

REQUESTED BY: _____ **USE A SEPARATE SHEET FOR EACH APPLICATION** **DATE:** _____

TO: PULSCO, Inc.
17945 Sky Park Circle, Suite G
Irvine, California 92614
Ph: 949.261.1717 TF: 877.PULSCO.2 Fx: 949.975.0532

FROM: _____

ATTN: Sales Department (sales@pulsco.com)

PROJECT NAME OR END USER: _____

SURGE TANK REQUIREMENTS:

Type of Tank: Air over Water Bladder Design Pressure (Maximum Allowable Working Pressure): _____ PSIG
(typically 10% or 30 psig above maximum operating or surge pressure)

Orientation: Horizontal on saddles Vertical on legs

Inlet / Outlet Connection: Size: _____ inches
Flange Rating: 150# 300# Other _____
Location: Bottom Side End

Manway: Elliptical 12x16 Elliptical 14x18 Elliptical 18x24 Circular - Dia & Flange Rating _____ & _____

Interior Lining: Sandblast; Coatings 1st coat: _____
2nd coat: _____(if required)

Exterior Paint: Sandblast; Coatings 1st coat: _____
2nd coat: _____(if required)

If a Transient Surge Analysis is Not Required (i.e. has been performed by others), provide the following:
Required Surge Tank Volume: _____ Gallons Cubic Feet
Outside Diameter: _____ inches Initial Air Volume: _____ % of Total Tank Volume

LEVEL CONTROL: Differential Pressure Transmitter with PLC Capacitance Sensor Discrete Contact Probes

SURGE ANALYSIS REQUIREMENTS:

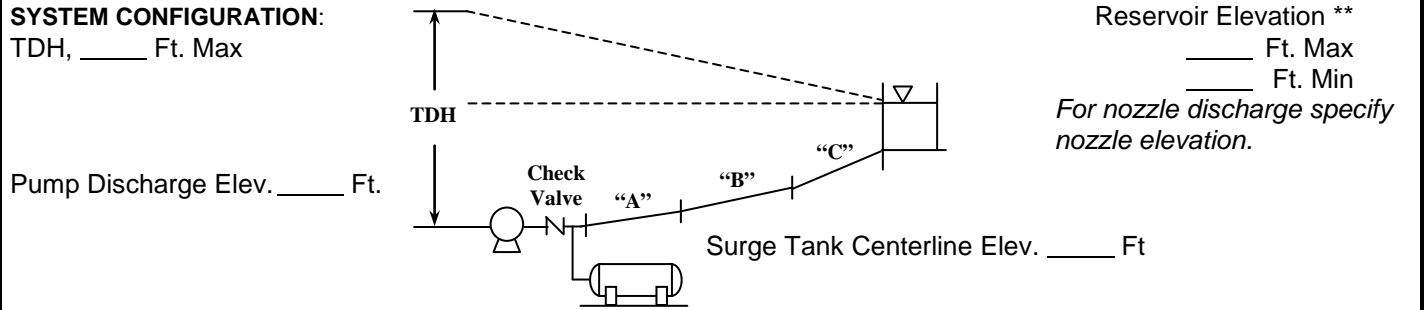
The following data is required for a transient surge analysis. If no analysis is required, provide, as a minimum, the elevation data and the 'TDH' to allow proper design of the level control system.

PUMP DATA: Number of Pumps: _____ Capacity of Each Pump: _____ GPM
Maximum Design Flow from Station: _____ GPM Design TDH _____ FT

PIPELINE DATA:

#	Length, (Ft)	Size, ID, (in)	Wall Thk. (in)	* Material	** Rating, PSI	*** 'c', Flow Coeff.
A						
B						
C						

Notes: * Steel, C.I., D.I., A/C, PVC, etc., ** Max. Allowable Pressure, *** 'c': Hazen-Williams Flow Coefficient



COMMENTS (SPECIAL REQUIREMENTS, ADDITIONAL DATA, ETC): Provide a sketch of the pipeline profile if significant high or low points occur in the profile.

INTERNAL USE ONLY

PULSCO:

Design / Project ENGINEER _____

ENGINEERING MANAGER _____