SENSOR SAMPLING SYSTEMS

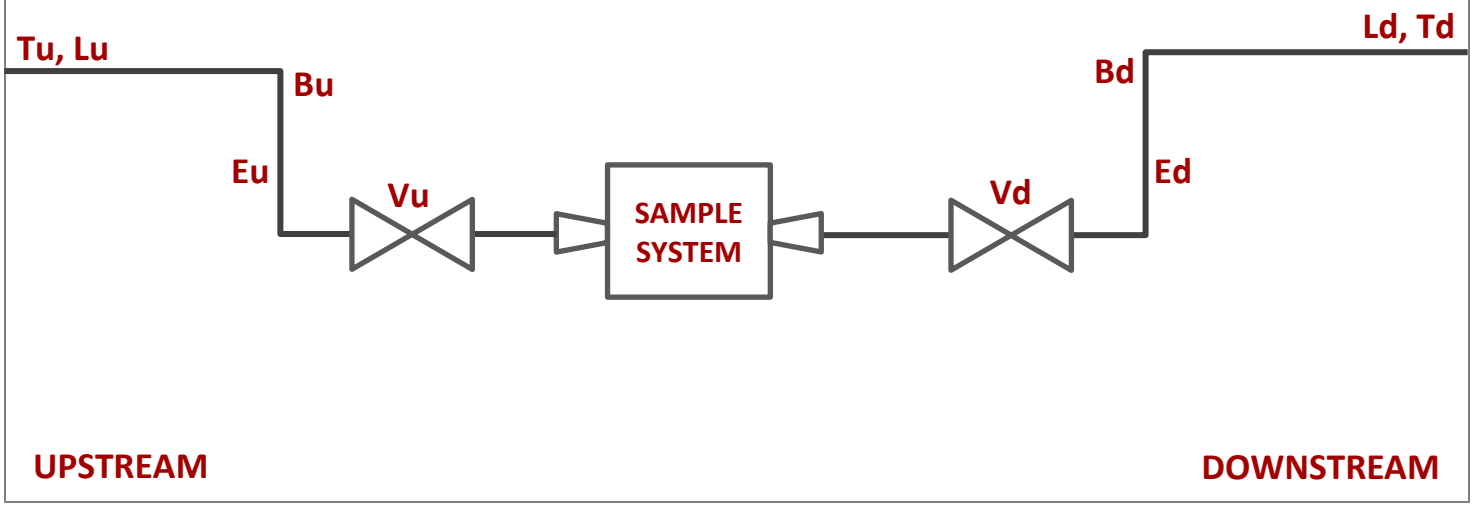
Lag Time Calculations Data Sheet

Please fill out as many of the specifications as possible.

Customer		Reference No.	
PROCESS PROPERTIES			
Process Fluid		Max Temperature (°F, °C)	
Upstream Pressure (psi, kPa, bar)		Downstream Pressure (psi, kPa, bar)	
Fluid Density (kg/m^3, lb/ft^3, in/ft^3)		Fluid Viscosity (cP)	
TUBING PROPERTIES			
UPSTREAM TUBING		**DOWNSTREAM TUBING**	
(Tu) Tubing Diameter OD x Wall (in, mm)		(Td) Tubing Diameter OD x Wall (in, mm)	
(Lu) Length (ft, m)		(Ld) Length (ft, m)	
(Eu) Elevation change from Upstream Inlet to Sample System (ft, m)		(Ed) Elevation change from Sample System to Downstream Outlet (ft, m)	
(Vu) Valves Upstream of Sample System (Qty and Cv Values)		(Vd) Valves Downstream of Sample System (Qty and Cv Values)	
(Bu) Bends Upstream of Sample System* (Qty)		(Bd) Bends Downstream of Sample System* (Qty)	

* Unless otherwise specified, calculations will use the Resistance Coefficient (K) for a standard 90° elbow.

REFERENCE DIAGRAM



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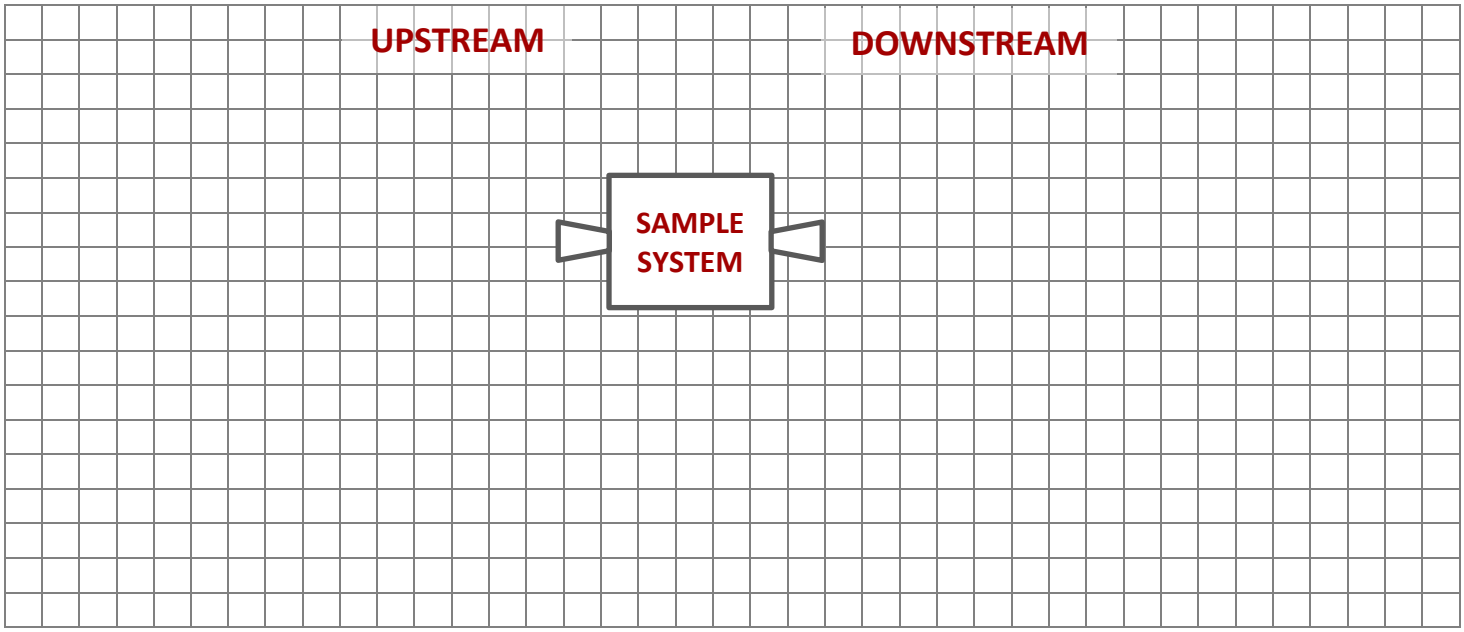
SENSOR SAMPLING SYSTEMS

Lag Time Calculations Diagram

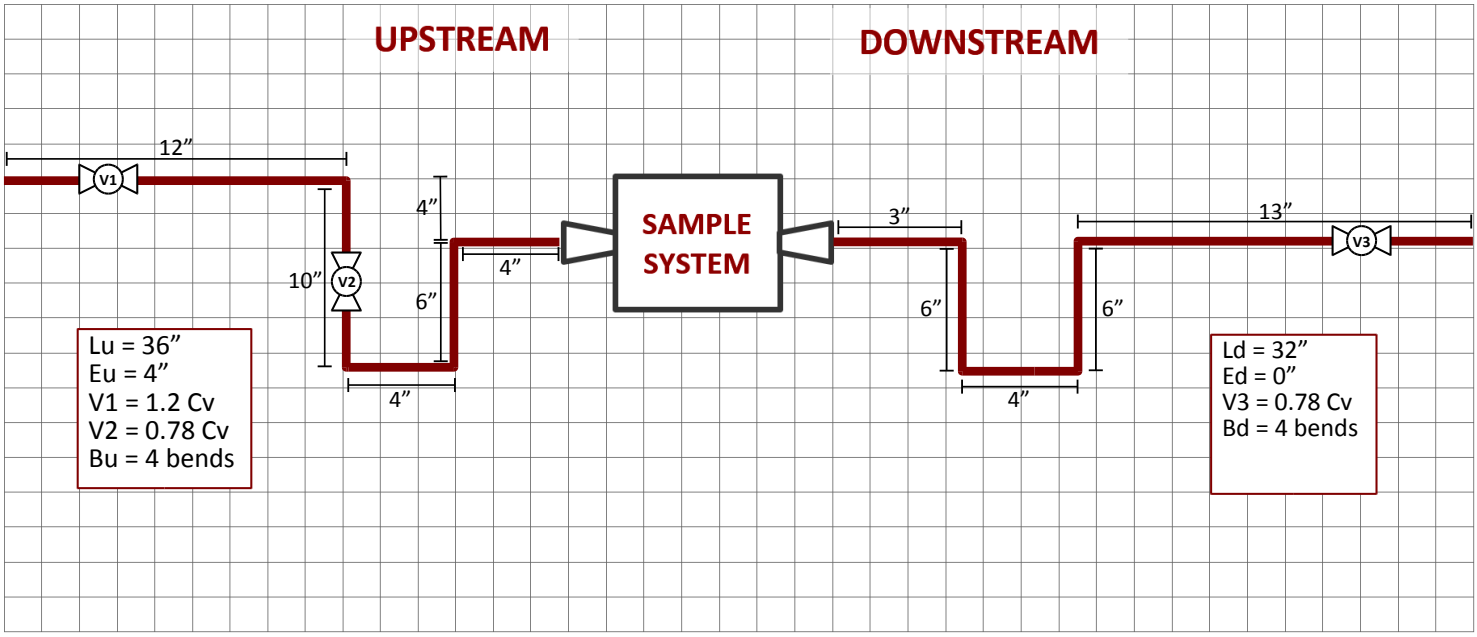
Please use the space below to sketch your upstream and downstream tubing configurations including bends, valves and elevation changes.

SKETCH **UPSTREAM AND DOWNSTREAM TUBING** HERE



UPSTREAM AND DOWNSTREAM TUBING EXAMPLE SKETCH

Note: Dimensions are not to scale. Example Sketch is provided for reference only.



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