

Turbo-Brayton

for small scale methane liquefaction



- Integrated solution with feed gas pretreatment
- No feed gas losses
- Low installation cost and time: plug and play, compact (low footprint and weight)
- Maintenance-free for 5 years
- Unmanned operation, fully automatic
- Cold power available instantaneously (less than 5 min) from stand-by mode
- Multi-sources liquefaction: biogas, natural gas, flare gas, ethylene, boil-off gases
- Flash and boil-off are avoided thanks to methane subcooling
- Utility-free: no compressor, no oil, no nitrogen
- Safe technology: inert process gas, no top-up of process gas required
- Low electrical consumption and high efficiency on all operating range from 0 to 100% turn down

Reverse Turbo-Brayton principle

Turbo-Brayton is an innovative and patented solution.

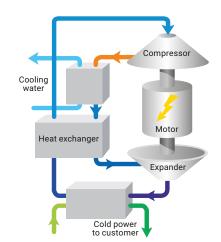




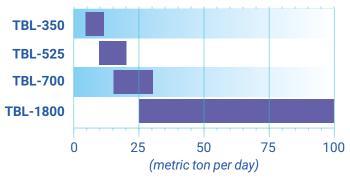
Motor on magnetic bearing (oil-free, contact-free & high reliability)



Expander



Onshore Turbo-Brayton liquefaction range



Main applications

Air Liquide Turbo-Brayton is used on the following onshore and offshore applications:

- Bio-LNG liquefaction









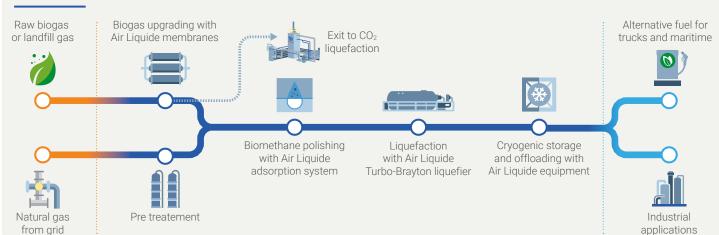
Turbo-Brayton TBL-350

Turbo-Brayton TBL-525

Turbo-Brayton TBL-700

Turbo-Brayton TBL-1800

Air Liquide fully integrated solution



Contacts

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