

Smart-Hose™

FLUID SYSTEMS

ENGINEERING DATA

Smart-Hose Pigtails with Built-In Smart-Heat Dissipater™

The World's Safest Hose Assemblies !!

Open Flow (Valves Kept Open By Internal Cable)



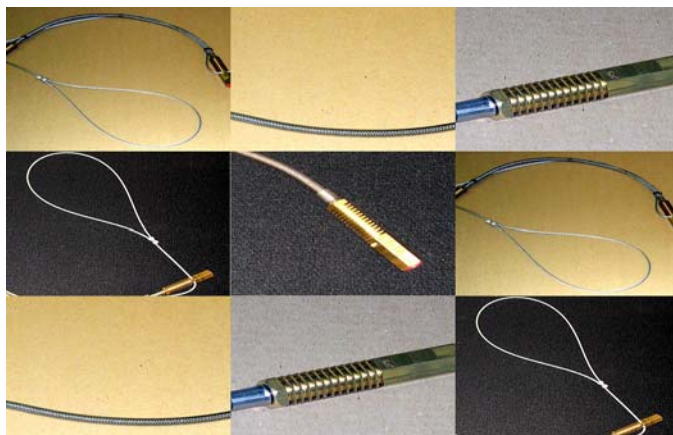
Coupling Failure (Valves are closed by separation and/or back pressure)



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

All Smart-Hose™ designs, Smart-Hose™ I, Smart-Hose™ I with breakaway, Smart-Hose™ II and Smart-Hose™ III all utilize the unique, patented and patent pending design eliminates the potential for disaster through the use of an internal cable connected to specially designed, normally unseated valve "wedges or plungers" located on each end of the cable. In the event of **hose separation**, **stretching** to the point of an unsafe condition or **coupling-to-hose separation**, the valve "wedges or plungers" are released and instantly seat **stopping the flow in both directions**.

Heat Dissipater The Smart-Hose Heat Dissipater is integrated within the fitting providing the ultimate in hose safety. The Smart-Heat Dissipater™ permits any excessive heat create by adiabatic compression to be safely dissipated into the atmosphere. The unit is now integrated within the Smart-Hose™ fitting to provide the ultimate in oxygen cylinder filling.



Available with External Cable or Without



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