Trecan Snowmelters

20-SG SNOWMELTER

ISO 9001:2000 Certified

20-SG SPECIFICATIONS

Rated Capacity:	20 tons/hr (Equivalent to 50-100 cu. yards/hr average snow density of 15-30lbs/cu. ft.)
Burner Output:	4,500,000 BTU/hr
Fuel:	Natural Gas @ 5 PSIG (minimum)
Fuel Flow (to burner)	4,500 SCFH
Water Out Flow:	80 US GPM @ 38°F (3°C)
Weights:	Burner Package: 1,345 lbs Equipment Package: 2,000 lbs
Power Supply:	575/3/60, 460/3/60 or 208/3/60
Power Consumption:	24 kVA (without options)



20-SG STANDARD EQUIPMENT

1. One Trecan Model 4.5-20M-G Burner, refractory combustion chamber and a stainless steel downcomer.
2. One Trecan 'Low-Mount' gas-electric pilot.
3. Standard carbon steel semi-cylindrical outer weir tube (bolt brackets for concrete pit or integrated with steel tank).
4. Direct drive centrifugal blower with 25 HP, 3600 RPM TEFC motor.
5. Fuel/Air flow control valve assembly with low fire start switch and electric actuator.
6. Double block gas safety shut-off valves. Manual gas shut-off valves for main and pilot trains.
7. Main gas pressure regulator for 5 PSIG (minimum) inlet pressure.
8. Safety and control system including carbon steel enclosure, PLC management, flame safeguard with self-checking UV scanner, control transformer, ignition transformer, low combustion air pressure switch, high and low gas pressure switches, control timers and relays, push buttons, selector switches and indicator lights.
9. Flexible air and gas hoses and electrical conduits between equipment package and burner.
10. Fiberglass housing to enclose equipment package.
11. Pit cover, hoist gantry, electric hoist for pit cover, Burner ON light.
12. Embedded frame for concrete pits.
13. Two overflow shields for mounting to pit wall (integrated with optional steel tank).
14. CO monitoring equipment (mounts to gantry).
15. Pit (or tank) electric immersion heater(s).
16. Noise reduction package.
17. Remote PLC communications.

20-SG OPTIONS

1. Gas compressor package with fiberglass enclosure.
2. Pilot internal electric heater (extreme climate).
3. Steel or stainless steel melting tank.
4. Stainless steel weir tube.
5. Safety bollards.
6. Anti-foam chemical feed system (for glycol contaminated snow).
7. Sand removal system (various types).
8. Installation supervision.
9. Also available as a diesel or jet fuel fired unit.

4049 St. Margaret's Bay Road, Hubley, Nova Scotia, Canada B3Z 1C2 | P (902) 876-0457 | F (902) 876-8275 | Email sales@trecan.com trecan.com

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ABOUT TRECAN

The name TRECAN, was originally an acronym for "Thermal Research and Engineering Canada", and the company's history and origins are steeped in combustion technology and thermal efficiency. Trecan Combustion is a Canadian company that has been designing and manufacturing Snowmelters for over 35 years and to date the company has delivered over 500 machines throughout the world with large numbers in the United States, Canada and Russia. Trecan is the only Snowmelter manufacturer that builds nine different models of Portable Snowmelters and more than ten single / multiple burner models of Stationary Snowmelters.

TRECAN SNOWMELTERS

Trecan Snowmelters are the most thermally efficient Snowmelters available.

(approximately 98% efficiency)

This is due to the submerged combustion, direct contact method of heating and transferring the energy from the combustion process to the water and snow in the melting tank. With over 35 years of engineering, manufacturing and practical experience Trecan Snowmelters are the most proven, tried and tested Snowmelters available.

Trecan by the Numbers:

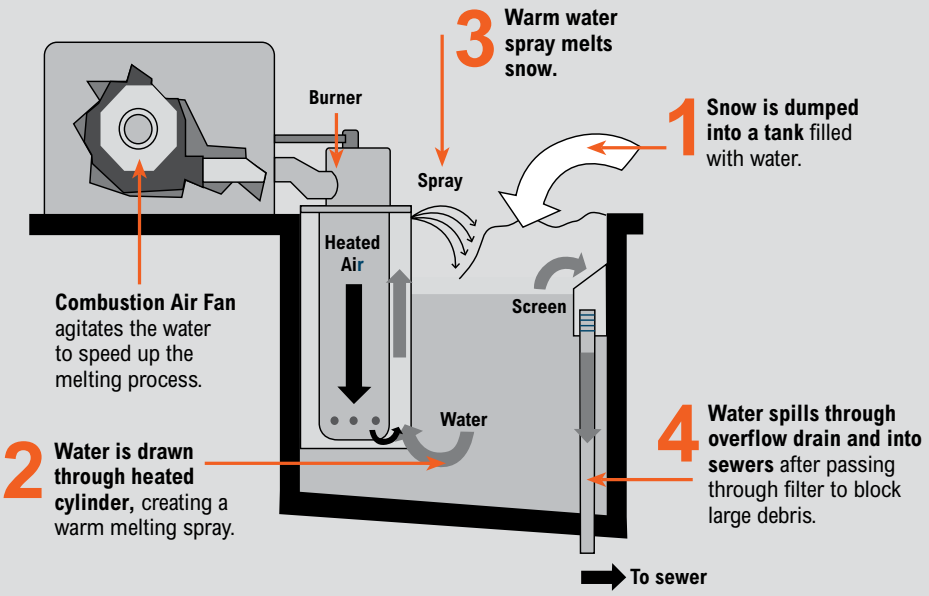
- **#1** in Snowmelters Worldwide
- **35+** Years Experience
- **100%** Performance Guarantee
- **500+** Installations Worldwide
- **#1** in Quality Assurance
- **24/7** Remote Diagnostics
- **9** Portable Models
- **10+** Stationary Models

OUR PERFORMANCE GUARANTEE

"Trecan will guarantee the capacity of our Snowmelters based on typical snow not containing any ice entering the Snowmelter at 30 Degrees F."



How our Snowmelter Works



ISO 9001:2000 CERTIFIED

In 2002 Trecan Combustion became the only Snowmelter manufacturer to obtain the ISO 9001:2000 certification, ISO's most widely known standard. ISO 9001:2000 has become an international reference for quality assurance requirements in business-to-business dealings all over the world. ISO 9001:2000 primarily ensures that our products or services satisfy the customer's quality requirements.

REMOTE DIAGNOSTICS

All Trecan Portable and Stationary Snowmelters are available with a Remote Communications Package enabling Trecan to monitor operations and conduct diagnostic checks 24/7 on Trecan Snowmelters almost anywhere in the world. This unique capability also allows for remote trouble shooting and Snowmelter software upgrades (if required and when available). We also offer an optional integrated GPS module.

COST SAVINGS

Delays in snow removal can indirectly and directly result in loss of revenue. With airports, shopping malls, and parking lots a delay in snow removal can result in tremendous loss of revenues in addition to the trucking costs. Although costs are of the most importance, speed of removal is equally so.

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