

An Innovative Approach to Meet Your Sustainability Goals

All Metal Solutions – Precision Components – Advanced Welding Capabilities

Solutions You Can Trust

Benefits

- Proven above 1000 bar
- Low cost of ownership
- Uninterrupted performance

Hydrogen Compatibility

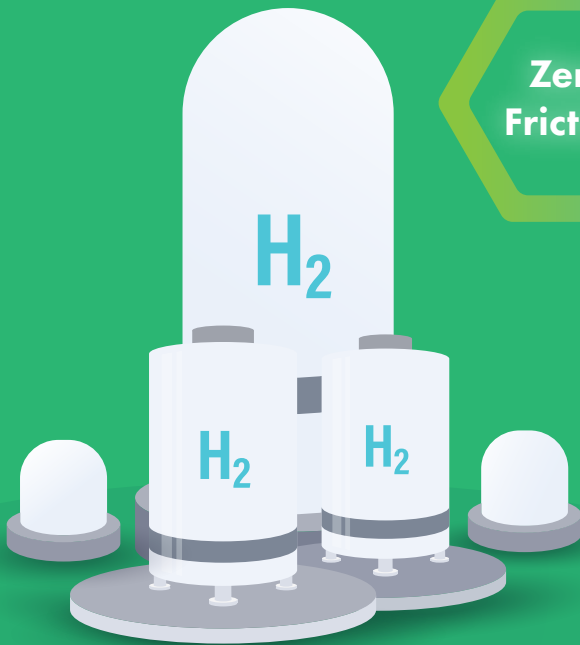
- Lifetime performance with NO degradation
- Designs can replace piston seals, plungers, and elastomeric diaphragms
- Provides all-metal hermetic barrier between materials

Clean Energy Strategy Targets

- Cooling – Reservoirs and Thermal Bypass Valves for Heat Exchangers, and Hydrogen Fuel Cells
- Sealing – Hydrogen compatible high-pressure dynamic sealing solutions
- Compression and Pumping – Industry-leading Hydrogen Isotope pumping systems
- Compensation – Sub-sea, deep well and high altitude aviation 'all metal' compensators



Edge Welded Bellows Technology for Hydrogen Applications



Zero Friction

Zero Wear

Zero Leaks

Zero Maintenance

SMB designs and manufactures innovative products utilizing our edge-welded bellows technology to provide safe and efficient handling of critical service fluids and gases in the most extreme conditions. We displace traditional methods of fluid and gas compression, containment and conveyance with our pumps, compressors, valves, seals, accumulators, and reservoirs.

All Metallic Sealing – “Sealed for life”



AXIAL

ANGULAR

LATERAL



Pumps & Compressors



Accumulators & Reservoirs



Actuators & Feedthroughs



Seals & Membranes

+ Hydrogen Compatible
+ Material Expertise

- Displaces Conventional Seals and Separators
- Handles Extreme Temperatures and Pressures
- Provides Hermetically Sealed Barrier

Work with Senior Metal Bellows to make your Energy Transition into the Hydrogen Economy

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