



DK-LOK® CNG / NGV Applications

DK-Lok works closely with a wide range of CNG/NGV OEM's who specialize in powered passenger and fleet transport vehicles.

These OEM's have recognized DK-Lok products as a reliable source for valve and fitting products. From source of energy, to transport, to fill station to vehicle, DK-Lok is your reliable source for CNG/NGV valve and fitting products. CNG and NGV applications require uniquely designed products that can function leak free under frequent fluctuations in pressure drop and temperatures ranging from – 40 to 120 °C.

DK-Lok ball valves, filters, bleed valves and receptacles provide a unique dynamic sealing design complete with specially developed CNG compatible seats and O-ring materials, which are superior and necessary versus conventionally designed static sealing valves.

DK-Lok Corporation holds the international certifications of ECE R110, ECE 67, CGH2, ISO 15500, ANSI/AGA, ANSI/IAS standards and regulations.



CNG Certifications Index

S. No.	Valve Series	Cert #	Standard
01	DK-LOK Tube Fittings	TUV Rheinland: AF-2009-0903_01	ECE R110 / 67-01 ISO 15500-19 / 15500-15916 ANSI / AGA NGV 3.1-1995, CGA NGV 12.3-M95 ANSI / AGA NGV 4.1-1999, CSA 12.5-M99 Draft ECE Compressed Gaseous Hydrogen Regulation, Revision 12b, 10/12/03 State of the art
		TUV SUD: 07-000026-PA-GMB-01	ECE Regulation No. 110 Compressed Gaseous Hydrogen(CGH2) Liquid Hydrogen(LH2)
02	VC86(BALL VALVES)	2010-CERT-001 (00)	ISO 15500-1:2000 / 15500-2:2000 / 15500-4:2000
		2010-CERT-002 (00)	ANSI / AGA NGV 3.1-1995 CGA NGV 12.3-M95
		2010-CERT-003 (00)	ANSI / IAS 4.6-1999 CSA 12.56-M99 (Class B)
		E13*110R00*110R00*0181*00	E13 110R-000181
03	VCT86(BALL VALVES)	2010-CERT-004 (00)	ISO 15500-1:2000 / 15500-2:2000 / 15500-4:2000
		2010-CERT-005 (00)	ANSI / AGA NGV 3.1-1995 CGA NGV 12.3-M95
		2010-CERT-006 (00)	ANSI / IAS 4.6-1999 CSA 12.56-M99 (Class B)
		E13*110R00*110R00*0184*00	E13 110R-000184
04	VCH86(BALL VALVES)	2010-CERT-007 (00)	ISO 15500-1:2000 / 15500-2:2000 / 15500-4:2000
		2010-CERT-008 (00)	ANSI / AGA NGV 3.1-1995 CGA NGV 12.3-M95
		2010-CERT-009 (00)	ANSI / IAS 4.6-1999 CSA 12.56-M99 (Class B)
		E13*110R00*110R00*0182*00	E13 110R-000182
05	VCT863(BALL VALVES)	2010-CERT-010 (00)	ISO 15500-1:2000 / 15500-2:2000 / 15500-4:2000
		2010-CERT-011 (00)	ANSI / AGA NGV 3.1-1995 CGA NGV 12.3-M95
		2010-CERT-012 (00)	ANSI / IAS 4.6-1999 CSA 12.56-M99 (Class B)
		E13*110R00*110R00*0185*00	E13 110R-000185
06	VCH36(CHECK VALVES)	2010-CERT-013 (00)	ISO 15500-1:2000 / 15500-2:2000 / 15500-3:2000
		2010-CERT-014 (00)	ANSI / AGA NGV 3.1-1995 CGA NGV 12.3-M95
07	RCQA(RECEPTACLES)	2010-CERT-015 (00)	ANSI / AGA NGV 1-1994 CGA NGV 1-M94
		E13*110R00*110R00*0187*00	E13 110R-000187
08	RCQB(RECEPTACLES)	E13*110R00*110R00*0195*00	E13 110R-000195
09	VBV(BLEED VALVES)	2010-CERT-029 (00)	ISO 15500-1:2000 / 15500-2:2000 / 15500-4:2000
		2010-CERT-030 (01)	ANSI / AGA NGV 3.1-1995 CGA NGV 12.3-M95
		E13*110R00*110R00*0197*00	E13 110R-000197
10	V76(FILTERS)	2010-CERT-031 (00)	ISO 15500-1:2000 / 15500-2:2000 / 15500-18:2000
		2010-CERT-032 (01)	ANSI / AGA NGV 3.1-1995 CGA NGV 12.3-M95
		E13*110R00*110R00*0196*00	E13 110R-000196
11	V64	HSBI-10-11045	Pressure Equipment Directive 97/23/EC

DK-LOK
Fittings & Valves
www.dklok.com

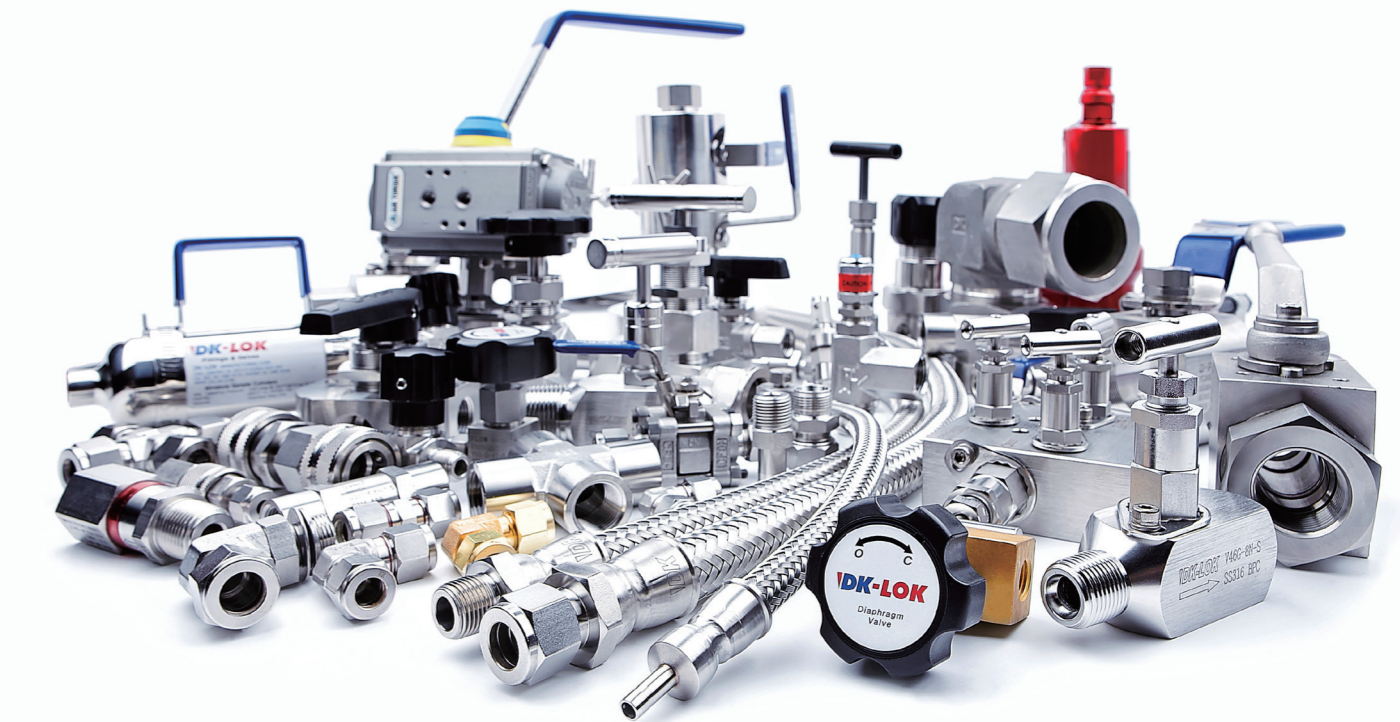
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DK-LOK® CNG/NGV Products Condensed Catalog



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Mission Statement

DK-Lok's mission is to create solutions by reducing development cycles to introduce new and customized products to fit the customer's specific needs through trust and close cooperation. DK-Lok is dedicated to the production and supply of the highest quality instrumentation tube fittings, valves, metallic flexible hoses and manifolds for customers across the globe. DK-Lok provides customer satisfaction through continuous quality improvement and cost effective methods of production. Quality consciousness and customer orientation are the basic principles of DK-Lok, locally and globally.

DK-LOK® CNG / NGV Ball Valves & Filters

Standard Features



- 1/16 - 2 in. OD.
- 2mm - 50mm OD.
- Heat-Code
- Traceability.
- Reusable.
- Gaugeable Feature.
- Rolled Male Thread Construction.
- Leak-free performance across all applications in heavy vibration, high thermal stress, extreme impulse, and vacuum application.

VR Series hook type

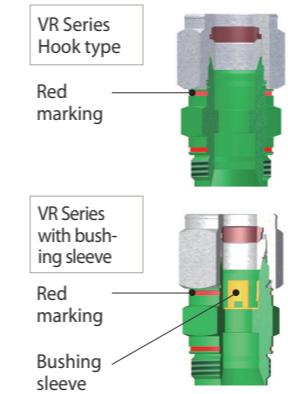


- 1/4 - 1 in. OD.
- 8mm - 25mm OD.
- Heat-Code Traceability.
- Vibration Resistant design (Patent No. 10-2012-0042936)
- 1-1/4 turn (spanner-tight) guaranteed by visible detection of veiled red marking.
- Gauge-unnecessary Feature.
- Reusable.
- Leak-free performance across all applications in heavy vibration, high thermal stress, extreme impulse, and vacuum application.

DK-LOK Tube Fittings Stainless Steel



VR Series with bushing sleeve



- 1/4 - 1/2 in. OD.
- 8mm - 12mm OD.
- Heat-Code Traceability.
- Error proofing design (Patent No. 10-2011-0130057)
- Reusable.
- Gauge-unnecessary Feature.
- Leak-free performance across all applications in heavy vibration, high thermal stress, extreme impulse, and vacuum application.

DK-LOK Tube Fittings K Series JIC



DK-LOK Tube Fittings Brass, Carbon Steel



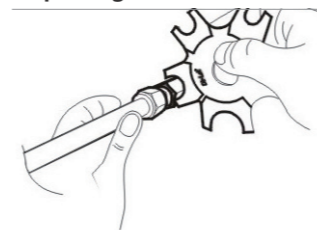
DK-LOK Tube Depth Marking Tool



DK-LOK Tubing Stainless Steel, Super Duplex, and 904L



DK-LOK Gap Gauge



DK-LOK Pre-Swaging Hand Tool



DK-LOK Hydraulic Swaging Unit



DK-LOK DES-1A Electric Swaging Unit



DK-LOK® CNG / NGV Ball Valves & Filters



- ### VC86 Series CNG/NGV Ball Valves
- Working Pressure : 274 bar@120°C
 - Dynamic seat design
 - DK-LOK 1/2 to 3/4 in. OD
 - Pipe thread : 1/2 to 1 in.



- ### V73/V76 Series Filters
- Working Pressure : 6,000 psig for V76 Series 3,000 psig for V73 Series
 - Stainless Steel
 - DK-LOK 1/8 to 1/2 in. OD
 - Pipe thread : 1/8 to 1/2 in.



- ### VCH86 Series Alternative Fuel Service Ball Valves
- 2-way on-off valves
 - Working Pressure : 274 bar@120°C
 - Dynamic seat design
 - Orifice : 12.0 mm(0.472 in.)
 - DK-LOK 3/8 to 1 in. OD
 - Pipe thread : 3/8 to 3/4 in.



- ### VCT86 Series Trunion Ball Valves
- 2-way on-off valves
 - 3-way switching valves
 - Working Pressure : 274 bar@120°C
 - Stainless Steel
 - DK-LOK 1/4 to 1/2 in. OD
 - Pipe thread : 1/8 to 1/4 in.

DK-LOK® CNG / NGV Check, Relief, Bleed & RCQ Valves



- ### VH36 Series High Pressure Check Valves
- Working Pressure : 6,000 psig
 - Cracking Pressure : 1/3 to 25 psig
 - Stainless Steel
 - DK-LOK 1/8 to 1 in. OD
 - Pipe thread : 1/8 to 1 in.



- ### V64 Series High Flow Relief Valves
- Working Pressure : 6,000 psig
 - Cracking Pressure : 15 to 5,500 psig
 - Orifice : 0.404 in. (10.26 mm)
 - Air, Gases, CNG, and Liquid
 - Pipe thread : 1/2 to 1 in.



- ### VVB Series Bleed Valves
- Working Pressure : 10,000 psig
 - Vent the signal line pressure to atmosphere to assist in calibration of control valves or multi-valve manifolds
 - Stainless Steel and Carbon Steel
 - Male pipe thread : 1/8 to 1/2 in.



- ### RCQ Series Receptacle
- Working Pressure : P30 : 3000 psig, 200 bar P36 : 3600 psig, 250 bar RCQB : 3900 psig, 273 bar
 - Up to 120°C (250°F)
 - DK-LOK 1/4 to 1/2 in. OD
 - Pipe thread : 1/4 to 1/2 in.

DK-LOK® CNG / NGV Ball Valves & Filters



- ### DF Series
- Bi-directional flow design
 - Up to 6000 psig
 - Stainless Steel and Brass
 - DK-LOK 1/4 to 1 in. OD
 - Male/Female 1/4 to 1 in. NPT



- ### Valve with Actuator
- Pneumatic Actuator
 - 90/180 degree actuation
 - Single and Double return



- ### VX36 Series Excess Flow Valves
- Bi-directional flow design
 - 3-way Diverter design
 - Stainless Steel
 - DK-LOK 1/16 to 1/2 in. OD
 - Male/Female 1/8 to 1/2 in. NPT



- ### VH86 Series Multi Purpose Ball Valves
- Working Pressure: 6000psig
 - Up to 204°C (400°F)
 - Designed to stop uncontrolled release of system media.
 - DK-LOK 1/4 to 1/2 in. OD
 - Pipe thread: 1/8 to 1/2 in.

DK-LOK® Instrumentation Pipe & Weld Fittings



- ### Thread & Weld Fittings
- Pipe Thread 1/8 - 1 in.
 - Tube Socket Welding 1/8 - 1 in.
 - SS316, Brass, and Carbon Steel



- ### 6K Thread Fittings for Over 1"
- Fixed Pressure Rating: 6 000 psig
 - Pipe Thread: 1 1/4, 1 1/2, and 2 in.
 - Stainless Steel