

VENDOR CATALOG / GRIFFCO VALVE

Griffco Valve Catalog

Chemical metering pump ancillary equipment – back pressure valves, injection quills, gauge guards, and a real quantified 98+% sulfuric acid material bulletin.

TECHNICAL BULLETIN

98+% Sulfuric Acid Material Options

At 98.3%+ concentration, sulfuric acid carries sulfur trioxide (SO₃), which attacks and causes stress fractures in both PVDF and Noryl. Real, quantified material options for back pressure and pressure relief valves:

Material	Max Concentration	Max Temperature
Noryl	95%	200°F
PVDF	95%	175°F
Halar (ECTFE)	100%	200°F
PTFE (flanged, one-piece)	100%	200°F
Alloy 20	100%	300°F

PTFE's compatibility advantage only holds in one-piece flanged construction – threaded PTFE connections are prone to leak from cold flow.

BACK PRESSURE & PRESSURE RELIEF VALVES

G-Series · M-Series · Unibody

Family	Sub-Series	Notable
Back Pressure Valves	G-Series, M-Series, High-Flow, Unibody	Also functions as anti-siphon valve; Unibody eliminates extra unions/fittings for leak-free connections
Pressure Relief Valves	G-Series, M-Series, High-Pressure, Unibody	Marketed as "high-pressure pump bypass valves" — protects against over-pressure from defective equipment or line blockage



Photo
Not Available

CHEMICAL FEED SYSTEM ACCESSORIES

Injection Quills · Gauge Guards · Y-Strainers

Family	Materials	Notable
Chemical Injection Valves/Quills	316SS, CPVC, PVC, PVDF, Hastelloy C, Alloy 20	Quills sold by insertion length (1.5"–24") – get this right for tank/pipe penetration depth
Gauge & Instrument Guards	316SS, CPVC, Hastelloy C	Economy/Mid/Premium build-quality tiers; glycerin-filled damping option
Y-Strainers	316SS, 316L SS, CPVC, PVC, Clear PVC	Mesh 20–325; flanged, socket, union, or threaded connections



NEXT STEP

Send LibertyCES the process data, not a part number.

Back pressure valves, injection quills, gauge guards, and Y-strainers — real Griffco model specs, but your actual application still has a specific chemical, concentration, and pipe/tank penetration depth that determines the correct model.

Fluid, chemistry, concentration, temperature, pressure, and insertion length — that's what a real spec review needs to start.

Request a spec review

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