

# Equipment Specification Sheet



## Trexel® Series II Satellite SCF Delivery System

Trexel Series II Satellite SCF Delivery Systems are industrial machines intended to be used to provide CO<sub>2</sub> or N<sub>2</sub> to extruders or injection molding machines being employed in the MuCell® processing of plastics. These systems have been designed to provide accurately metered SCF into extruders or injection molding machines at delivery pressures of up to 4,000-psi (275 bar), and to interface with Trexel SCF Systems with integral pumps. The systems must be supplied with either CO<sub>2</sub> or N<sub>2</sub> at a minimum of 6500-psi.

The major components of Trexel Series II Satellite SCF Delivery Systems include a pre-metering pressure regulator, a mass flow element, an E/P converter, and a PLC controller with a multilingual touch screen. The PLC controller allows for serial communication, remote operation, and tie-in with statistical process control programs, and controls every variable necessary to maintain flow rate. All plumbing and electrical connections are located on the rear panel of the machine. All user wiring is external to machine.

### System Specifications

Model	SII – S
N <sub>2</sub> Maximum Flow @ 4000-psi (lb/hr) (kg/hr)	41.6 18.9
Maximum Flow @ 4000-psi (lb/hr) (kg/hr)	65.0 29.6
Minimum Supply Pressure (psi) (bar)	6500 448
Maximum Supply Pressure (psi) (bar)	8,000 551
Overall Dimensions (inch) (cm)	24W x 51 H x 27 D 61 W x 130 H x 69 D
Footprint Dimensions (inch) (cm)	24 W x 51 H x 24 D 61 W x 130 H x 61 D
Weight (lb) (kg)	300 136
Required Utilities	
Electricity to System	230/110 VAC, 1Φ, 50/60 Hz
Air Flow to System	<5 SCFM (<141 NLM)
Air Pressure to System	90-psi (6.2 bar) Minimum 150-psi (10.3 bar) Maximum

