EXTRUDE HONE®

PRODUCT DATA SHEET

TEM ECO BOOSTER CH_4 FUELING STATION

ECO BOOSTER

Compact and economical compressed gas solution for TEM owners

Right-size your compressed gas supply with the ECO BOOSTER CH_4 Fueling Station. The ECO BOOSTER will support your TEM machine with a steady supply of compressed gas, occupying less floor space than traditional NG compressors and with simpler controls and reduced maintenance. Increase your competitiveness with reduced fuel costs, by up to 80% if currently renting compressed methane bottles, and never run out of fuel.*

FEATURES and BENEFITS

+ **Portable.**
+ **Interlocked with TEM machine controls.**
+ **Boosts city gas pressure to 19 bar (275 psi).**
+ **4 storage cylinders protected by heavy-duty steel frame.**
+ **Cylinders filled with adsorbent activated charcoal to maximize fill capacity.**
+ **Simple annual maintenance procedure – no special tools or skills required.**

*Subject to natural gas availability in pipeline.

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EXTRUDE HONE®

TECHNICAL INFORMATION

TEM ECO BOOSTER CH_4 FUELING STATION

PRINCIPLE OF OPERATION

Facilities having utility natural gas (NG) can now take advantage of the most economical way to supply fuel gas to a thermal deburring machine (TEM). The ECO BOOSTER CH_4 Fueling Station uses low-pressure utility NG and boosts the pressure to the range required by TEM machines. The booster refuels adsorbent-activated, charcoal-filled cylinders to 19 bar (275 psi) and then shuts off automatically. The TEM machine can draw gas from the cylinders as needed. When pressure in the cylinders falls to 15 bar (225 psi), the ECO BOOSTER restarts automatically, refills the cylinders and turns itself off. Once started, this cycle will repeat endlessly as long as power is not turned off. It is likehaving a cylinder that never runs out of gas.

MACHINE SPECIFICATIONS

Dimensions

Standard base unit (W x D x H):
796mm x 929mm x 1997mm (31.3" x 36.6" x 78.6")

Standard base unit plus oil cooler (W x D x H):
1519mm x 929mm x 1997mm (59.8" x 36.6" x 78.6")

Cylinders: 304mm (12") diameter at base x 1219mm (48") tall with cap

Weight

Base Unit: 168 kg (370 lbs)

Cylinder Weight (each): 79 kg (175 lbs)

Max noise level: <70 dB

Shutoff: automatic

Compliance: CSA Certified and CE Compliant

Available Options:

Oil-cooler for high-temperature environments

ELECTRICAL SPECIFICATIONS

USA	International
115 VAC, 1-ph, 60 Hz	230 VAC, 1-ph, 50 Hz
Service: 30 amp	Service: 30 amp

Available Options

Suitable for the following Extrude Hone TEM machines:

C250 – all chamber sizes

S250 – all chamber sizes

P350 – 250 x 300, 320 x 300 only

P400 – all chamber sizes

P400XL – 400 x 300 only

NOTE:
If ambient temperature is consistently above 32 °C (90 °F), optional oil cooler is suggested.
If process TEM chamber pressure is normally >70% of maximum chamber pressure, check with factory.
Incoming Gas Supply Requirement = .14–.34 bar maximum (2–5 psi)

NOTE
We reserve the right to modify our specifications for the purpose of improving system properties and ensuring technical progress. Availability may change without notice.

CE