

Short stack kit

for the Open Flanges setup

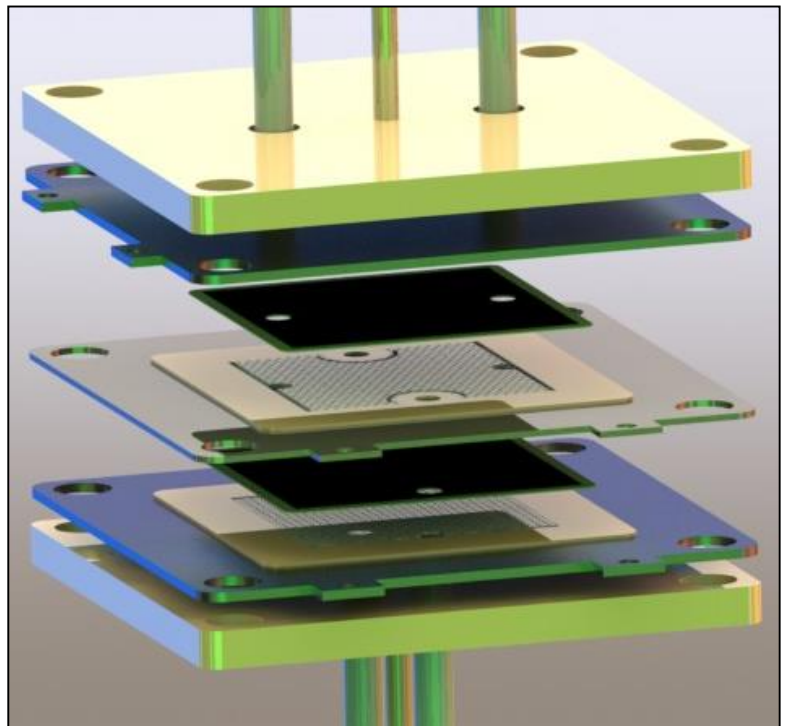
Just stack it by assembling your cells, interconnects and sealings. The kit can also be delivered mounted, ready to use

Stack parameters such as flow distribution, electrical contact resistance, protective coating against chromium evaporation *in situ* fuel processing and sealing tightness can be independently characterized and optimized

Combination of ideal and real stack conditions, for instance Crofer steel on anode and gold mesh on cathode

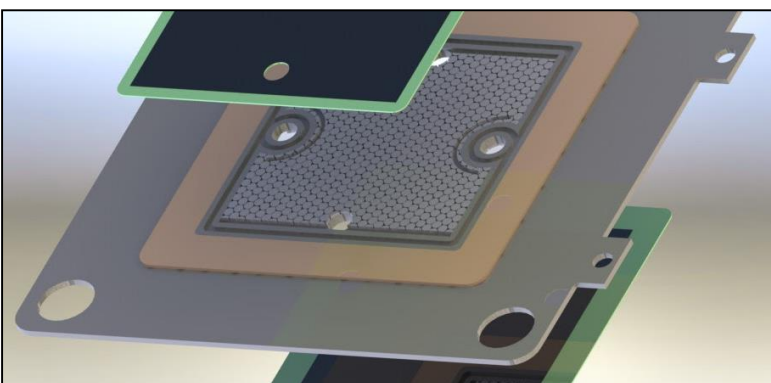
Available in Crofer 22H from stock or other materials (ferritic steels, nickel or copper) on request or provided from customer

Inlet/outlet: Inconel 600 or pure alumina tube to avoid tar formation and/or chromium poisoning



Assembly of two cells in the short stack kit. The 6 mm end plates allow to squeeze the stack and to ensure the flatness of the interconnects

Two standard interconnects available from stock for 50x50 mm square cells with internal manifold



Other interconnects design on customer's request: cell shape (square, disc or rectangular), dimension (up to 60x80 mm or 80 mm in diameter), pattern structure and flow distribution, internal/external manifold. The interconnects are chemically grooved

Easily dismountable sealing with commercial soft mica. Possibility to use glass or other sealants