

# HYDROGEN APPLICATIONS



## YOUR TRUSTED PARTNER IN DRIVING THE ENERGY EVOLUTION FORWARD.

A.R. Thomson Group Inc. is supporting the global decarbonization efforts through a broad range of products suited to alternative fuels. Our hydrogen compatible products and systems enable safe and efficient operation from vacuum to 1,380 bar (20,000 psi) and temperatures from -253°C to +538°C (-423°F to +1000°F).



## HYDROGEN APPLICATIONS UP TO 10,000 PSI

- Two Ferrule Tube Fittings - Superlok
- Needle Valves - SIN, SUN, SBNV
- Ball Valves - SBV120H, SBVF, BT
- Proportional Relief Valves - 5RVL
- Inline Filters
- Check Valves
- Excess Flow Shutoff Valves
- Tubing Alliema/Sandvik 316SS Seamless



## ON-BOARD VEHICLES

**EC-79  
CERTIFIED**

- Two Ferrule Tube Fittings - Superlok - EC-79 Certified
- High precision Ball, Needle & Check Valves - EC-79 Certified

## HYDROGEN APPLICATIONS UP TO 20,000 PSI

### BMT:

- Medium Pressure Fittings - Cone and Thread
- Medium Pressure Accessories and Adapters
- Medium Pressure Actuators
- Needle Valves
- Check Valves
- Relief Valves

## CRYOGENIC/LH<sub>2</sub> APPLICATIONS

- Globe Valves
- Gate Valves
- Ball Valves
- Needle Valves

## HYDROGEN COMPATIBLE SEALING SOLUTIONS

### Gaskets:

- CHEMLON® 7500
- CHEMLON® 7504
- CHEMLON® 7510
- ULTRAGRAF® - EFX
- Garlock® Gaskets
- Gore® GR Sheet Gasketing
- Gore® Universal Pipe Gasket (UPG)
- Kammprofile Gaskets (CANFLEX®)
- Spiral Wound Gaskets (CANFLEX®)

