

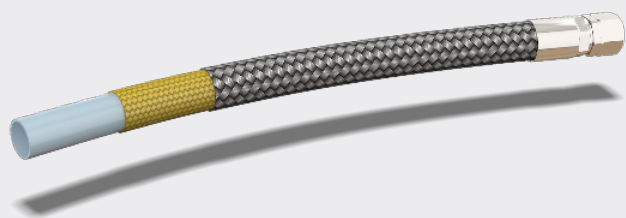


FLUID TRANSFER SYSTEMS

Kevlar Gas

Product Description

By using aramid in replacement of stainless steel we can reduce the weight of the hose whilst increasing the working pressure. This gives an extremely high pressure, low weight gas hose that has excellent flexibility.



Properties

Application	High pressure gas applications where low permeation rates are required
Design	Smoothbore gas quality PTFE tube with aramid braid and high tensile SS 304 braid
Inner layer	Gas quality smoothbore PTFE tube
Outer layer	1 aramid braid and 1 high tensile 304 maypole wound Stainless Steel braid
Temperature Min / Max	-60°C to +150°C (-76°F to +302°F)*
Material	PTFE according to "ISO12086, Part1. PTFE-E.P.D.M 1.61.C.E.4_12"

* Aramid yarn is the limiting material in the hose construction.

For any application above 150°C please contact your KA representative for working pressure and service length duration.

Gas Hose Aramid Yarn Braid 1 Wire Braid + Polyester Cover Range

USA Part Number	Part Number	Description	Braided ID Nominal		Tolerance		Braided OD Nominal		Tolerance		Tube Wall Thickness Nom.		Max. Working Pressure		Min. Burst Pressure		Min Bend Radius	
			(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(psi)	(bar)	(psi)	(bar)	(mm)	(in)
TSGV6.6B23C42	TSGV6.6B23C42	1/4" GAS (1KB, 1WB, H)	6.6	0.26	0.3	0	12.6	0.496	0.5	0.02	1.02	0.04	6,000	414	24,000	1,654	76	2.992
TSGV8.1B23C42	TSGV8.1B23C42	5/16" GAS (1KB, 1WB, H)	8.05	0.317	0.3	0	14	0.551	0.5	0.02	1.02	0.04	5,500	379	22,000	1,516	102	4.016
TSGV10.3B23C42	TSGV10.3B23C42	1 3/32" GAS (1KB, 1WB, H)	10.3	0.406	0.3	0	17.15	0.675	0.5	0.02	1.02	0.04	4,500	310	18,000	1,241	133	5.236

Note

Both two wire braid, 316 stainless steel braid and Heavy Wall derivatives are available for this range. Please contact our sales team for more information on these products.