

INSTRUCTIONS FOR USE – SCT-0826 – High pressure hose

SPECIFICATIONS:

- Stainless braided high pressure hose:
 - Internal Ø 6.4 mm – 0.25"
 - External Ø 19.1 mm – 0.752"
 - **Maximum working pressure 207 Bar – 3000 Psi**
 - Maximum bending radius 132.6 mm – 5.22"
 - Length 1.5 m – 4.92 ft - 59"
- Fittings:
 - Hose: ¼" NPT M to 1/4" NPT M
 - Adaptor: male DIN 207 Bar to 1/4" NPT F
- O-ring for the DIN connector: # 112 – shore 90 – NBR
- Air use only

CONNECTIONS:

The 1/4" NPT M end of the hose can be screwed into any 1/4" NPT F fitting. We recommend using Loctite® 567 or 3-4 wraps of Teflon tape on the 1/4" NPT M fittings. Wrap the Teflon tape in the direction of the threads: clockwise for a right handed thread. Screw the hose assembly in finger tight and then tighten another 2-3 full turns with a 5/8" spanner. You should end up with 3.5 to 6 engaged threads. Any number outside of this range may indicate either under or over tightening of the joint or out of tolerance threads.

The DIN end of the assembly can be screwed into a DIN cylinder valve or can be used with a DIN to yoke adaptor (optional) for yoke style valves. If the yoke adaptor is not rated for the working pressure of the assembly, being 207 Bar – 3000 Psi, the new working pressure becomes the working pressure of the lowest rated component in the assembly.

RECOMMENDATIONS FOR USE:

- Check the hose visually prior to every use, if damage is observed, do not pressurise the system and replace the hose assembly.
- As with any pressurized system, pressurise the hose assembly slowly.
- Do not exceed the working pressure of the assembly: 207Bar – 3000 Psi.
- When the hose is not in continuous use, we recommend to depressurise the assembly.

- When routing the hose: avoid tight bends and to not exceed the maximum bending radius of the hose.
- If the hose assembly is connected to a scuba cylinder or another compressed air cylinder, ensure the cylinder is secured and cannot fall over.
- If the hose is used with other components having a working pressure of less than 207 Bar – 3000 Psi, the new working pressure becomes the working pressure of the lowest rated component in the system.
- Do not operate the hose assembly submerged into any liquids.
- Install the hose assembly away from heat sources or direct sunlight.

SAFETY WARNINGS:



This assembly is only suitable for use with compressed air up to 207 Bar – 3000 Psi. Do not use higher pressures or gas mixtures other than compressed air.



Operate this hose assembly under pressure only whilst wearing safety glasses.



Do not screw the 1/4" NPT M fitting into any other thread form other than 1/4" NPT F. Failure to do so could lead to a serious accident. If in doubt, thread gauge the F thread to ensure its compatibility.



Failure to observe the specifications and recommendations for use could lead to a serious accident.



Never pressurise the hose assembly with one side not connected.