

# THE TEFLON® HOSE ADVANTAGE

## CHEMICAL RESISTANCE

Resilient against virtually all commercial chemicals, acids, alcohols, coolants, elastomers, hydrocarbons, solvents, synthetic compounds and hydraulic fluids.

## HIGH TEMPERATURE

Rated for steam up to 250 psi (406° F) - has low volumetric expansion characteristics - easy to clean and sterilize.

## SHOCK RESISTANCE

Not affected by continuous flexing, vibration or impulse pressures - withstands alternating hot and cold cycling

## FLEXIBLE AND LIGHT

Easier to move, handle and install than rubber hose with a comparable burst pressure rating.

## HIGH FLOW RATES

The low coefficient of friction of Teflon® and anti-stick properties lowers pressure drop while preserving good service pressures.



## STATIC DISSIPATION

Optional conductive liner for removing static build up through the flow path.

## NON-CONTAMINATING

Will not contaminate material, fluid or gas conducted - Teflon® is an FDA recognized material for food handling and pharmaceutical applications.

## NON-ADHESIVE

Handles substances such as adhesives, asphalt, dyes, greases, glue, latex, lacquers and paints with ease.

## MOISTURE RESISTANCE

No moisture absorption, ideal as a pigtail in bulk gas handling and pneumatic systems where a low dew point is critical

## RESISTS DETERIORATION

Impervious to weather and can be stored for extended periods of time without aging. It will not age during service.



*Teflon® is a registered trademark of DuPont.*



# TEFLON® BRAIDED HOSE ASSEMBLIES

## SMOOTH BORE PTFE



Duraflex's **SPH Series Hose** is a high quality engineered flexible metal braided hose with a smooth inner liner of extruded PTFE. The assembly is reinforced with a layer of stainless steel braid. A smooth liner of PTFE is locked in place and flared over the flange faces. The PTFE liner is stationary and will not move once locked into position. Special vent holes in the ends prevent gas build-up between the layers

### ■ Applications

- ⊙ Maintain batch purity and eliminate cross contamination
- ⊙ Vibration elimination in piping systems
- ⊙ Chemical transfer
- ⊙ Large diameter smooth bore
- ⊙ Slight misalignment in lined piping

### ■ Advantages

- ⊙ Smooth liner, with no entrapment areas
- ⊙ High Flow rates
- ⊙ Easily cleaned
- ⊙ Available in larger diameters
- ⊙ Fluoropolymer protection against chemical attack throughout the entire assembly length



## CONVOLUTED PTFE TUBING



Duraflex's **CPH Series Hose** is constructed from convoluted, heavy wall, seamless extruded virgin white or black conductive PTFE tubing. The convoluted tubing is reinforced with a heavy duty stainless steel wire braid. It is only available as a flanged unit as the convoluted tube is flared over the flange retainer or gasket area, which effectively isolates the flange from the media. The media in the flow path has direct contact only with the PTFE.

Our **CPH Series Hose** is ideal for applications where internal corrosion of the hose, fitting and potential contamination of the media is not permitted.

### ■ Applications

- ⊙ Chlorine Transfer Hose
- ⊙ Sanitary and high purity service
- ⊙ Transfer of a wide range of chemicals
- ⊙ Short assembly specifications
- ⊙ Vibration elimination for chemical pump connections

### ■ Advantages

- ⊙ Internal corrosion of fittings are eliminated
- ⊙ No metallic contamination or transfer chemical from fitting
- ⊙ Helical convolutions aids in easier drainage and cleaning
- ⊙ Eliminates crevice corrosion from flange insert in hose
- ⊙ No gaskets required - seal is made directly on the flare



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