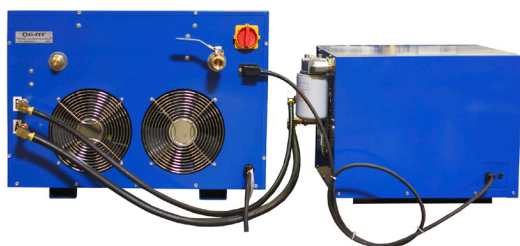
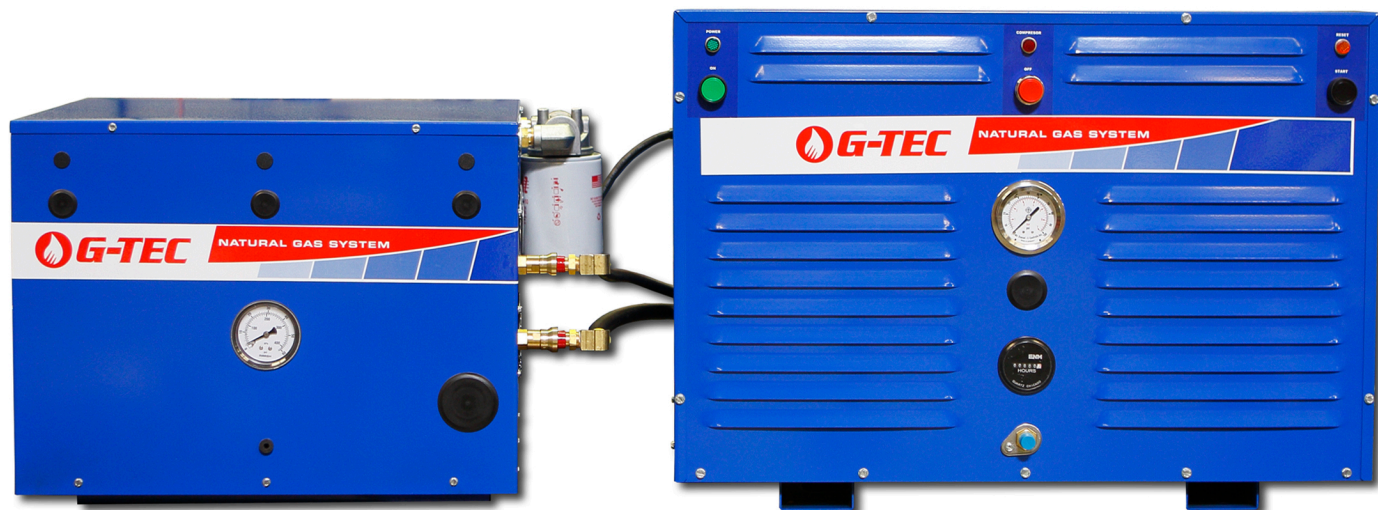


Boost standard utility natural gas service to 150 psi / 10 bar with G-TEC

TB-250H Torch Boosters

Boost standard utility natural gas service to 150 psi / 10 bar



TB-250H Torch Boosters replace propane, propylene, MAPP and other fuel gases in cylinders and provide a steady supply of 150 psi / 10 bar natural gas directly from a standard low pressure utility service. Natural gas is 75% less expensive than other fuels for equal heat value, cleaner with a lower carbon footprint and by connecting to the utility natural gas infrastructure there is an unlimited supply.

Until now high pressure natural gas service required a large, noisy, expensive compressor installed outdoors on a concrete pad with welded high pressure piping running through the building. Frequently a building permit was required for installation.

G-TEC Torch Boosters are installed indoors right in the area where high pressure natural gas will be used. Torch Boosters are compact, quiet, inexpensive and easy to install. They connect to a nearby low pressure natural gas pipe and boost pressure at the point of application, eliminating the need for extensive welded indoor high pressure piping.

TB-250H Torch Boosters are easy to operate - just turn the system on and it provides gas as your application requires it, automatically adjusting to changing gas volume requirements without operator attention, and when gas is not being used the Torch Booster puts itself into recirculation mode. A Torch Booster raises pressure as natural gas is used so there are no storage cylinders to fill and the system is ready for service as soon as it is turned on.

Torch Boosters make your workplace safer by eliminating stored fuel gas cylinders and the need to move full cylinders to replace empties. Key safety features automatically turn the Torch Booster off in the event of a gas leak, if system pressure builds to more than 275 psi or if incoming gas pressure drops below 2" WC.

TB-250H Torch Booster supplies 150 psi / 10 bar natural gas at 250 cf/hr with a 1/4 psi gas supply. Higher flow rates are possible with greater supply gas pressure. Install an external regulator to set pressure below 150 psi. Typical applications for TB-250H Torch Boosters include, fuel cell research and development, natural gas engine development, and other applications requiring high pressure service extending up to thousands of hours of continuous operation.

TB-250H Torch Boosters have a Compressor Module and a Cooler Module joined by 5' flexible tubing for installation flexibility. Both units operate from a single set of controls on the front of the Compressor Module. The Cooler Module can be stacked on top of the Compressor to reduce footprint space.

Dimensions & Weight

Torch Booster Dimensions - 28"W, 24"D, 20"T

Weight 225 LB

Cooler Dimensions - 20"W, 18"D, 16"T, 105 LB

Weight 105 LB

Electric Power

TB-250H Torch Boosters operate on single phase 208V 60Hz or 230V 50 Hz power; 30 amps.

Gas Supply Line

Use 1 1/2" steel pipe to supply 1/4 to 5 psi natural gas to these Torch Boosters.

Environmental Requirements

Ambient temperature should be between 40-90F