



“Inject-a-Cure”

Turf Solution Injection Systems

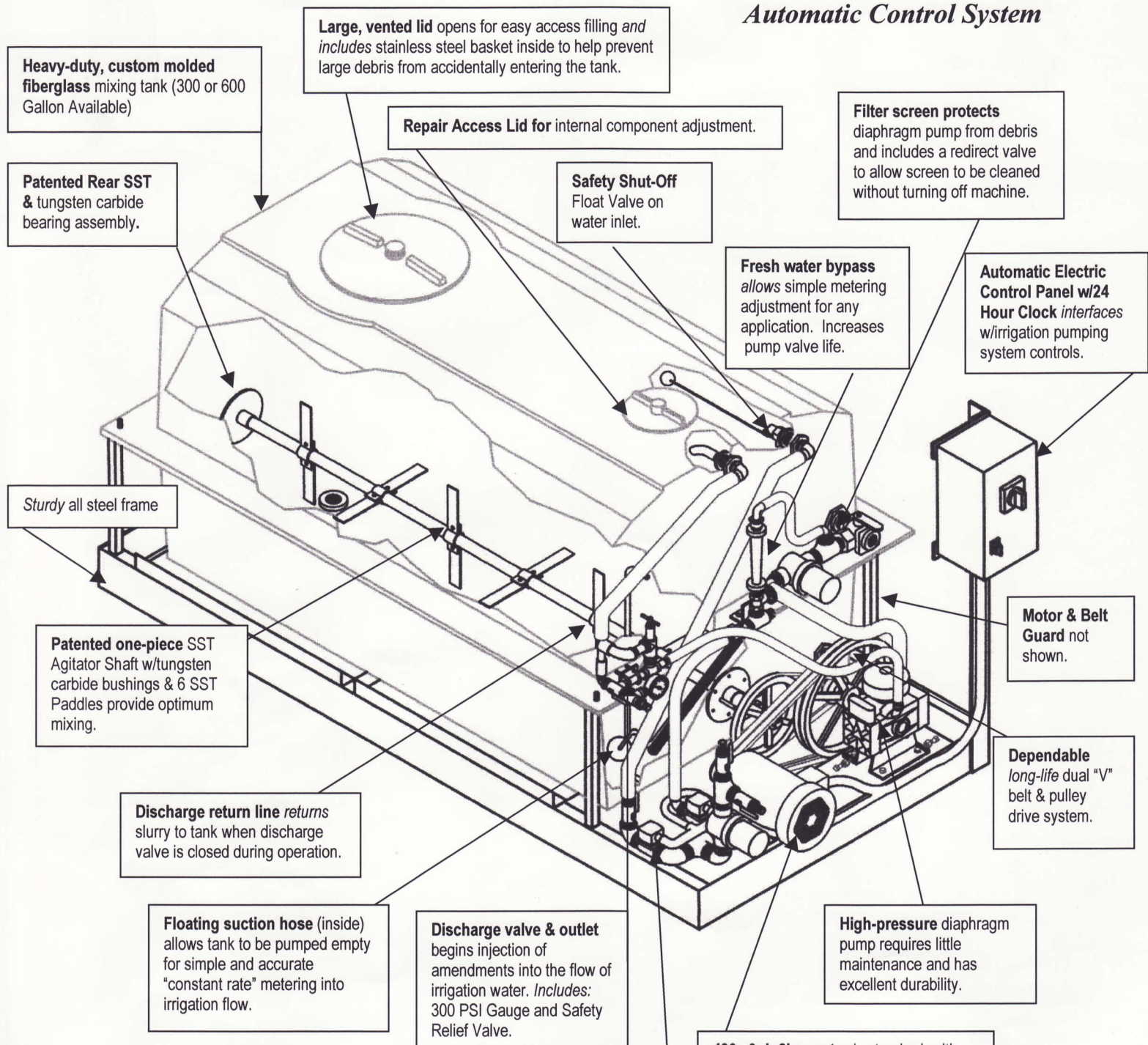
By SDI



The Turf “Inject-a-Cure” by SDI quickly cures water and soil problems on your golf course by mixing water and solution grade gypsum and/or soluble soil amendments into an enriched slurry; which is injected into the irrigation watering system.

Inject-a-Cure Equipment Features:

Turf Model IC300-6E2M-TURF And Model IC600-6E2M-TURF Automatic Control System



Heavy-duty, custom molded fiberglass mixing tank (300 or 600 Gallon Available)

Large, vented lid opens for easy access filling and includes stainless steel basket inside to help prevent large debris from accidentally entering the tank.

Repair Access Lid for internal component adjustment.

Filter screen protects diaphragm pump from debris and includes a redirect valve to allow screen to be cleaned without turning off machine.

Patented Rear SST & tungsten carbide bearing assembly.

Safety Shut-Off Float Valve on water inlet.

Fresh water bypass allows simple metering adjustment for any application. Increases pump valve life.

Automatic Electric Control Panel w/24 Hour Clock interfaces w/irrigation pumping system controls.

Sturdy all steel frame

Motor & Belt Guard not shown.

Patented one-piece SST Agitator Shaft w/tungsten carbide bushings & 6 SST Paddles provide optimum mixing.

Discharge return line returns slurry to tank when discharge valve is closed during operation.

Dependable long-life dual "V" belt & pulley drive system.

Floating suction hose (inside) allows tank to be pumped empty for simple and accurate "constant rate" metering into irrigation flow.

Discharge valve & outlet begins injection of amendments into the flow of irrigation water. Includes: 300 PSI Gauge and Safety Relief Valve.

High-pressure diaphragm pump requires little maintenance and has excellent durability.

480v 3ph 2hp motor is standard, with many others available. (Built-in sunshade extends motor life - not shown).

Electric Fill valve opens to allow fresh water in to fill tank and pre-dilute output slurry.

| | <u>600 Gallon</u> | | <u>300 Gallon</u> | |
|--------------------|-------------------|--------|-------------------|--|
| Dimensions: | 109" | Long | 84" | |
| | 51" | Wide | 44" | |
| | 53" | High | 44" | |
| Weight: | 850 | Pounds | 430 | |

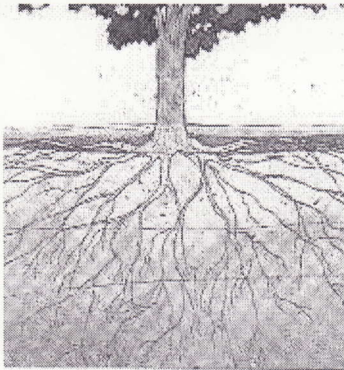
Inject-a-Cure Advantages:

- Manufactured by SDI and distributed through SDI's world wide Turf Dealer Net Work, providing professional – local service and repair.
- Designed specifically to handle abrasive solutions with a minimum of wear and very low service cycles.
- Horizontal, mechanical agitation with six stainless steel paddles (equally opposed) provides optimum mixing.
- Patented tungsten carbide agitator bearings are grease free and maintenance free – other bearing systems may require daily greasing or use high-maintenance gearboxes.
- Electrical control panel is weather-proof, compact and has external start/stop control knobs; plus a 24 hour time clock, for easy interfacing with any irrigation pumping system.
- Easy calibration via the adjustable fresh water flow meter also saves wear on pump valve, because the fresh water is injected directly into the pump suction just prior to the pump.
- SDI's simple, trouble free 1" floating suction assembly provides optimum results without the problems and high maintenance of the large, bulky quiescent zone extractor type of suction assembly.
- Safety pressure relief valve prevents system damage if the injection line is closed during the injection cycle.
- Dual "V" Belt pump drive, as used on the "Inject-a-Cure", is trouble-free and lower maintenance than a gearbox type drive.
- Safety shut off ball float on tank fresh water inlet prevents tank over-flow if electric fill valve fails to shut off.
- Long life, heavy-duty custom molded fiberglass tank with white gel coat exterior. Select either 300 or 600 gallon size.
- Proven high pressure, 6 GPM diaphragm pump, very reliable, low maintenance.
- 2 HP 240/480 Volt, 3 PH electric motor – has adequate power to power the "Inject-a-Cure" efficiently.
- Fiberglass belt guard and motor weather shield is standard.

The SDI "Inject-a-Cure" Solution System

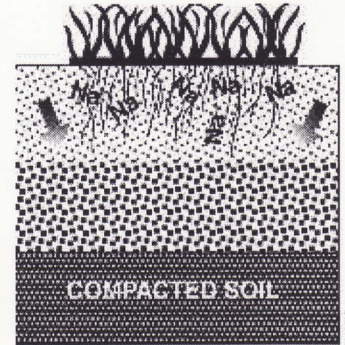
Using the Inject-a-Cure to apply various amendments into irrigation water, helps *cure* many water and soil problems:

Unhealthy Tree/Vine

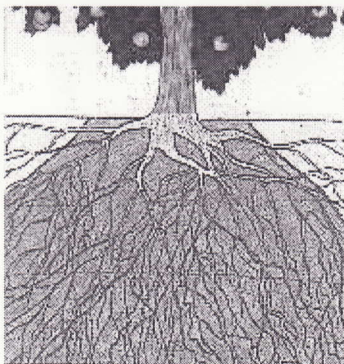


The use of calcium deficient or poor quality effluent water high in sodium causes poor crop/plant production and quality.

Unhealthy Turf Grass

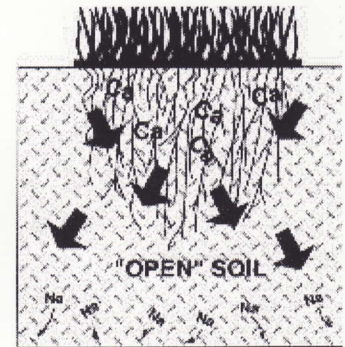


Healthy Tree/Vine



Use the "Inject-a-Cure" to treat your irrigation water with gypsum and greatly *improve* crop/plant production and quality.

Healthy Turf Grass



Gypsum, one of the many amendments applied through the SDI "Inject-a-Cure" Modifies soil alkalinity, Lowers high PH – *improves* acid soils, Raises low PH – leaches harmful sodium from the soil – Creates improvement in overall soil structure and tilth – *Decreases* compaction, hard pan or wet spots – Provides calcium sulfate, a much needed soil nutrient – and because of all of the above, gypsum *promotes decreased* water usage resulting in water savings.

- Other Soil Amendments used in the Inject-a-Cure:
- Ammonium Sulfate -----Nitrogen & Sulfur
 - Calcium Nitrate -----Nitrogen & Calcium
 - Limestone-----Calcium
 - Humic Acid-----Organic Acids
 - Iron Sulfate-----Iron & Sulfur
 - Magnesium Sulfate-----Magnesium & Sulfur
 - Potassium Nitrate-----Potassium & Nitrogen
 - Potassium Sulfate-----Potassium & Sulfur
 - Micronutrients-----Copper, Iron, Maganese