SLV-WW Engineering Selection Brief

Use this brief to define an atmospheric single-probe hydrostatic installation. It is a configuration review document, not an issued serial-specific datasheet, dimensional drawing or approval.

Selection item	Request / option	Release check
Requested sensing face	Broad flush diaphragm or a qualified bird-cage arrangement	Select by grease, rags, grit, impact and cleaning method.
Span / position	State highest liquid head and sediment accumulation	Avoid unnecessarily large spans; measure from the installed diaphragm.
Body / stability	Weighted body and appropriate restraint	Confirm cable load and turbulence; do not hang conductors on terminals.
Output / protection	4–20mA, HART or RS485 enquiry; surge option	Surge protection needs its exact test rating and grounding instructions.
Service	Inspection and approved nonabrasive cleaning	No never-clogs or maintenance-free promise.

Installation decisions

- Choose a flush face for the requested fouling scenario; a protected small inlet is a separate design.

- Review the installation above anticipated sediment and away from direct pump inflow.

- Define independent high-level protection and the actual pump-control safety design.

Prepare the complete engineering RFQ

Record these inputs with the online configuration code. Liquid head is measured above the sensor diaphragm; deployment depth and cable routing are independent.

Input	Project value / acceptance record
Liquid composition, SG, concentration and temperature	_____
Maximum liquid head and minimum operating level	_____
Sensor installation depth, routing and service loop	_____
Clear casing ID / drawing datum / mounting	_____
Cable length, jacket and rated support	_____
Signal, supply, loop load and PLC / logger input	_____
Surge / hazardous-area / ingress evidence required	_____
Quantity, country, postal code and required documents	_____

Request the exact configured materials, dimensions in mm/inches, STEP availability, pinout and calibration/approval records before order release. Reference photographs do not establish a qualified SLV SKU or guaranteed material/performance.

Submit: https://submersiblelevel.com/request-quote

Open resources: https://submersiblelevel.com/datasheets-cad-wiring-library