

Kelvion

Cooling solutions for the entire value chain of
HYDROGEN



PRODUCTION & PRODUCTION UPSCALING



Air Fin Coolers

High performance tube technology



Cooling Towers

Smallest footprint



Desublimators

Unique technology for carbon capture



Heat recovery

Wide range & experience

DISTRIBUTION



K°Bond

Diffusion bonded heat exchanger with highest pressure resistance

INTEGRATED SOLUTIONS & UTILIZATION (FUEL CELLS)



Customized and integrated solutions beyond heat exchangers

Olivier ROBERT
Director Global Sales Solutions Hydrogen
Kelvion Thermal Solution
Mob/+33(0)643959126
olivier.robort@kelvion.com

Kelvion



We offer solutions for



HYDROGEN ELECTROLYSIS



HYDROGEN REFUELING STATIONS

Contact me for more information



Kelvion

K°BOND FOR HRS



Heat exchange coefficient

Gas / Liquid : up to 4,000 W/m²K

Liquid / Liquid : up to 10,000 W/m²K

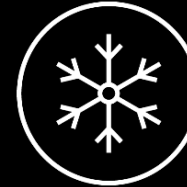
Heat exchange area

from 700 to 1,400 m²/m³

(depending on the design pressure)



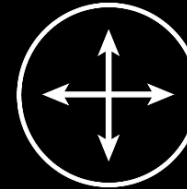
**Optimized
KELVION
Design**



**Cooling medium
Therminol D-12,
Fragotherm or
CO₂, etc ...**



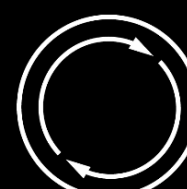
**Suitable for "T40
Cooling"
according to
SAE J2601**



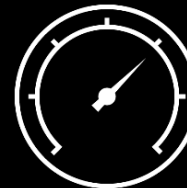
**Compact design,
(Can be installed
inside dispenser
unit)**



**Highest safety
level, without
leak risk**



**High resistance to
cyclic services**



**Design pressure
up to 1050 Barg**