

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

# **HVOF With Natural Gas**



*Torch Boosters are installed indoors with no special site preparation - just a simple connection to the utility natural gas pipe*

**TB-500H Torch Boosters replace propane or propylene with high-pressure natural gas from your utility gas line - Get gas flow as high as 500 scfh / 235 lpm !**



*G-TEC TB-500H Torch Booster (right) with Compressor Cooler Module (left) provides a constant supply of high pressure natural gas right from the utility supply pipe. Never run out of gas - don't waste time storing, moving or changing gas cylinders!*



*The Torch Booster (left) and Compressor Cooler (right) are connected with flexible hosing for maximum installation convenience, side-by-side or one cabinet above/below the other, and share a common power supply.*

#### **Dimensions & Weight**

**Torch Booster** Width - 28", Height - 20", Depth - 24"  
**Oil Cooler** Width - 24", Height - 20", Depth - 24"  
**Weight - Torch Booster - 285 LB**  
**Compressor Cooler 150 LB**

#### **Electric Power**

TB-500H Torch Boosters operate on single phase 208V 60Hz or 230V 50 Hz power; 30 amps.

#### **Gas Supply Line**

Use 1 1/2" pipe to supply utility natural gas. Pressure should be 1/4 - 15 psi / .07 - 1 bar.

#### **Environmental Requirements**

Ambient temperature should be between 40-85F

**TB-500H makes your HVOF operations more productive** by eliminating propylene and propane cylinders and supplying 150 psi / 10 bar natural gas right to your spray equipment. Simply turn the unit on and you are ready to go to work immediately - no waiting for tanks to fill.

#### **Natural gas has several advantages over liquid fuels:**

- No reliquification problems at high volumes
- Coating quality characteristics for bond strength, porosity, hardness, etc. are comparable to slightly better than propylene
- Natural gas is four times less expensive than propylene and half the cost of propane for equal BTUs
- Eliminate unproductive time spent ordering, storing, moving and changing fuel gas cylinders

**Simple installation and operation** - TB-500H Torch Boosters are compact, can be installed right next to your spray equipment and do not require special site preparation such as pipe heaters or a concrete pad. The Torch Booster connects to your spray equipment like any other fuel source.

**Save money - improve quality - be more productive with high-pressure natural gas!**



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