Trecan Snowmelters

40-SG SNOWMELTER

ISO 9001:2000 Certified

40-SG SPECIFICATIONS

Nominal Capacity:	40 tons/hr {Equivalent to 100-200 yards^3/hr (76.4-152.9 m^3/hr)} {average snow density of 15-30 lbs/ft^3 (240-480 kg/m^3)}	**Power Supply:**	575/3/60 or 460/3/60
		Power Consumption:	44 kVa (without options)
		Water Out Flow:	160 US GPM (606 1/min) @ 38˚F (3˚C)
Single Burner Output:	9,000,000 BTU/hr (2.64 MW)	**Weights (std model):**	Burner Pkg: 1,850 lbs (839 kg) Equip. Pkg: 2,270 lbs (1030 kg)
Fuel:	Natural Gas @ 5 PSIG (34.5 kPa)	**Typical Tank Dimensions:**	Length (std): 10' (3.05 m) Width: 8' (2.44 m) Depth: 12' (3.66 m) [min. of 7' (2.13 m)]
Fuel Flow (to burner)	9,000 SCFH (255 m^3/h)		
Electric Motor:	40 HP (29.8 kW)		



Backed by Trecan 100% Performance Guarantee
Conditions apply

40-SG GENERAL DESCRIPTION

The top of the melting tank or pit is at grade to allow snow to be plowed directly into the melting tank/pit. In ground tanks are typically cast in place concrete pits, whereas tanks for multi-level parking structures are normally fabricated carbon steel tanks (insulated and lagged). In both cases, a tank cover is included for safety when not is use. An electric hoist mounted on a gantry provides the means to open and close the tank cover.

Cleanout of in ground tanks is typically achieved with a backhoe or a vacuum truck. For the fabricated steel tanks, an access hatch is located on the side near the floor of the tank. During operation, melt water exits the tank through overflow drains on the same side of the tank as the burner is mounted on.

The 40-SG utilizes one submerged combustion burner which provides efficiencies of close to 98%, without tube type heat exchangers obstructing the melting tank.

The burner provides heat and turbulence to the melting process. In the standard model, the melting tank must be filled with water before operation of the burner(s).

Most of the equipment necessary for self-contained operation is within a fiberglass equipment enclosure located to the side or behind the melting tank. The equipment enclosure provides some noise reduction, equipment security and improved maintainability.

Main components in the equipment enclosure include an electric direct drive centrifugal combustion air blower, the Natural Gas valve train, and a panel containing the safety and control system which provides fully automatic operation by computer control and includes a graphical operator interface terminal. Remote data communications provide remote trouble shooting and software upgrade capability, and with an annual subscription will allow the customer to view historical and current operating data via a Trecan web server / database application.

Also included are all necessary internal and external lighting and indication for safe operation.

Other options include: diesel or jet fuel fired unit, immersion heaters, gas compressor package, CO monitoring equipment, stainless steel melting tank, additional noise reduction, anti-foam chemical feed system, sand removal system.

The following are not supplied by Trecan: concrete pit construction, gas piping to equipment package, water supply and discharge piping to melting tank, fused power supply to control panel. Also the unloading, mounting, installation and field connection should be handled by the local general contractor.

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

Trecan Snowmelters

ISO 9001:2000 Certified

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:

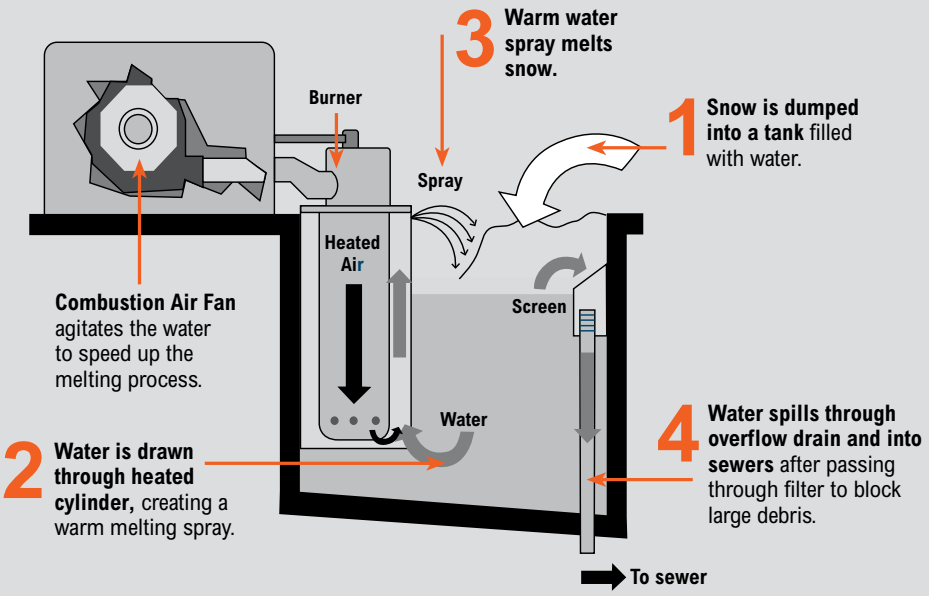
- **#1** in Snowmelters Worldwide
- **35+** Years Experience
- **100%** Performance Guarantee
- **500+** Installations Worldwide
- **#1** in Quality Assurance
- **24/7** Remote Diagnostics
- **9** Portable Models
- **10+** Stationary Models

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.

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

TELEMET
Efficiency Through Simplicity™

Advice, spare parts and service

Telemet · Office in Chile

Los Canteros 8723, La Reina, Santiago 7880414, Chile

Phone +56 22 356 2735

info@telemet.com

telemet.com