

VENDOR CATALOG / HAYWARD FLOW CONTROL

Hayward Flow Control Catalog

Thermoplastic valves, chemfeed accessories, and metering pumps — a 20-chemical × 12-material resistance table and the TBH-Z vented ball valve for sodium hypochlorite.

CHEMICAL RESISTANCE REFERENCE

20 Chemicals × 12 Wetted Materials

Hayward's own compatibility table (A = Excellent, B = Good, C = Testing recommended, X = Not recommended). Valves with elastomers fully exposed to process media should be derated one level.

Chemical	PVDF	PTFE	EPDM	Viton	316 SS
Sodium Hypochlorite <20%	A	A	B	A	C
Hydrofluoric Acid 20%	A	A	X	A	X
Peracetic Acid 40%	A	A	B	A	—
Chlorine Dioxide	—	A	X	A	AB
Hydrogen Peroxide 30%	A	A	B	A	B
Sodium Hydroxide 20%	A	A	B	C	B

Peracetic Acid 40% is one of the most restrictive rows in the full table — CPVC, PP, PVC, and PVC-GF all rate X, with only PTFE and PVDF rating A.

SODIUM HYPOCHLORITE VALVE ENGINEERING

TBH-Z · CVH · TW Series

"The vent hole in the upstream side of the ball keeps sodium hypochlorite in the valve cavity in contact with fluid in the upstream piping, preventing off-gassing and crystallization."

Model	Size Range	Rating	Notable
TBH-Z Series	1/2"-6"	up to 250 PSI	Drilled ball specifically for sodium hypochlorite; black handle field ID
CVH Series	1/2"-6"	up to 250 PSI	Profile2 Characterized Ball for proportional/throttling control
TW Series	—	—	Horizontal three-way ball valve; TP/TN/TW porting options





METERING PUMPS

Z Series Solenoid Diaphragm Metering Pump

Digital adds closed-loop pH/Redox control dosing — a capability the analog interface cannot do.



Z Series Analog

1-29 GPH · 160-300 strokes/min · 3 model tiers

Constant Dosage, Timed Dosage, and Proportional Dosage modes. One-piece molded PVDF pump head, PTFE diaphragm standard, NEMA 4X/IP65.



Z Series Digital

Same envelope as Analog · adds closed-loop pH/Redox control

Proportional Dosage, Constant Flow, Timer, and pH/Redox Control modes — process-feedback-driven dosing the analog version cannot do.

NEXT STEP

Send LibertyCES the process data, not a part number.

Thermoplastic ball/butterfly/diaphragm valves, chemfeed accessories, and metering pumps — real Hayward Flow Control model specs, but your actual application still has a specific chemical and concentration that determines the correct material and model.

Fluid, chemistry, concentration, temperature, required flow rate, and dosing mode — that's what a real spec review needs to start.

Request a spec review

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