

High Pressure Sanitary Hoses



- *Complies with 3A clean-in-place requirements*
- *Constructed of USDA and FDA-approved materials*
- *316 grade stainless steel end fittings meet 3A standards*
- *Hose and fittings rated for up to 600 psi*
- *Full flow internally-expanded fittings*

Springer hoses complete your sanitary transfer system

Springer high pressure sanitary hoses, available in a variety of diameters and lengths, are the perfect complement to your pump system. Springer sanitary hoses and accessories meet all regulatory requirements (3A, USDA, FDA) for material handling, clean-ability and operator safety.

Hoses, fittings and clamps are designed and constructed for use in transfer systems up to 600 psi (41 bar), meeting applicable standards for operator safety. All hoses utilize internally-expanded fittings to meet proposed 3A full flow specifications requiring a smooth transition

between hose and fitting. End fittings are made of 316 grade stainless steel polished to 3A standard finish.

Complying with CIP, COP and SIP sanitizing procedures, hoses can be safely cleaned with steam to 300°F (149°C) at 60 psi (4 bar) for 20 minutes; maximum continuous temperature 180°F (82°C).

Both the cover and tube are constructed of USDA and FDA-approved nitrile/PVC. Hose can be used in all sanitary applications (except suction), including within the ingredient container.



Designed to meet the strictest regulatory requirements.

Specifications

	1½" Diameter	2" Diameter
Maximum operating pressure	600 psi (41 bar)	600 psi (41 bar)
Outside diameter	1.93" (4.90 cm)	2.42" (6.15 cm)
Minimum bend radius	3.5" (8.9 cm)	4.5" (11.4 cm)
End fittings	1½" Tri-Clamp®	2" Tri-Clamp®
Hose weight	0.74 lbs./ft. (1.1 kg/meter)	0.96 lbs./ft. (1.5 kg/meter)
Core material	White Nitrile/PVC (FDA and USDA-approved)	
Cover material	White Nitrile/PVC (FDA and USDA-approved)	
Product temperature range	-25°F to 180°F (-32°C to 82°C)	
Maximum vacuum	Not recommended for suction service	

Tri-Clamp® is a registered trademark of Tri-Clover, Inc.

Hose Selection Guide

S235-261	10' Length, 1½" Diameter
S235-262	15' Length, 1½" Diameter
S235-263	25' Length, 1½" Diameter
S235-265	10' Length, 2" Diameter
S235-266	15' Length, 2" Diameter
S235-267	25' Length, 2" Diameter

Please contact Customer Service to check availability of 3" diameter hoses, and other lengths in all diameters.

**6' Length, 2" Hose Available
(Contact Us for Details)**

Fittings and Gaskets

Gaskets

S111-767	1½" Tri-Clamp Gasket, Teflon®
S111-770	1½" Tri-Clamp Gasket, Buna-N
S111-773	1½" Tri-Clamp Gasket, Viton®
S111-768	2" Tri-Clamp Gasket, Teflon
S111-771	2" Tri-Clamp Gasket, Buna-N
S111-774	2" Tri-Clamp Gasket, Viton
S111-769	3" Tri-Clamp Gasket, Teflon
S111-772	3" Tri-Clamp Gasket, Buna-N
S111-775	3" Tri-Clamp Gasket, Viton

For use with high pressure sanitary hoses. Available in three food grade materials; Teflon is recommended for most high pressure applications.

Teflon® and Viton® are registered trademarks of Du Pont

Clamps

S111-764	1½" Tri-Clamp
S111-765	2" Tri-Clamp
S111-766	3" Tri-Clamp

Designed for use with high pressure sanitary hose. Heavy duty, double bolt construction provides a working pressure rating in excess of 600 psi (41 bar).

Adapters

S111-776	2½" I-Line to 3" Tri-Clamp Fitting
S111-777	2½" I-Line to 2" Tri-Clamp Fitting
S111-778	2" I-Line to 2" Tri-Clamp Fitting
S111-779	1½" I-Line to 1½" Tri-Clamp Fitting

Allows the use of Springer high pressure sanitary hose with pumps equipped with I-Line outlet fittings.

S111-780	Bevel Seat to Tri-Clamp Fitting, 1½"
S111-781	Bevel Seat to Tri-Clamp Fitting, 2"
S111-782	Bevel Seat to Tri-Clamp Fitting, 3"

Allows the use of Springer high pressure sanitary hose with pumps equipped with bevel seat outlet fittings.

Reducers

S111-783	Tri-Clamp Reducer Fitting, 2" to 1½"
S111-784	Tri-Clamp Reducer Fitting, 3" to 2"

Allows the use of larger size hose than pump outlet size for higher viscosity materials and/or for longer runs.

Elbows

S503-437	Tri-Clamp 90° Elbow, 1½"
S513-490	Tri-Clamp 90° Elbow, 2"
S111-785	Tri-Clamp 90° Elbow, 3"

For use with Springer sanitary pumps and hoses to allow short radius material exit from pump outlet, especially when pump enters drum during transfer operation.

