



LifeGuard™ PTFE High Pressure Hoses

The Next Generation in Hose Safety!!

Open Flow (Valves Kept Open By Internal Cable)



Coupling Failure (Valves are closed by separation and/or back pressure)



WHAT IS LifeGuard™? A Flexible "Safety System" for use in the transfer of high pressure gases and liquids. Protect against the hazardous effects of high pressure hose rupture, pull-apart and failure.

The **LifeGuard™** design utilizes the unique, patent pending design that eliminates the potential for disaster through the use of an internal compression spring device connected to specially designed, normally unseated valves located on each end of the spring. In the event of hose separation, stretching to the point of an unsafe condition or coupling-to-hose separation, the valves are released and instantly seat stopping the flow in both directions.

APPLICATION: PTFE, Stainless Steel Braid is ideal for a wide range of industrial applications, PTFE is non-porous, chemically inert and requires zero maintenance. PTFE is an FDA approved material. When coupled with the LifeGuard Safety System fitting and cleaned for oxygen use, high temperature capabilities make PTFE the best choice for medical or industrial oxygen filling.

CONSTRUCTION: All LifeGuard convoluted stainless steel inner core, double braided compressed gas hoses are tig welded and come in female NPT or BSP threads.

MAXIMUM WORKING PRESSURE: 1/4" - 1/2" ID- up to 6000 PSI at 70 F.



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PTFE Pigtails

The Next Generation in Safety-Hoses!!

<u>Part Number:</u>	<u>Standard Sizes</u>
TF01-002-17-24-S	24" x 1/4" NPT, TEFLON LINED, 3000 PSI-BR ENDS
TF02-002-17-24-S	24" x 1/4" NPT, TEFLON LINED, 3500 PSI-BR ENDS
TF51-002-17-24-S	24" x 1/4" NPT, TEFZEL LINED, 3500 PSI-BR ENDS
TF51-002-11-24-S	24" x 1/4" NPT, TEFZEL LINED, 3500 PSI-SS ENDS
TF04-002-12-24-S	24" x 1/4" NPT, TEFLON LINED, 4500 PSI-BR ENDS
TF06-002-11-24-S	24" x 1/4" NPT, TEFLON LINED, 6000 PSI-SS ENDS
TF07-002-11-24-S	24" x 1/4" NPT, TEFLON LINED, 7500 PSI-SS ENDS (3/1 WP/BURST RATIO)
TF01-002-17-36-S	36" x 1/4" NPT, TEFLON LINED, 3000 PSI-BR ENDS
TF02-002-17-36-S	36" x 1/4" NPT, TEFLON LINED, 3500 PSI-BR ENDS
TF51-002-17-36-S	36" x 1/4" NPT, TEFZEL LINED, 3500 PSI-BR ENDS
TF51-002-11-36-S	36" x 1/4" NPT, TEFZEL LINED, 3500 PSI-SS ENDS
TF04-002-12-36-S	36" x 1/4" NPT, TEFLON LINED, 4500 PSI-BR ENDS
TF06-002-11-36-S	36" x 1/4" NPT, TEFLON LINED, 6000 PSI-SS ENDS
TF07-002-11-36-S	36" x 1/4" NPT, TEFLON LINED, 7500 PSI-SS ENDS (3/1 WP/BURST RATIO)
TF01-002-17-48-S	48" x 1/4" NPT, TEFLON LINED, 3000 PSI-BR ENDS
TF02-002-17-48-S	48" x 1/4" NPT, TEFLON LINED, 3500 PSI-BR ENDS
TF51-002-17-48-S	48" x 1/4" NPT, TEFZEL LINED, 3500 PSI-BR ENDS
TF51-002-11-48-S	48" x 1/4" NPT, TEFZEL LINED, 3500 PSI-SS ENDS
TF04-002-12-48-S	48" x 1/4" NPT, TEFLON LINED, 4500 PSI-BR ENDS
TF06-002-11-48-S	48" x 1/4" NPT, TEFLON LINED, 6000 PSI-SS ENDS
TF07-002-11-48-S	48" x 1/4" NPT, TEFLON LINED, 7500 PSI-SS ENDS (3/1 WP/BURST RATIO)
TF01-002-17-60-S	60" x 1/4" NPT, TEFLON LINED, 3000 PSI-BR ENDS
TF02-002-17-60-S	60" x 1/4" NPT, TEFLON LINED, 3500 PSI-BR ENDS
TF51-002-17-60-S	60" x 1/4" NPT, TEFZEL LINED, 3500 PSI-BR ENDS
TF51-002-11-60-S	60" x 1/4" NPT, TEFZEL LINED, 3500 PSI-SS ENDS
TF04-002-12-60-S	60" x 1/4" NPT, TEFLON LINED, 4500 PSI-BR ENDS
TF06-002-11-60-S	60" x 1/4" NPT, TEFLON LINED, 6000 PSI-SS ENDS
TF01-002-17-72-S	72" x 1/4" NPT, TEFLON LINED, 3000 PSI-BR ENDS
TF02-002-17-72-S	72" x 1/4" NPT, TEFLON LINED, 3500 PSI-BR ENDS
TF51-002-17-72-S	72" x 1/4" NPT, TEFZEL LINED, 3500 PSI-BR ENDS
TF51-002-11-72-S	72" x 1/4" NPT, TEFZEL LINED, 3500 PSI-SS ENDS
TF04-002-12-72-S	72" x 1/4" NPT, TEFLON LINED, 4500 PSI-BR ENDS
TF06-002-11-72-S	72" x 1/4" NPT, TEFLON LINED, 6000 PSI-SS ENDS
TF03-003-11-24	24" x 3/8" NPT, TEFLON LINED, 4000 PSI-SS ENDS
TF03-003-11-36	36" x 3/8" NPT, TEFLON LINED, 4000 PSI-SS ENDS



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LIFEGUARD SAFETY SYSTEM

The function of the Lifeguard Safety hose System:

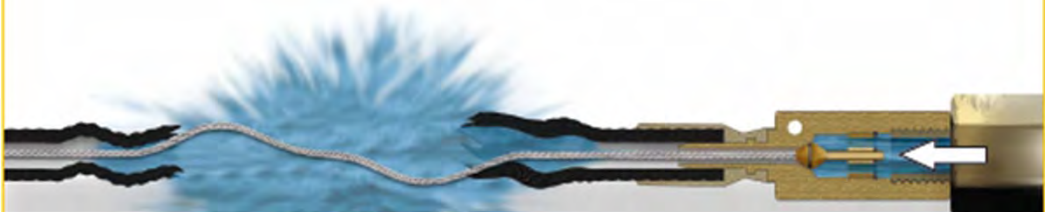


The safety system is founded upon an internal cable with mounted plungers on both ends inside the hose. The safety system is passive during normal use and is totally free from the need for maintenance.

The internal cable is slightly longer than the hose and exerts an axial force keeping the plungers open during normal use.



The loss of velocity is negligible due to our unique technical design. During normal use the hose performs like any other hose.



In the event of a hose failure or loosening of connections, releases the cable's built-up contained spring force.

The force of the media velocity pushes the plungers into a closed position, instantaneously shutting down the media flow.



The release of media is stopped and the consequences minimized.



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