

STAINLESS STEEL HOSE INSTALLATION AND SAFETY

In order to obtain long life and satisfactory service from stainless steel hose it should be installed in the correct manner. The main cause of failure is fatigue in the convolutions and in order to minimise this the hose should be installed as shown below. It should be remembered that all flexible hoses have a limited life and when they are used in applications where dangerous chemicals or hot or inflammable fluids are passing through them, they should be examined and re-tested at regular intervals. Many of our customers have found it advantageous, by means of planned maintenance, to replace hoses at regular intervals where used in arduous conditions.



Stainless steel hose should not bend to a radius smaller than recommended in the specifications, or fatigue and premature failure can occur. Avoid sharp bends near fittings.

DO NOT TORQUE



Torque or twisting is damaging to stainless steel hose. To avoid this condition use either a union or swivel flange at one end in place of a rigid connection. Always install hose so that movement originates in the same plane as centre line. When the hose is installed twisted, this will lead to premature hose failure.

AVOID COMPRESSION AND TENSION



Hose life will be reduced if hose is installed compressed or under tension.

AVOID RUBBING

Hose life will be considerably reduced should the hose be installed in a position where it is allowed to rub against metallic or other objects.

NEVER OVER PRESSURISE

Hoses must not be used above the safe working pressure. Account must always be taken of the operating temperatures as safe working pressures are for ambient temperature only – consult our literature for details.

DAMAGED HOSES

Any hose showing signs of damage or any signs of leaking must be replaced immediately.

IF IN DOUBT

If in doubt as to whether a stainless steel hose is suitable for an application and before re-testing, please consult our Technical Department. Since ADT Flexibles does not control or supervise any additional fabrication,