



SUBAIR SPORT HEATS UP IMPROVED FIELD TURF...JUST IN TIME FOR FOOTBALL SEASON

Moving hot air beneath grass surface helps cold-weather sites remain playable, safer

Graniteville, S.C. (August 28, 2018) – The soil control innovators at SubAir Systems love football, but they don't see any reason for there to be another "Ice Bowl" like the 1967 NFL Championship Game.

With its recent introduction of a subsurface heating process built into all SubAir Sports Systems for turf fields, SubAir is virtually eliminating "the frozen tundra" from all sports – football, soccer and even baseball.

The new SubAir Sport Heated Air System – which delivers hot air through the drainage system into the soil – can increase the temperature of the soil up to 20 degrees Fahrenheit. Combined with SubAir's specialized technique that literally vacuums moisture from soil prior to heating, the procedure significantly alters the impact of temperature extremes and helps maintain a healthier and more playable turf.

SubAir Sport Heated Air Systems already are in place on Major League Soccer stadium fields used by the Colorado Rapids in Denver and Real Salt Lake in Salt Lake City, as well as in the NFL at the New England Patriots practice facility and for Major League Baseball at Citi Field, home of the NY Mets.

By connecting to the field's underground drainage network, the SubAir System mechanical components, which consist of custom-designed fans, blowers, vents and water separator, are installed away in a dedicated mechanical room beneath, normally the stadium seating. The drainage super system operates in two modes: vacuum mode, which pulls moisture out of the

soil; and pressure mode, which circulates air through the subsurface up into the turf. The SubAir process speeds up drainage 36 times faster than natural drainage alone.

It also differs from “hydronics” – the process of running heated water through the underground pipes to melt frozen sports fields – which has been in use for years and does not remove the subsurface moisture that freezes into solid turf. Hydronics also does not remove surface moisture from ice or snow, so saturated fields become muddy and unstable.

The new SubAir Sport Heated System – featuring the addition of a furnace component – can alleviate issues that hydronics alone cannot.

First, moisture is pulled out of the entire field (surface, subsurface, rootzone and gravel layers). Then, air heated by the furnace is circulated through the subsurface up into the turf. If frozen, the ground does not re-freeze and the turf holds in place.

Other benefits of the SubAir Sport Heated Air process include extending the growing season by stimulating earlier growth in spring and continuing growth in late fall/winter, and handling frost removal to stabilize growing temperatures and protect against sudden temperature drops. To achieve maximum results from forced-air heating, the use of “grow covers” traps the heat so it doesn’t escape.

Also, through SubAir’s proprietary TurfWatch® Technology, operation commands can be customized to control comprehensive monitoring of all soil data, ensuring soil temperatures are maintained within a desired range.

Other TurfWatch® features include online connections so the field/turf manager can review and adjust system operations, customize operations schedules, integrate hydronic heating system operations, equipment diagnostics, remote support service, and cloud storage of data. The “GameReady Scheduler” feature enables presetting soil conditions dependent upon game or event times.

For additional information, access www.subairsystems.com.

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About SubAir Systems

SubAir Systems is the leading designer, developer, and manufacturer of subsurface aeration and moisture management systems that moderate and control subsoil environmental conditions. Benefiting all types of grasses in most climates, SubAir Systems support the overall health of the turf, virtually eliminating diseases while maintaining the continuous, consistent growth of deep rooted, resilient, healthy green grass.

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