

VAPOR-JET® Venturi Blender

OPERATIONAL DESCRIPTION

The VAPOR-JET® VJ- Series SNG Blenders have set the standard in Synthetic Natural Gas performance for over 50 years. Customers such as FRITO-LAY, ALLIED SIGNAL, JOHN DEERE, FORD, NISSAN and others have relied on the VAPOR-JET® everyday for decades to ensure their SNG supply.

The VAPOR-JET® offers an ideal solution for a natural gas standby application. The Synthetic Natural Gas (SNG) can supplement or completely replace the natural gas, allowing a change over from NG to SNG with the turn of a valve! There are NO orifices to change, no pressure regulators to re-adjust and the consuming equipment has NO sooting or other combustion related problems!

The VAPOR-JET® is **FACTORY MUTUAL (FM) Approved** and complies with requirements as specified by the **NEC 70** and **NFPA 58**.



STANDARD FEATURES

- Simple and reliable pressure switches perform On/Off switching functions to accurately control each venturi assembly to the flow requirement.
- Adjustable SNG (propane-air) delivery pressures are available between: 4-5 PSIG; 6-8 PSIG, 9-10 PSIG and 11-12 PSIG.
- Surge tanks are fabricated in accordance with ASME Unfired Pressure Vessel Code, Section VIII, Division I
- Low Vapor Pressure Safety Switch prevents rich mixtures from developing if an inadequate motive pressure (i.e. pressure of vapor after the venturi regulator) is provided to the venturi nozzle
- All electrical components and their installation comply with (USA) NFPA Pamphlet 58 and 70.
- 100% turndown capability
- High mixed gas safety switch prevents over pressure of the SNG surge tank
 - Safeties Include:
 - *Low LPG Vapor safety switch*

- *High SNG pressure switch*
- *High SNG Pressure Relief Valve*
- *Vaporizer Interlock*
- 220v/1ph/50hz or 110v/1ph/60 as required
- FACTORY MUTUAL (FM) Approved.
- All exposed metal surfaces are mechanically cleaned, primed and painted or powder coated.
- Skid mounted with Surge Tank and J-Box for electrical tie-in. Compare surge tank sizes with competitors!
- Easy to use Remote Mounted Control Panel
- Complete with all operating and safety controls.

Please also read: **Technical Bulletin 014 Venturi System Operations**

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