



LIFEGUARD TECHNOLOGIES

The next generation in safety hoses

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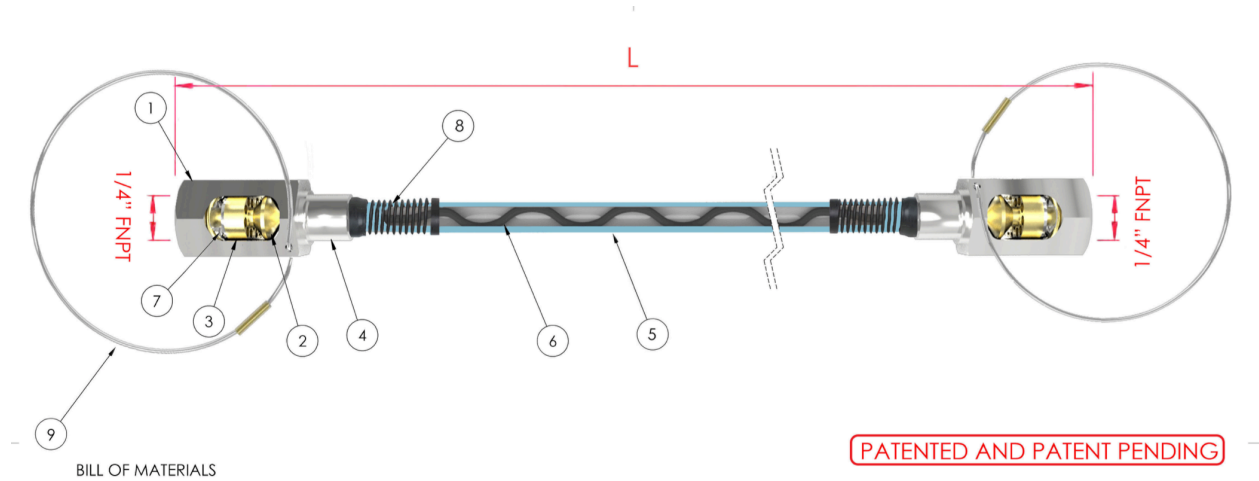
LifeGuard Technologies Introduces Ultra-High Pressure ETFE Hydrogen and Helium Transfer Safety Hose

NEWTOWN SQUARE, Pa — LifeGuard Technologies, the world's leading safety hose manufacturer, has introduced and filed for patent protection for a new multi-diameter 24,000 psi burst pressure ETFE (Ethylene tetrafluoroethylene) tube, stainless steel braid hose assembly (1/4" and 1/2" dia) incorporating LifeGuard's patented safety hose technology for primary use with hydrogen and helium.

The new hose offers the industrial hose and petrochemical industry a first combining ultra high-pressure functionality with the minimal effusion and flexibility that a polymer-based hose provides – all combined within the LifeGuard Safety technology's patented internal shut-off system.

Hydrogen is the lightest gas in the entire universe and one liter of this gas weighs only 90 mg under normal atmospheric pressure, which means that it is 11 times lighter than the air we breathe. A volume of around 11 m³ (which is the volume of the trunk of a large utility or commercial vehicle) is needed to store just 1 kg of hydrogen, which is the quantity needed to drive 100 km. For this reason, its density must be increased by ultra-high-pressure storage in the gaseous form and safer forms of transfer must be developed – the LifeGuard Ultra-High pressure ETFE hose assembly is the safest form of transfer.

“This LifeGuard Safety hose is designed to withstand constant pressure of up to 8000 psi and burst in excess of 24,000 psi,” said Joseph Abrams, Director of Engineering Emeritus. “The combination of the ultra-high-pressure capabilities, its superior noneffusion internal tube and combination with our internal LifeGuard Safety technology gives the user an important new option as our industry migrates to much higher working pressure for hydrogen and helium.”



About LifeGuard Technologies

LifeGuard Technologies' mission is to provide, on a geographical basis, reliable, readily deployable and cost-effective improvements in industrial safety. LifeGuard Technologies is a Global Company that is based upon the extensive experience of its founders and joint venture partners and believes that significant and measurable enhancements to industrial safety are achieved with deployment of "passive devices". The essence of our mission is to increase the safety of all operations and facilities through the deployment of systems such as the "LifeGuard Safety Hose" and others. LifeGuard manufactures its hoses in the USA, Canada, Sweden, India and Australia.

For more information please contact: Info@Lifeguard-tech.com or WWW.THESAFESTHOSE.COM

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