

Buffalo HT Fan has the solution



Buffalo HT Fan rebuilds Class 1,850°F Type FF, FCZ, and FC gas-tight plug fans to like new condition.

- A well known brass manufacturer utilizes special design “tri-spoke” type forward curved (FC) plug fans to recirculate furnace gases inside a vertical strand annealing furnace. The fans operate at two (2) speeds, and temperatures up to 1,850°F.

- These fans are AMCA Arrangement 2A inert gas purged units with water cooled and insulated nose sections. The fan wheel and shaft assemblies are built using a deep bored water cooled shaft that utilizes a rotating union.

- The original design of these plug units will result in the unpredictable failure of the cooling section at some point in time. The top picture shows a failed unit prior to repair.

Buffalo HT Fan has rebuilt many of these plug fans with a significantly improved design that will greatly extend the life of the plug unit.

- Buffalo HT Fan has developed a standard repair procedure specifically for overhauling these plug fans.

It includes the complete teardown and rebuild of the unit. New bearings and seals are installed. The insulated nose and cooling components are replaced. The wheel and shaft are cleaned, inspected, analyzed, and repaired or replaced as required.

The wheel and shaft assemblies are statically and dynamically two plane balanced to ISO Balance Spec. G2.5 (for turbines, - a smoother tolerance than for fans) to ensure the smoothest possible operation.

- A typical completely restored and upgraded unit is shown in the bottom picture ready for shipment back to the customer.



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For properly repaired plug fans that provide extended life, call us today. We can help.

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Your best source for engineered OEM replacement fan equipment, fan repair & rebuilding, & dynamic balancing.