SLV-PTFE 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
Chemical identity	Composition, concentration, normal/maximum temperature	Include cleaning liquids, contamination and continuous-immersion conditions.
Wetted body / diaphragm	PTFE housing and qualified ceramic / isolated diaphragm	Housing alone does not approve the membrane or complete assembly.
Seals	Specify FKM / FFKM or other qualified option	Exact compound and chemical/temperature limit must be documented.
Cable	FEP chemical-duty request, quoted by length	FEP, PTFE and ETFE terms are not interchangeable material certificates.
Range / density	Request actual level span and process SG	Density example is not chemistry approval; quote confirms pressure span.

Installation decisions

- Bleach and ferric chloride require a complete wetted-material review.

- HF and other difficult mixtures are outside a generic ceramic compatibility assumption.

- The reference remote housing is not automatically the quoted vented/desiccant junction box.

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