

TRECAN MODEL 20-SG STATIONARY SNOWMELTER

DATA SHEET

<u>SPECIFICATIONS:</u>	Rated Capacity:	20 tons/hr (Equivalent to 50 – 100 cu. yards/hr average snow density of 15-30-lbs/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)

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).

Options

1. Gas compressor package with fiberglass enclosure.
2. Pilot internal electric heater (extreme climate).
3. CO monitoring equipment (mounts to gantry).
4. Pit (or tank) electric immersion heater(s).
5. Noise reduction package.
6. Steel or stainless steel melting tank.
7. Stainless steel weir tube.
8. Safety bollards.
9. Remote PLC communications.
10. Anti-foam chemical feed system (for glycol contaminated snow).
11. Sand removal system (various types).
12. Installation supervision.

Not Supplied by Trecan

1. Pit construction. (Trecan should review Drawing.)
2. Gas piping to equipment package.
3. Water supply for filling pit prior to operation.
4. Fused power supply to control panel.
5. Unloading, mounting/installation and field connections.



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