Hose Compatibility Questionnaire

Salesperson: Date

Company Name:

Customer Contact:

Brief Description of Application:

Hose Description: *(Bore, Length, Fittings)*

PRESSURE/TEMPERATURE/FLEX CONDITIONS

Temperature min/max: Cyclic:

Vacuum or Pressure min/max: Cyclic:

Flexing:_____Static or _____Dynamic

If dynamic, describe flexing cycle:

CHEMICAL CONDITIONS

List all the chemical(s) used inside the hose:

Whether a fluid or a gas, and including the CAS number (if available)

Do any of these chemicals

(A) Have particularly penetrating, or diffusing characteristics?

(B) Are any of the chemicals Flammable/Corrosive/Toxic?

Is there any risk of the internal chemical(s) splashing on to the non-wetted end fitting components, or on to the hose cover?

Are there any other chemicals in contact with the external parts of the hose, other than normal atmospheric conditions? In particular, any chlorides, e.g. sea spray?

If so, give details:

Describe any SIP or CIP or any other Cleaning/Purging Conditions

(Full information, including is any steam wet or dry, or if fluids used, gases used to blow fluids out, etc)

FLOW RATE REQUIREMENTS

If high flow rates, or specified flow rates are required, state the flow rates and the pressure drop available between the hose ends

GENERAL CONDITIONS & INFORMATION

(A) Describe the specification and materials of construction of the hose assembly (including End Fittings) or Pipe being replaced by the Techna-Fit Hose Product. *(if applicable)*

(B) Have any problems occurred with the hose which is being replaced, *if so, describe fully*.

(C) The hose end fittings will be connected to other components on the Customer's plant-what are the materials of the inner, wetted parts of these components?

ANTI-STATIC REQUIREMENTS

Has anti-static (AS grade) hose been suggested and accepted? _____YES _____NO
Only if NO, and if the chemical is NOT a single phase gas, then answer (A) to (D) below. Must answer (B).

(A) When more than one chemical is used, are the chemicals put through **together_____or separate_____**
If together, state the groupings

(B) (Only required if Techna-Fit does not have this information listed in the Electrostatic Booklet - Check this with Techna-Fit). What is the electrical conductivity (siemens) or electrical resistance (ohms) of the chemical(s)

(C) Are there any multi-phase conditions (eg solid particles in fluid, fluid droplets in gas) or non-mixable fluids (eg oil droplets in water)?

In particular, are any cleaning fluids (eg WFI water) blown out with a gas (eg Nitrogen), thereby developing multi phase mixtures?

In particular, if SIP cleaned, is the steam pure and dry, or wet and therefore 2-phase?

(D) If fluid, what is the maximum Flow Rate?

RISK OF MECHANICAL ABUSE

(A) Abrasion - are there any abrasive conditions, either inside the hose (eg sand/water slurry) or outside the hose (eg dragged across the ground, or any rubbing action during its movement in service)? ____**YES** ____**NO**
If YES, give details

(B) Physical Abuse - will the hose be twisted, bent crushed or pulled excessively in the application?_____**YES**_____**NO**
If YES, give details

Comments & Recommendations (include recommended Techna-Fit Hose Assembly details in Full)

Customer Signature:_____Date_____