



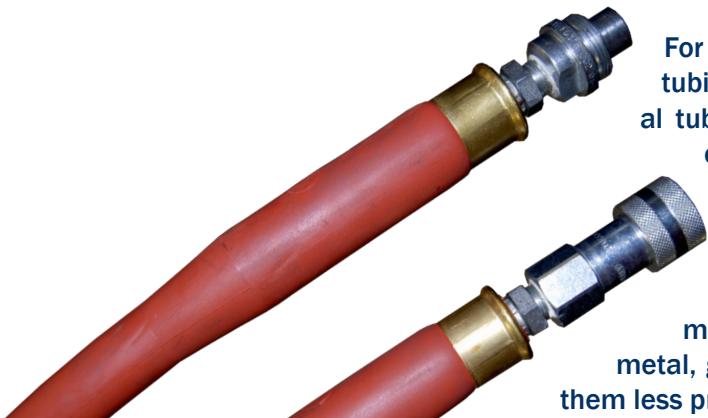
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ISO 9001 REGISTERED

8 DUFRESNE LOOP LULING, LA 70070
(985) 785-307511050 W LITTLE YORK BLDG. 1 HOUSTON, TX 77041
(713) 983-7171

HOSES

VERY HIGH PRESSURE



For decades, Synflex® thermoplastic hose and tubing has been replacing rubber hose or metal tubing designs. Synflex hose and tubing offers customers a number of benefits, including flexibility, durability, abrasion resistance, lighterweight materials, superior chemical resistance, variety of colors, high pressure capability and extended product performance. The Kevlar reinforcement, rather than metal, gives the hoses a better bend radius, making them less prone to kink and puncture. The four-part crimp makes these hoses highly durable and very lightweight.

COMPACT SIZE

LOW ELONGATION

DESIGNED FOR PERMANENT HIGH PRESSURE FITTINGS WITH HOSE GUARDS

LIGHTWEIGHT

PERFORATED POLYURETHANE COVER

SPIRALED HIGH TENSILE ARAMID FIBER REINFORCEMENT

NYLON-LINED CORE TUBE

HOSE SERIES	DASH SIZE RANGE	RECOMMENDED PRESSURE RANGE PSI	TEMPERATURE RANGE °F	TEMPERATURE RANGE °C	KEY FEATURES & APPLICATIONS
3V10	-3 to -6	8,000-10,000	-40 to 150	-40 to 66	High Pressure Performance, Hydraulic Jacks

PART NUMBER	NOMINAL O.D. IN. / MM	MAXIMUM O.D. IN. / MM	MINIMUM BEND RADIUS IN. / MM	MAXIMUM WORKING PRESSURE PSI / BAR	MAXIMUM BURST PRESSURE PSI / BAR	WEIGHT LB. / KG 100 FT. / 100M	AVAILABLE LENGTHS
3V10-04003	1/4 / 6.4	.595 / 15.1	2 1/2 / 64	10,000 / 919	40,000 / 2,758	10.6 / 15.8	250 ft.



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HOSES TECHNICAL DATA

MINIMUM BEND RADIUS

Tight bends that exceed the hose minimum bend radius should be avoided. Spring guards or stress relief sleeves may be required to protect against exceeding prescribed minimum bend radii.

TORSIONAL FLEXING

When equipment parts exhibit relative motion, hose connections should be located so hoses bend rather than twist.

FITTING CONNECTIONS

Attach only the fittings specified for each hose design and do not mix components that are produced by different manufacturers. Proper fitting and selection is very important to eliminate twists and kinks in installed assemblies when connecting fittings to port connections. Swivel fittings are designed to allow for the hex rotation during tightening and bent tube or elbow fittings can eliminate kinks.

TORQUE WRENCH APPLICATION

Use torque values where specified when tightening fitting connections to prevent leakage and damage.

FINAL CHECK OUT

After components are assembled, purge entrapped air and pressurize system to maximum operating pressure. Inspect for leaks and proper function. Perform electrical conductivity tests on designs serving as static electricity discharge paths. It is important that designers and users consider hose and hose assemblies as having a finite life. Therefore, maintenance and replacement is usually necessary at certain intervals.

MAINTENANCE INTERVAL

Frequency of maintenance inspection should be determined by the system designer and user based on the severity of the application, previous service life and risk potential.

LEAKAGE

Turn off equipment and bleed down pressures prior to inspection to minimize risk to personnel. Inspect the full length of the hose and fitting connections for leaks.

DAMAGE

Inspect hose for cuts, abrasion, cracks, blisters, kinked or crushed areas, heat degradation, or cover looseness at the port or hose connection. Inspect hose guards for damage using the steps that apply to the hose and fittings.

ELECTRICAL CONTINUITY

In applications requiring the hose assembly to conduct static electricity to a ground connection, test hose assemblies using a megohmeter in accordance with recommended procedures described on the permanently attached bag.

REPLACEMENT

Hose and/or assembly replacement should be considered at specific intervals under normal conditions. If leakage, loss of conductivity (when required), fitting separation, and/or signs of damage are detected, the hose assembly should be replaced immediately.

HOSE ROUTING

Under pressure, a hose may change in length. Always provide some slack in the hose to allow for this shortening or elongation.

