

VENDOR CATALOG / NETAFIM

Netafim Catalog

Heap leach mining irrigation and subsurface drip wastewater dispersal – two distinct divisions, a real ALD70 diaphragm chemical resistance chart, and Bioline® effluent dispersal driplines.

MINING · HEAP LEACHING

ALD70 Diaphragm Chemical Resistance

The diaphragm material used across Netafim's 75/90/100 Series valve lines in mining/leaching service — a valve diaphragm elastomer, not a tank/pipe material.

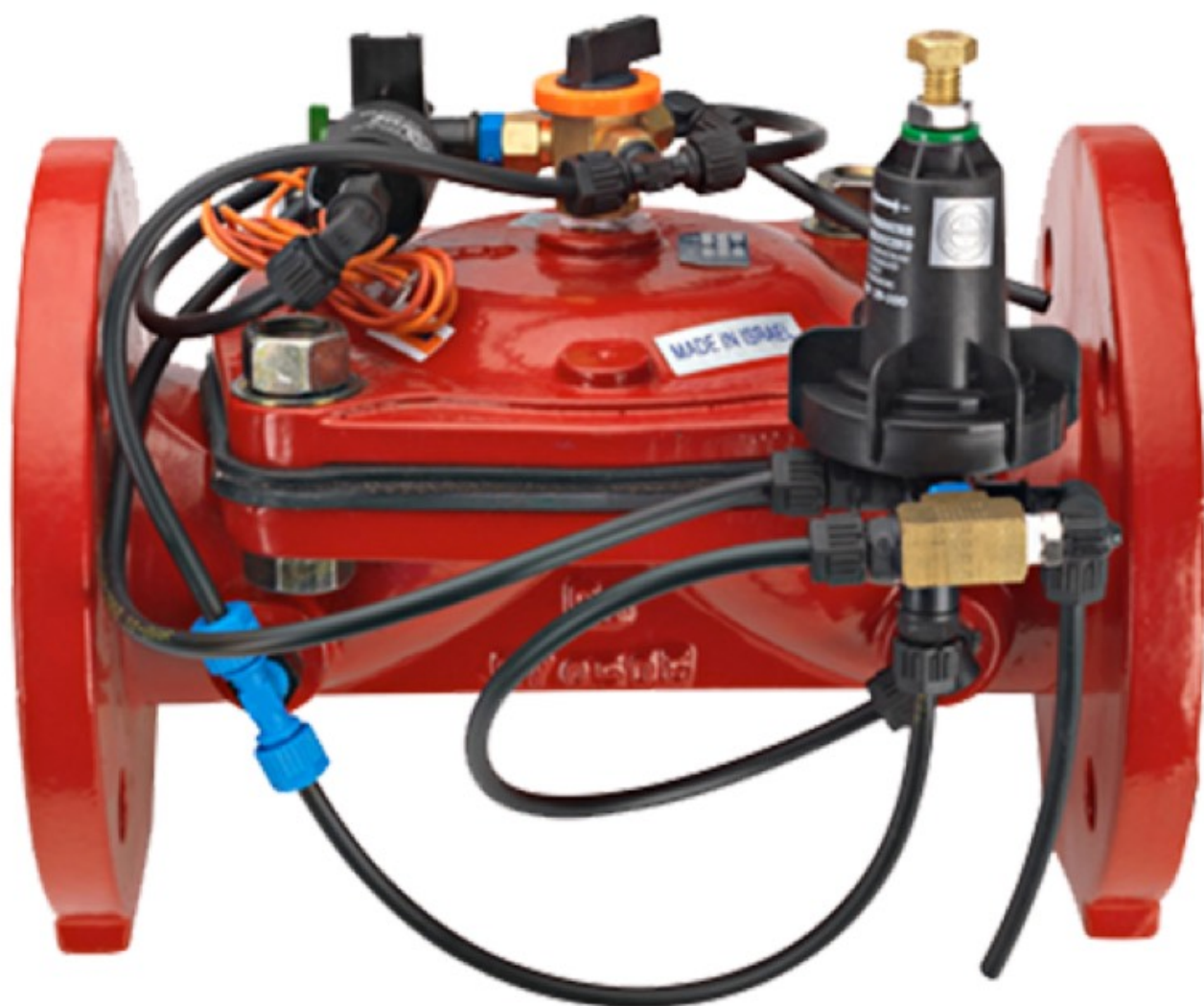
Chemical	Rating
Sulfuric Acid (H_2SO_4)	38°C max
Hydrochloric Acid (HCl)	Good 10% @ 25°C; Not Good 35% @ 100°C
Nitric Acid (HNO_3)	Not Good even at 10%
Chlorine Gas (Cl_2)	Not Good
Chlorine Dioxide (ClO_2)	Not Good
Sodium Hypochlorite (NaOCl)	Limit 80°C @ 100 mg/L; Limit 30°C @ 170 mg/L

Netafim's own catalog identifies Hastelloy as the direct substitute wetted material for chlorine gas, chlorine dioxide, and higher-concentration hypochlorite where ALD70 fails outright.

MINING VALVES & AIR VALVES

75 / 90 / 100 Series · D20/D25/D26 Air Valves

Model	Material	Max Pressure	Notable
75 Series	Polypropylene	10–12 bar	Diaphragm-actuated hydraulic/electric control valve
100 Series	Cast iron / Ductile iron / Bronze / SS	16–25 bar	Metal valve family for highest-pressure leaching applications
D20 Air Valve	Reinforced nylon/PVDF/Duplex/SST	0.05–16 bar	Continuous air gap design physically separates leach solution from the sealing mechanism
Leaching Control Skid	GFRP frame, PP manifolds	Cu 90 psi / Au 150 psi	Rated for raffinate to 110°F and barren cyanide solution to 100°F





WASTEWATER · SUBSURFACE DRIP DISPERSAL

Bioline® Effluent Dispersal Dripline

Delivers treated effluent into the biologically active soil horizon rather than surface-discharging it — soil breaks down the effluent while plants use its nitrogen/phosphorus content.

Spec	Value
Dripper flow rates	0.4, 0.6, or 0.9 GPH
Pressure compensation range	7-58 psi
Tubing	0.66" OD, purple-wrapped for non-potable ID
Recommended filtration	120 mesh
Root protection	Built-in physical barrier + antibacterial-impregnated drippers

FILTERS, VALVES & WATER METERS

Alphapollo™ · Iron/Nylon/PVC Valves · Octave®

"Nylon valves are ideal for mild corrosive and acidity levels in the water; PVC valves are ideal for higher corrosive and acidity levels in the water" — Netafim's own material-selection guidance.

Product	Spec	Notable
Alphapollo™ Disc Filter	IP65 smart controller	Named for wastewater applications and poor-quality surface water
2" Compact LP Disc-Kleen	Min pH 5, max 158°F	Only pH-rated spec in this capture; automatic self-cleaning
Octave® Ultrasonic Water Meter	±1.5% accuracy, 2"–12"	No moving parts, 10-year lithium battery life
Fertilizer Meters	±2% accuracy, 1"	Polypropylene or PVC body for chemical-line service





NEXT STEP

Send LibertyCES the process data, not a part number.

Heap-leach mining irrigation and subsurface drip wastewater dispersal – real Netafim model specs, but your actual application still has a specific chemical, concentration, and flow requirement that determines the correct model.

Fluid, chemistry, concentration, temperature, filtration requirements, and site terrain – that's what a real spec review needs to start.

Request a spec review

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