



## DK-Lok Products For Hydrogen Applications



### Mission Statement

At DK-Lok, we envision a future where hydrogen emerges as the premier alternative energy source, driving a sustainable, CO<sub>2</sub>-free world. Our vision is to lead the hydrogen application industry's transformation by pioneering innovative solutions that transcend traditional boundaries. DK-Lok is steadfast in our commitment to producing and supplying the highest quality instrumentation tube fittings, valves, metal flexible hoses, and manifolds, underpinned by continuous quality improvement and cost-effective production methods. With a deep-seated commitment to quality consciousness and customer orientation, locally and globally, DK-Lok is poised to lead the charge in shaping a sustainable future powered by hydrogen.

Hydrogen storage, transportation, and mobility technologies require highly reliable fluidic system components. DK-Lok provides optimal design to provide safe and reliable performance for products used in hydrogen services. DK-Lok products are provided for a variety of hydrogen system configurations, including supply, transportation, storage and charging, and mobility.

## Hydrogen Storage



## Hydrogen Transport



## Hydrogen Station



## Hydrogen Mobility

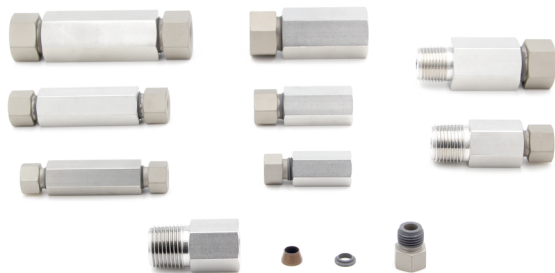


No.	Products	Description	Size	Certification
1	DK-Lok Tube Fittings	Straight, elbow, tee, and cross standard tube fitting	1/4" ~ 1" 6mm ~ 25mm"	EC79 (350 bar) / HGV3.1
2	HD Series ORFS O-Ring Face Seal Tube Fittings	Straight, elbow, tee, and cross Max. WP. 9,200 psig	1/4" ~ 1" 6mm ~ 25mm"	EC79 (350 bar) EC79 (700 bar) / HGV3.1
3	DKF Series Medium-Pressure Tube Fittings	Straight, elbow, tee, and cross Max. WP. 15,000 psig	1/4" ~ 3/4"	
4	VCH86 Series Ball Valve	413 bar (6000 psig) - 40 to 121°C (-40 to 250°F)	1/4" ~ 1" 6mm ~ 25mm"	KGS TEST REPORT 3/8"
5	VHG86 Series Ball Valve	413 bar (6000 psig) - 40 to 150°C (-40 to 302°F)	1/4" & 3/8" 6mm ~ 10mm"	KGS TEST REPORT 3/8"
6	VCH36 Series Check Valve	413 bar (6000 psig) - 40 to 85°C (-40 to 185°F) ethylene propylene Only	1/4" ~ 1/2" 6mm ~ 12mm"	NGV3.1
7	VX36 Series Excess Flow Valve	413 bar (6000 psig) - 40 to 85°C (-40 to 185°F)	1/4" ~ 1/2" NPT 1/4" ~ 1/2"	
8	V73 Series In-Line Filter	206 bar (3000 psig) - 40 to 85°C (-40 to 185°F)	1/4" ~ 1/2" NPT 1/4" ~ 1/2"	NGV3.1
9	V76 Series Tee Filter	413 bar (6000 psig) - 40 to 85°C (-40 to 185°F)	1/4" ~ 1/2" NPT 1/4" ~ 1/2"	NGV3.1



## DK-Lok Tube Fitting

- 1/4" ~ 1" & 6mm - 25mm OD
- ASTM F1387
- Heat-Code Traceability
- Reusable
- Gaugeable Feature
- Rolled Male Thread Construction
- EC-79 Certified [350bar]



## DKF Medium-Pressure Tube Fittings

- 1/4" ~ 3/4"
- Heat-Code Traceability
- Reusable
- Gaugeable Feature
- Rolled Male Thread Construction



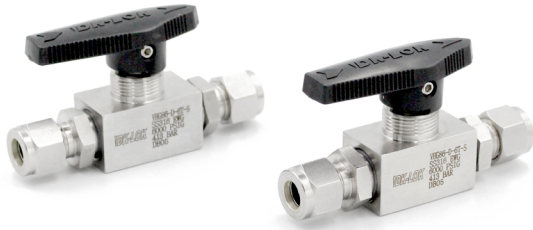
## HD O-Ring Face Seal Tube Fittings

- 1/4" ~ 1" & 6mm - 25mm OD
- O-Ring grooves design of SAE J1453 (Style "B")
- 90-degree expanded tubing
- EC-79 Certified [350bar & 700bar]



## VCH86 Alternative Fuel Ball Valve

- 1/4" ~ 1" & 6mm - 25mm OD
- 2-way on-off valves
- Dynamic seat design
- Orifice : 10.3 mm(0.406 in.)
- ECE R110 Certified



## VHG86 Multipurpose Ball Valves

- 1/4" & 3/8" & 6mm & 10mm OD
- 2-way on-off valves
- Compact design
- Spring loaded PEEK seats



## VCH36 Series Check Valves

- 1/4" - 1/2" & 6mm ~ 12mm OD
- Cracking Pressure : 1/3 to 25 psig
- Rolled Male Thread Construction
- NGV 3.1 Certified



## VX36 Series Excess Flow Valves

- 1/4" & 6mm OD & NPT 1/2"
- Designed to stop uncontrolled release of system media
- Valve open position(normal operation)



## V73 & V76 Series Filter

- V73 : 1/4", 6mm & NPT 1/2
  - Large Filtration area
  - Compact In-Line Design
- V76 : 1/4" ~ 1/2" & 6mm ~ 12mm
  - Filter can be replaced without removing the valve body
- NGV3.1 Certified