

VENDOR CATALOG / FLOWLINE

Flowline Catalog

Level transmitters, switches, and flow switches — plus a 285-chemical materials compatibility reference identifying where 316 stainless steel corrodes.

MATERIALS COMPATIBILITY REFERENCE

Where 316 Stainless Steel Corrodes

316SS is often assumed to be the "safe" default wetted material. Flowline's own 285-chemical reference table rates it Corroded (C) for 29 common chemicals encountered routinely in water/wastewater treatment.

Chemical	316SS Rating	Better Alternative
Sodium Hydroxide	Corroded	PVDF or PTFE typically rate Excellent/Good
Sulfuric Acid	Corroded	PVDF or PTFE typically rate Excellent/Good
Hydrofluoric Acid	Corroded	PVDF or PTFE typically rate Excellent/Good
Hydrogen Peroxide	Corroded	PVDF or PTFE typically rate Excellent/Good
Hypochlorous Acid / Potassium Hypochlorite	Corroded	PVDF or PTFE typically rate Excellent/Good

The practical takeaway: don't default to 316SS wetted parts for these chemistries – check the plastic-lined or full-plastic option instead.

LEVEL TRANSMITTERS

LR80-85 Radar · LD30-37 Submersible

Series	Technology	Range	Notable
LR85	80 GHz radar	196.8 ft solids / 393.7 ft liquid	PFA wetted, low-dielectric-constant media capable
LD33	Pressure/submersible	Up to 34.65 ft	PTFE/FEP wetted, explicitly named for corrosive chemical service
LD32	Pressure/submersible	Up to 34.65 ft	Explicitly named for wastewater lift station service
LG10	Guided wave (rod/coaxial)	9.8 ft	316L wetted, for dirty/coating/crystallizing liquids

LEVEL & FLOW SWITCHES

LU10 • LZ12 • FT10

Series	Type	Material	Notable
LU10	Ultrasonic switch	PP/PFA	Only intrinsically safe switch, named for chemical/solvent/light oil
LZ12	Vibration switch	PP-Ryton	Explicitly named for wastewater service
FT10	Thermal dispersion flow switch	PP/PVDF	0.04–3 fps set point range, water or chemical service

All level switches rated -40°F to 176°F.

NEXT STEP

Send LibertyCES the process data, not a part number.

Level transmitters, switches, and flow switches – real Flowline model specs, but your actual application still has a specific chemical, concentration, and temperature that determines the correct wetted material.

Fluid, chemistry, concentration, temperature, tank geometry, and hazardous-area requirements – that's what a real spec review needs to start.

Request a spec review

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