



PROTECTION FROM FRONT WALL BURNOUT

Vacuum forming yields a one-piece, seamless ceramic combustion chamber that is capable of withstanding temperatures of 2,300F°.

The one-piece seamless design extends from the diesel burner flange, through the burner box front wall and extends 3" into the burner box.

Combustion chambers fabricated by seaming together multiple-pieces of insulation with caulk are not designed to withstand the heat required to recycle asphalt millings:

1. Over time, heat will break down the caulk causing the combustion chamber to fail at the seams;
2. An excessive amount of heat is conducted through the seams to the lower portion of the front hopper wall causing damage to the steel.

LOWER CARBON EMISSIONS & FUEL USAGE

One-piece seamless combustion chamber yields a **92% combustion efficiency** resulting in:

1. Lower carbon and NOX emissions;
2. Lower fuel usage - uses less than 3 gallons of fuel per 8-hour shift;
3. Less sooty waste by-product responsible for dirty cad cell condition.



Diesel Burner Flange

Burner Box Front Wall

The Falcon One-Piece, Seamless Ceramic Combustion Chamber

1. PROTECTION FROM FRONT WALL BURNOUT
2. LOWER CARBON EMISSIONS & FUEL USAGE