

APPLICATIONS

PUMPS



Photo compliments of Rogers Innovative Inc., Saskatoon, Saskatchewan

POLYMER INJECTION GOLF COURSE AERATION

File No. 223

Section 3

PROBLEM:

Golf course greens, fairways, and tee boxes suffer from burnup or dry out, due to lack of oxygen caused by high traffic compression and heat stress.

SOLUTION:

A portable CAT PUMP powered system provides fast aeration to compacted and heat stressed, high traffic greens, tee boxes and fairways.

SPECIFICATIONS:

CAT PUMPS Model.....	3507
Pressure	5000 PSI
Flow	9 GPM
Temperature	Ambient
Fluid	Water/Polymer
Duty Cycle.....	Intermittent
Drive	Hydraulic PTO

BENEFITS:

- Low capital investment and operating cost.
- Fast and easy, ride-on, one-man operation.
- No downtime or lost income with immediately playable surface.
- Reduced water and chemical consumption.
- Immediate, effective relief for stressed turf.

OPERATION:

Golf course greens, tee boxes, and fairways suffer the adversities of compaction and heat stress. Aeration and liquid volume injection provide an economical solution to this problem.

Injection of a liquid directly into the root zone from .5" to 8" deep will provide immediate relief. Multiple orifice nozzle tips are spaced 3" apart and can be adjusted on-the-go through an electronic controller. Adjustments can increase the frequency of jetting in 1" to 6" of travel.

Fluid is fed to the pump from a portable 100 gallon tank mounted above a set of rollers. These two 48" width rollers smooth the turf surface after the injection, leaving no surface contamination and permitting immediate grounds use.

“Customer confidence is our greatest asset”

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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