

Medium Pressure Convoluted Hose

Temperature Range – 65°F to 400°F (-54°C to 204°C) The unique construction of tape wrapped convoluted hose combines the properties of PTFE with lighter weight and greater flexibility than any hose of comparable size. As with medium pressure smooth bore hose, tape wrapped convoluted hose is manufactured with both conductive and nonconductive inner cores depending on the demands of the application. Some applications require a conductive inner liner to dissipate static electrical charges. High resistively fluids or gases at high velocity cause positive electrical charges to build on the inside of the PTFE liner. If not dissipated to the end of the hose, the charge will build until it arcs through the tube wall to the braid causing catastrophic hose failure. To alleviate this, the factory manufactures a heated hose assembly with a thin conductive liner on the I.D. Other braid materials such as polyester, polypropylene, nylon, and kynar are available for special applications. For information on other hose products or specific applications performance data such as vacuum ratings, minimum assembly lengths and installation configurations, please refer to the technical data sheets, or call STS at 704-399-4248.

CONVOLUTED TRANSFER HOSE

CH68 – Non-conductive, PTFE lined, fiberglass reinforced inner core, over braided with 300 series stainless steel wire. CH69 – Conductive (carbon impregnated), PTFE lined, fiberglass reinforced inner core, over braided with 300 series stainless steel wire.

Hose number non-conductive	Nominal I.D. In	Operating Pressure PSI @ 400°F	Burst Pressure PSI	Minimum Bend Radius In
CH68-06	3/8"	1000	4000	1
CH68-08	1/2"	1250	5000	1.5
CH68-10	5/8"	1400	5600	2
CH68-12	3/4"	1100	4400	2.5
CH68-16	1	1000	4000	3
CH68-24	1-1/2"	750	3000	4.5
CH68-32	2	500	2000	5.25

FULL VACUUM CONVOLUTED TRANSFER HOSE

CH68HV – Non-conductive, PTFE lined, fiberglass reinforced inner-core, spiral wire wrapped, over braided with 300 series stainless steel wire. CH69HV – Conductive (carbon impregnated), PTFE lined, fiberglass reinforced inner core, spiral wire wrapped, over braided with 300 series stainless steel wire.

Hose number non-conductive	Nominal I.D. In	Operating Pressure PSI @ 400°F	Burst Pressure PSI	Minimum Bend Radius In
CH68-24HV	1	750	3000	7.5
CH69-32HV	2	500	2000	10
CH68-48HV	3	250	1000	15
CH68-64HV	4	150	600	24