

Sanitary Hose Assemblies for Fluid Handling Applications

DESCRIPTION

Tri-Canada uses 316L stainless steel fittings that are radially crimped onto Gates Food & Beverage Master sanitary hose to prevent any contamination between the hose barb and the hose I.D. This assures a smooth sanitary flow through the hose and fitting with minimal pressure drop and ensures safety by preventing fitting blow-off when the hose is operated within design specifications.



STANDARD FEATURES

The Tube

Lightweight and made from Sanitron. White and smooth as a mirror. It won't discolour and won't impart any rubbery tastes.

The Manufacturing

Gates proprietary hose building process is based on the most stringent controls in the industry. Meets FDA, 3A, and USDA requirements.

The Reinforcement

Synthetic, high tensile textile with static conductive filament; resilient monofilament helix providing crush and kink resistance.

The Vacuum

Gates monofilament helix reinforcement will allow for a full 30 inches of mercury at 72°F/22°C. The working pressure is 250 psi in all sizes with a 4 to 1 safety factor.

The Clean-Up

The Sanitron tube is easy to keep clean through open-end steam cleaning or high-temperature solutions of water and mild caustics.

The Cover

EPDM rubber in white or grey, wrapped in a fine diamond shaped pattern that resists dirt and grime.

SANITRON™

Sanitron is a proprietary elastomer blend developed by Gates for use in Food & Beverage Master®, Brew Master®, and Cellar Master® hose products. As a tube material, Sanitron provides a glass-smooth interior surface for efficient product flow – a smoothness that competitors can't match. It will not discolour foods and beverages or impart any unusual taste or odour during product transfer. Sanitron is easy to clean using open-end steam or high-temperature cleansing solutions up to 230°F/110°C. It meets all FDA and USDA standards and regulations.

Gates Food & Beverage Master Specifications

White or Grey Cover

Nom. I.D. (In.)	(mm)	Nom. O.D. (In.)	(mm)	Max. W.P. (psi)	Suction (In. Hg)	Min. Bend Radius (In.)	Wt. per Ft. (Lbs.)
0.75	19.1	1.22	31.0	250	30	2.0	0.42
1	25.4	1.48	37.6	250	30	3.0	0.52
1.5	38.1	2.07	52.6	250	30	4.5	0.90
2	50.8	2.62	66.5	250	30	6.0	1.20
2.5	63.5	3.25	82.6	250	30	12.0	1.81
3	76.2	3.86	98.0	250	30	18.0	2.46
4	101.6	4.88	124.0	250	30	36.0	3.24



Typical Applications

- Milk
- Juice
- Soft Drinks
- Water Based Food Products
- Pharmaceuticals
- Cosmetics
- Dry Bulk Products via suction, pneumatic, or gravity transfers.

Other Sanitary Hose Assemblies available from Tri-Canada

- Smooth Bore Teflon
- Convolute Teflon
- Silicone
- PVC
- Stainless Steel Braided

ALL SANITARY HOSE ASSEMBLIES ARE AVAILABLE FROM TRI-CANADA WITH A CANADIAN REGISTRATION NUMBER (CRN), IF REQUESTED AT TIME OF ORDER.