

VENDOR CATALOG / CRANE CPE — XOMOX®

Crane CPE / XOMOX Catalog

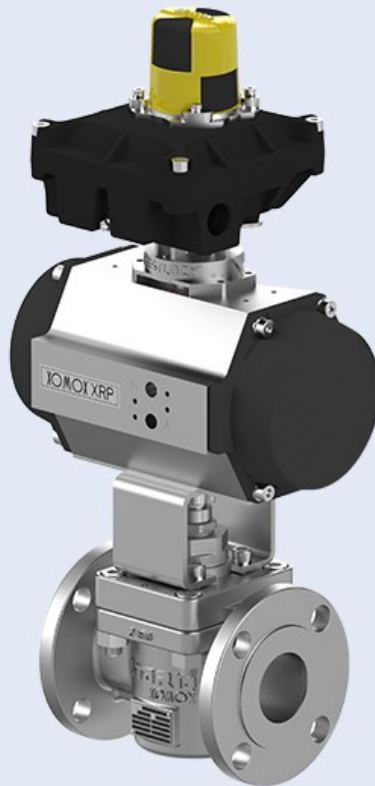
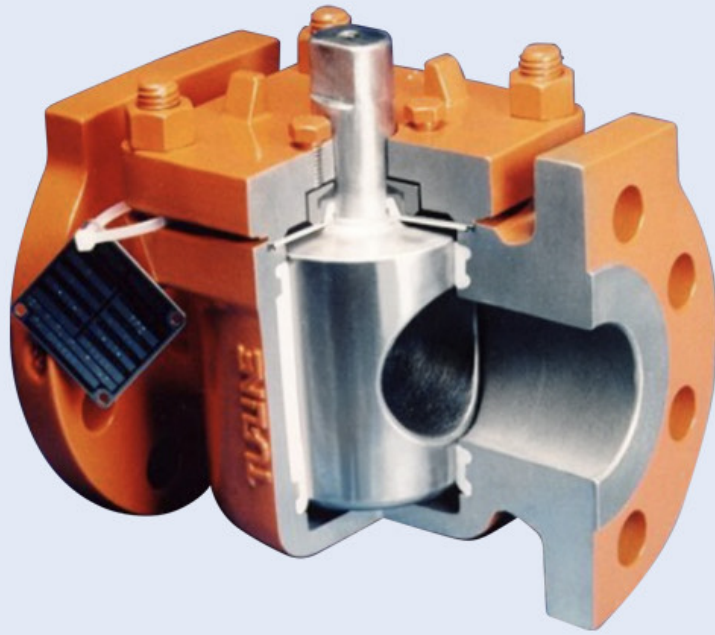
Sleeved plug valves, PFA/PTFE-lined valves, high-performance butterfly valves, soft-seated ball valves, and pneumatic actuators — four distinct valve architectures, real specs across every model.

TUFLINE® SLEEVED PLUG VALVES

Cavity-Free Plug Valve Architecture

A 360° port lip design and captive sleeve eliminate dead pockets where process media can collect, crystallize, or react – a structural alternative to ball/butterfly valves for crystallizing or cavity-sensitive chemistries like sodium hydroxide.

Model	Size Range	Rating	Notable
Full Port	1"-24"	Class 150/300/600	Up to 5x flow (Cv) vs. standard port, supports pipeline pig cleaning
Jacketed	1/2"-20"	Class 150/300/600	Full/partial heating jacket – sulfur recovery, tail gas, bitumen
Low Emission HF4D	1/2"-12"	Class 300	ISO 15848-1 + API 641, zero packing adjustments; HF Alkylation service
FE0	1/2"-16"	Class 150/300	<20ppm fugitive emissions; MDI/TDI, Chlor-Alkali, EDC, VCM, HCN chemistry list
L-TORQ	1/2"-6"	Class 150/300	Up to 50% lower actuation torque, replaceable modular PFA cartridge



PFA/PTFE-LINED VALVES

Locked-In Liner Construction

A fluoropolymer liner locks into a ductile iron or carbon steel body via cast dovetail recesses — mechanical strength of metal with the chemical inertness of PFA/PTFE at the wetted surface. No cavities where flow media can accumulate.

Model	Size Range	Rating	Notable
Lined Ball Valves XLB	1/2"–6" (to 12" avail.)	Class 150, PN16, JIS10	Patented SX stem seal; also available fully non-metallic (PFA/PVDF body+ball)
Lined Butterfly Valves XLD	2"–24"	Vacuum to 150 psi	Bubble tight after 10,000 open-close cycles
Lined Check Valves XLC	1/2"–12"	Class 150	Solid PTFE ball, short-pattern face-to-face
Lined Plug Valves	1/2"–12"	—	2-way and 3-way, full circumferential seal, Method 21 certified

Shared chemistry-service list across the family: Chlorine, Brine, Benzene, Bromine, Sulfuric Acid, Nitric Acid, Hydrochloric Acid, Phosphoric Acid, Sea Water.

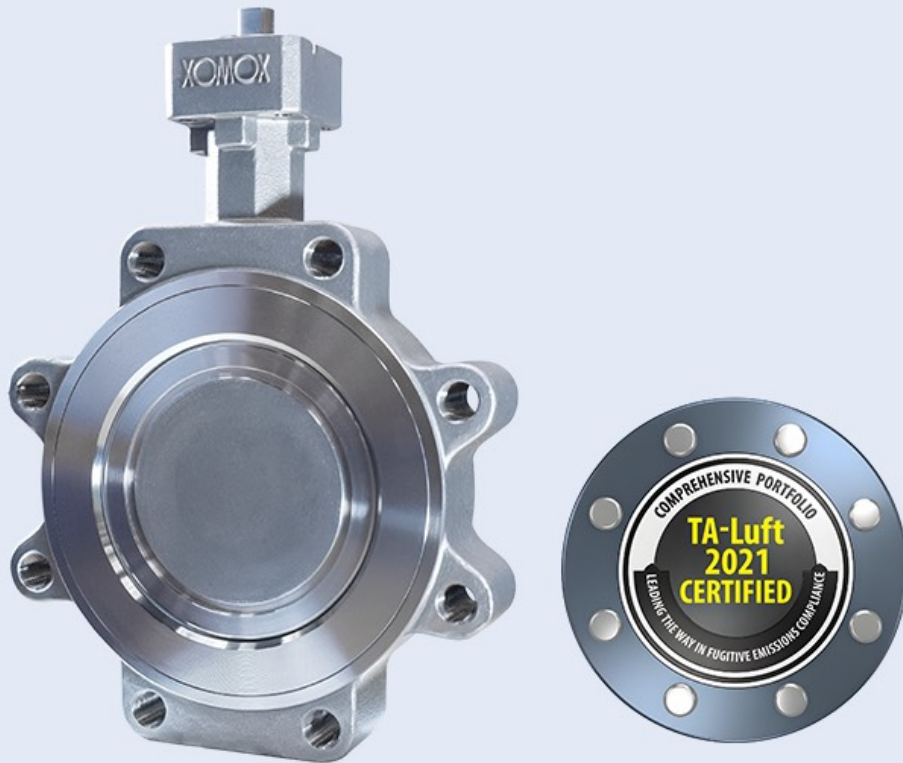
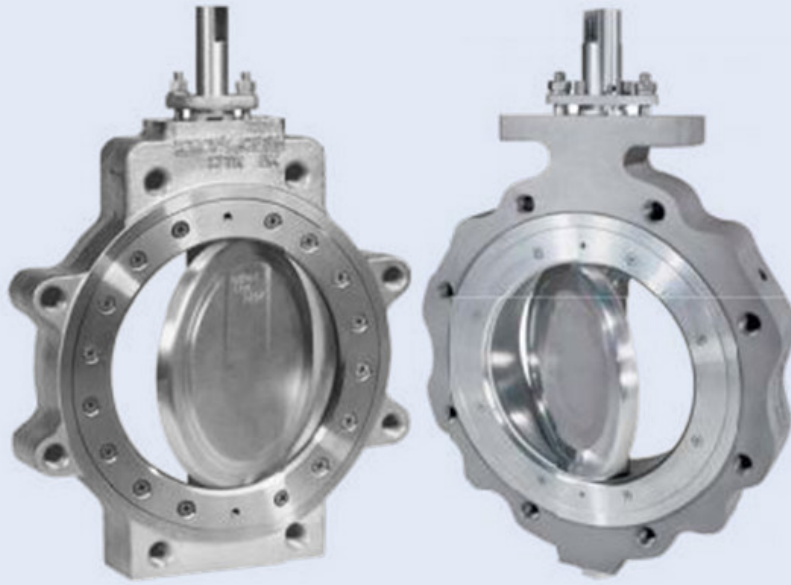


HIGH PERFORMANCE BUTTERFLY VALVES

Type 800 / Type 800ISO

Double-eccentric disc mounting and patented PTFE seat ring – the widest temperature and size range captured in the LibertyCES catalog, from -425°F cryogenic to +1,022°F Metal/Graphite seat, and up to NPS 108”.

Model	Size Range	Rating	Notable
Type 800	DN50–DN2800 / 3”–108”	PN10–100, Class 150/300/600	–70°C to +204°C standard, dry chlorine service datasheet available
Type 800ISO	3”–24” (to 102” option)	PN10–40, Class 150/300	1,000,000–cycle endurance rating; Metal/Graphite seat to +1,022°F
Special Purpose (Cryogenic / Steam-Traced / XeniTh)	3”–108”	Class 150/300/600	Cryogenic to -425°F; HF Acid and Sodium Hydroxide service confirmed



SOFT SEATED BALL VALVES & PNEUMATIC ACTUATORS

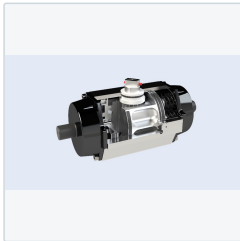
FK Ball Valves · XRP & MATRYX Actuators



FK Soft Seated Ball Valve

1/2"-12" · Class 150-300 · to 450°F

Three independent stem seals for fugitive-emissions control (EPA Method-21, ISO-15848, TA-Luft). Self-relieving seats, patented SX ball-stem design, fire-tested API 607. Chlor-Alkali, fertilizer, and refining service.



XRP Pneumatic Rack & Pinion Actuator

37-1350 Nm double-acting · ATEX IIC · SIL2/SIL3

The only pneumatic actuator in the LibertyCES catalog rated to SIL2/SIL3 (IEC 61508) and ATEX IIC/EN15714-3 hazardous-area compliance. Six real frame sizes.

NEXT STEP

Send LibertyCES the process data, not a part number.

Sleeved plug, lined, high-performance butterfly, and soft-seated ball valve architectures – real Crane CPE/XOMOX model specs, but your actual application still has a specific chemical, pressure class, and temperature range that determines the correct model.

Fluid, chemistry, concentration, temperature, pressure class, and line size – that's what a real spec review needs to start.

Request a spec review

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