

Hy-Lok Solutions for Hydrogen Applications

Hy-Lok

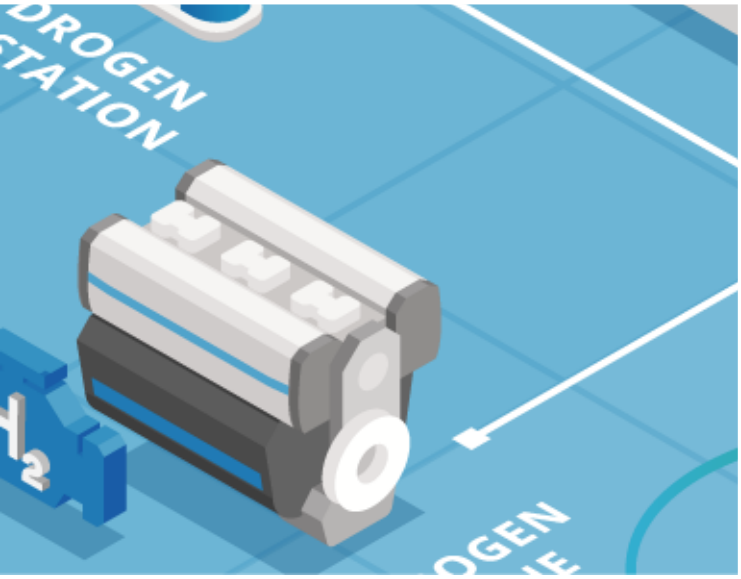
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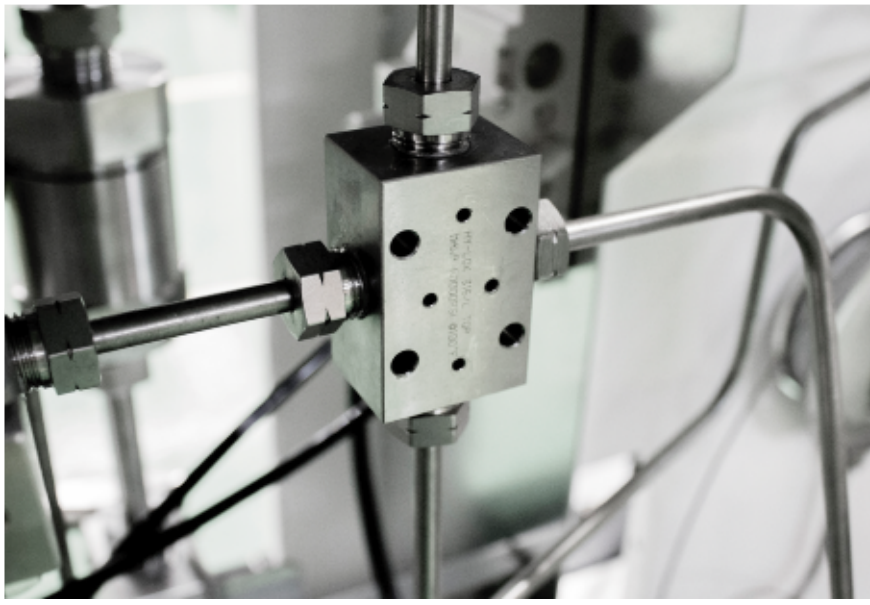
Hy-Lok was established in 1977 and has played a central role in the fluid & control industry. We are concentrating our capabilities on the field of "Tube Fitting, Valve and Package Solution", which is a strong and sustainable business foundation.

Hy-Lok hydrogen fittings and valves have completed reliable international certification, proving their excellent sealing performance even in high pressure environments. We are leading the future energy industry by supplying essential products for the global hydrogen energy industry, including hydrogen production, transportation, fueling stations, fuel cell power plants and etc.









APPLICATIONS


Hydrogen Reformer


Hydrogen Compressor



Hydrogen Station


Hydrogen Dispenser



Hydrogen Train



Hydrogen Power Plant

PRODUCTS



Hy-Lok Tube Fittings

- Compression double ferrule
- Easy installation and re-assemblies
- Vibration resistance
- Complete interchangeability
- Gaugeability
- No special tools required
- ASTM F1387
- EC-79 certified (Issued Compliance Statement by RDW)

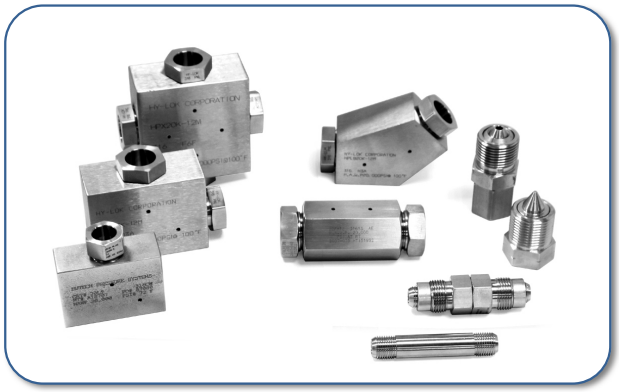
Size	Max. Working Pressure	Temperature	Material	Catalog No.
1/4 to 1 inch	6,000 psig (413 bar)	-320°F (-196°C) to 1000°F (537°C)	Stainless Steel	H-200TF



O-Ring Face Seal Fittings

- O-ring face seal design
- According to SAE J1453/ISO8434-3
- High pressure applications available
- EC-79 certified

Size	Max. Working Pressure	Temperature	Material	Catalog No.
1/4 to 3/8 inch	10,150 psig (700 bar)	-40°F (-40°C) to 185°F (85°C)	Stainless Steel	H-280OF



HP Series High Pressure Fittings

- Cone and thread connection design
- Easy installation & disconnection
- All-metal sealing construction
- Extremely high working pressure & high temperature available
- A small weep hole for easier leakage verifications

Size	Max. Working Pressure	Temperature	Material	Catalog No.
1/4 to 1 inch	Medium Pressure 20,000 psig (1,378 bar)	-320°F (-196°C) to 1000°F (537°C)	Stainless Steel	H-100HP
1/4 to 9/16 inch	High Pressure 60,000 psig (4,136 bar)			



HP Series High Pressure Needle Valves

- Cone and thread connection design
- Non rotating stem and bar stock body design
- Options for Vee or Regulating stem tip
- Bi-directional flow capability
- A small weep hole for easier leakage verifications
- Certified KS B ISO 19880-3

Size	Max. Working Pressure	Temperature	Material	Catalog No.
1/4 to 9/16 inch	20,000 psig (1,378 bar)	-100°F (-73°C) to 600°F (316°C)	Stainless Steel	H-HPV



HP Series High Pressure Check Valves

- Cone and thread connection design
- Prevents reverse flow
- Nominal cracking pressure : 15 psig (1 bar)
- A small weep hole for easier leakage verifications
- Certified KS B ISO 19880-3

Size	Max. Working Pressure	Temperature	Material	Catalog No.
1/4 to 9/16 inch	20,000 psig (1,378 bar)	-65°F (-54°C) to 250°F (121°C) with soft seats	Stainless Steel	H-HPV



NV Series Integral Bonnet Needle Valves

- Compact integral bonnet design
- Saving space, installation cost and reducing weight
- Positive leak tight shut-off design
- Quick & easy maintenance
- 2-piece chevron packing provides improved sealing performance

Size	Max. Working Pressure	Temperature	Material	Catalog No.
1/4 to 3/4 inch	6,000 psig (413 bar)	-65°F (-54°C) to 600°F (316°C)	Stainless Steel	H-100NV



105 Series High Pressure Ball Valves

- Best suited for high pressure applications
- Robust bar stock body (2-way straight, 3-way switching)
- Compact 3-piece design (Various end connections)
- Floating ball design provides leak tight shut-off under pressure
- Panel mounting and locking device available

Size	Max. Working Pressure	Temperature	Material	Catalog No.
1/4 to 1 inch	6,000 psig (413 bar)	-100°F (-73°C) to 500°F (260°C)	Stainless Steel	H-105BV



SO Series Swing Out Ball Valves

- Quick & easy maintenance with valve in-line
- Welding connections applications available
- Chevron stem packing provides low operating torque & increased life cycle
- Various handle type (Lever, Oval, Extended handle)
- Quick quarter turn actuation available

Size	Max. Working Pressure	Temperature	Material	Catalog No.
1/4 to 1 inch	2,200 psig (151 bar)	-20°F (-28°C) to 450°F (232°C)	Stainless Steel	H-SOBV

GLOBAL SERVICE NETWORKS



Hy-Lok (HQ)
South Korea / Busan
TEL. +82-51-970-0800
info@hy-lok.com

Hy-Lok USA
USA / Houston
TEL. +1 832 634 2000
sales@hylokusa.com

Hy-Lok China
China / Shanghai
TEL. +86 21 6230 8533
info@hy-lokchina.com

Hy-Lok Distribution Inc.
Canada / Edmonton
TEL. +1 865 509 4484
info@hylok.ca

Hy-Lok Asia
Singapore
TEL. +65 6 862 8811
hylok@singnet.com.sg

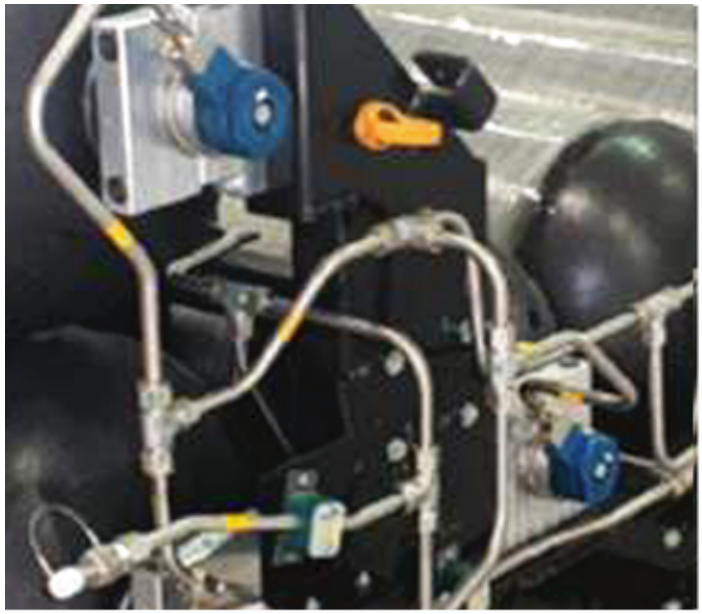
Hy-Lok Europe
Netherlands / Hoogeveen
TEL. +31 528 23 4084
sales@hy-lok.eu

Hy-Lok India
India / Mumbai
TEL. +91 98 7325 2238
sanjeev@hy-lok.com

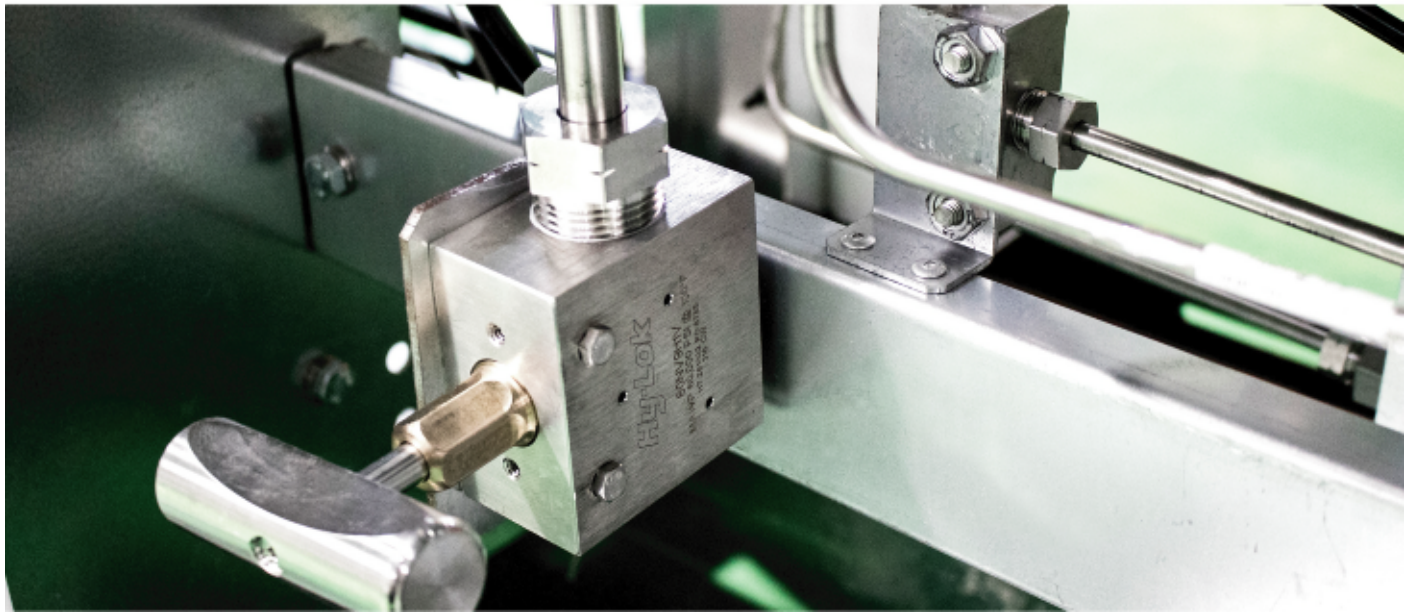
Hy-Lok Nigeria
Nigeria / Lagos
TEL. +234 1 4621 606
info@hy-loknigeria.com

Hy-Lok Oceania
Australia / Melbourne
TEL. +61 3 9334 5700
sales@hylok.com.au

Hy-Lok Middle East
UAE / Dubai
TEL. +971 4 882 3018
manju@hy-lok.com







Hy-Lok

97, Noksansandan 27-ro, Gangseo-Gu, Busan, Korea
TEL. +82-51-970-0800 / FAX. +82-51-831-7920
info@hy-lok.com

www.hy-lok.com