/8" FNPT
Fuel Type	LPG Vapor or Natural Gas Vapor	
Inlet Pressure	Maximum	13.84" w.c. (3.44 kPa)
	Nominal Outlet Pressure	-0.12 kPa (-0.5" or below w.c.)
	Initial Flow Pressure	-0.05 to -0.35 w.c.
Horsepower	LPG (Standard)	40 hp (30 kW)
	LPG (High Flow)	50 hp (37 kW)
	Natural Gas (Standard)	25 hp (19 kW)
	Natural Gas (High Flow)	30 hp (22 kW)
Operating Temperature Range	-40° F to +250° F (-40° C to +121° C	
Mounting Position	As close to the carburetor as possible with the arrow on the back over pointing up to minimize the effects of gravity on diaphragm travel. Horizontal position can be used when fuel contamination can be controlled with HD-5 or HD-10 specified LPG fuel.	
Diaphragm Material	Silicone	
Applications	Stationary	