

# Annuflex™ Hose

## STRESS-LITE™ CORRUGATED METAL HOSE

Annuflex™ is the standard of Hose Master's extensive line of high performance annular corrugated stainless steel hose. Proprietary Stress-Lite™ technology ensures the excellent cycle life of the hose, with minimum effort to flex or bend the hose.



### Materials:

- T321 Stainless Steel
- T316L Stainless Steel
- T304L Stainless Steel

### Braids:

- Unbraided
- T304 Single Braid
- T304L Double Braid

### Features:

- Annuflex™ comes in 1/4" to 30" Inside Diameters
- available unbraided, or with one or two braids (8 through 30" diameters are supplied with braided braid)
- Working Pressures range from 2.2 to 2700 psi
- Static minimum bend radius\* ranges from 1.0" to 67"
- Weight ranges from 0.04 to 43.71 lbs. per foot

\* The minimum bend radius is measured from the centerline of the hose

The working pressure decreases with temperature

For rapid pressure fluctuations consult JGB

## What is STRESS-LITE™?

One of the primary objectives in manufacturing corrugated metal hose is forming corrugations on a steel tube while adding the least amount of residual stress. Through innovative design and in-house, custom-built production equipment, Hose Master has accomplished this with Stress-Lite™ processes (Hydroforming and Crimpforming)

Most other forming methods are rough, adding excessive residual stress which only shortens the service life of the product. In addition, many of them also twist the tube while forming, creating damaging torsional stress leading to premature fatigue and failure. Our proprietary gentle forming technologies do not add these excessive stresses.

Stress-Lite™ annular hose processes synchronize non-torsional radial forming with simultaneous bi-directional axial tube feed.



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