

HOT AIR CURING

COMPOSITE HCS2041 SERIES

*The Most Dependable
Equipment in the
Composite Repair Industry!*



This Portable Hot Air Composite Curing System fills an important gap in composite repair techniques by applying heat to difficult shapes or hard to reach areas. Primary applications are composite repairs, secondary bonding, and modifications to composite structures. Powered and controlled by a Hot Bonder, it provides even heating of contoured surfaces and can be effectively used in place of standard silicone rubber heat blankets.

Applications are constantly evolving, so call for the latest developments.



HCS2041-01 NSN: 4920-01-462-4759

Power - 1800W
Input - 110 / 120V
Coverage Area - 19in x 19in (48cm x 48cm)

HCS2041-02 NSN: 4920-01-462-4768

Power - 3000W
Input - 220 / 240V
Coverage Area - 24in x 24in (61cm x 61cm)

HCS2041-03

Power - 6000W
Input - 220 / 240V
Coverage Area - 30in x 30in (76cm x 76cm)

A typical procedure involves vacuum bagging the repair area and placing thermocouples in strategic locations. A second bag, and the supplied insulation shroud, is then applied to make a tent which fills with hot air. To provide consistent temperature, hot air enters the tent through a controllable diffuser and may be recirculated by way of a return hose. The system is easy to set-up and operate; it includes the hot air generator as well as high temperature hoses, an air diffuser and insulation shrouds. It will heat an approximate surface area of up to 30in x 30in (76.2cm x 76.2cm) at 250°F (121°C) with ease. It is capable of heating a larger area at higher temperatures, depending on the application.

FEATURES:

Size - 22in x 8in x 6.5in (55.39cm x 20.3cm x 16.5cm)
Weight - 9 lbs (4kg)
Safety - Internal High Limit
Plant Air - 80psi / 4CFM

REPLACEMENT PARTS:

Description	Part Number	Details
Hose, Silicone Rubber/Wire	HCS2041-01-001	.075in ID x 4ft (1.9mm x 1219.2mm)
Hose, Silicone Rubber/Wire	HCS2041-01-002	2.5in ID x 2.5ft (6.35cm x 76.2cm)
Clamp, Stainless Steel	HCS2041-01-003	Small Hose
Clamp, Stainless Steel	HCS2041-01-004	Large Hose
Tube, Aluminum	HCS2041-01-005	Hot Air Diffuser 24in (60.96cm)
Clamp	HCS2041-01-006	Diffuser Tube
Tape, Insulation	HCS2041-01-007	Fiberglass Diffuser Tube, 10ft (3.05m)
Shroud, Insulated	HCS2041-01-130	11in H x 16in D (27.94cm x 40.64cm)
Shroud, Insulated	HCS2041-01-131	12in H x 22in D (30.48cm x 55.88cm)

