

VENDOR CATALOG / POLY PROCESSING

# Poly Processing Catalog

SAFE-Tank double-wall containment, crosslinked polyethylene (XLPE) construction, IMFO outlet fittings, and OR-1000 rupture protection — 30+ years, 100+ LibertyCES-specified projects, zero specification failures.

## DOUBLE-WALL SECONDARY CONTAINMENT

## SAFE-Tank System

An outer tank fully contains the inner tank's entire volume, engineered as one integrated system rather than a separate tank-plus-berm containment afterthought.



### SAFE-Tank – Vertical, Cone-Bottom & Sloped-Bottom

Vertical · Cone Bottom · Sloped Bottom (IMFO outlet) · Horizontal · Open Top

Sodium Hypochlorite

Sulfuric Acid

Caustic Soda

Crosslinked polyethylene (XLPE) construction resists environmental stress cracking (ESCR) better than standard HDPE under long-term chemical exposure and UV load – the failure mode ESCR-rated resin is specifically engineered to avoid.

## OUTLET FITTING

## IMFO – Integrally Molded Flange Outlet



### IMFO Sloped-Bottom & Vertical Configurations

The outlet flange is molded as part of the tank wall itself rather than a separate bolted or welded bulkhead fitting — removing the seam that is typically the first place a bottom-outlet tank actually leaks. A sloped-bottom IMFO tank also fully drains, eliminating dead volume where solids or crystallizing chemistry can settle and concentrate.

## RUPTURE PROTECTION

## OR-1000 Overfill/Rupture Protection



### OR-1000

Engineered to arrest a tank failure before it becomes an uncontrolled release — a documented layer of protection beyond the tank's base pressure/stress rating, relevant anywhere a full-volume release would be a serious safety or environmental event.

## FALLBACK CAPABILITY

## Lined Steel & Custom Tanks



### Lined Steel Tanks & Custom Configurations

When a standard XLPE vertical, cone-bottom, or sloped-bottom configuration doesn't fit a required footprint, pressure rating, or structural load, Poly Processing's lined-steel and custom fabrication capability covers the gap rather than forcing a mismatched standard tank into the application.

### 30+ YEARS, 100+ PROJECTS

LibertyCES has engineered complete chemical storage systems specifying Poly Processing crosslinked polyethylene (XLPE) across 100+ projects with zero specification failures — SAFE-Tank, IMFO outlet, and OR-1000 selected against the real chemistry, concentration, and temperature of each installation, not a generic tank-by-volume catalog pick.

NEXT STEP

## Send LibertyCES the process data, not a tank size.

SAFE-Tank, IMFO, and OR-1000 – real containment engineering, but your actual application still has a specific chemical, concentration, temperature, and containment requirement that determines the correct configuration.

Fluid, chemistry, concentration, temperature, required capacity, containment volume, and site constraints – that's what a real spec review needs to start.

---

### Request a spec review

[james@libertyces.com](mailto:james@libertyces.com)

(559) 395-5500

[libertyces.com](http://libertyces.com)