SLV-HT 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
Temperature duty	Continuous/peak liquid temperature, duration and cycle	100–125°C target requires complete assembly qualification.
Head span	Request 1–50 m and actual hot-liquid density	Do not calculate hot-water level using an unverified room-temperature density.
Pressure reference	Vented gauge target; confirm final architecture	An absolute-pressure alternative needs separate atmospheric compensation and system review.
Cable and seals	FEP jacket and qualified seals/feedthrough	A cable-only temperature rating does not establish cell, seal or electronics limits.
Output and evidence	Two-wire 4–20 mA; thermal compensation and immersion evidence	Confirm test conditions, drift and permitted peak/continuous exposures.

Installation decisions

- Confirm the liquid remains in the intended phase and the vessel is atmospheric before selecting a single vented probe.

- Cleaning peaks and repeated thermal shocks can be more demanding than steady-state tank temperature.

- Do not reinterpret an ordinary guarded-nose water probe as a high-temperature version based on appearance.

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.

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