Liberty

VENDOR CATALOG / RICHTER CHEMIE-TECHNIK

Richter Chemie-Technik Catalog

Sealless magnetic-drive centrifugal pumps and PTFE/PFA-lined valves for aggressive chemical service — German-engineered, ENVIPACK maintenance-free stem sealing.

CENTRIFUGAL MAGNETIC DRIVE PUMPS

MNK · MPB · QMD · RM

> Eddy-current-free CFRP/PTFE containment can on MNK and RM — a real energy-efficiency differentiator not seen from other mag-drive vendors in this catalog. Rare-earth SmCo and NdFeB permanent magnets.

Family	Lining	Temp Range	Notable
MNK Heavy Duty	PFA/PTFE/PFA-conductive	-60°C to +200°C	Widest range of the 4 families; MNK-X vortex-type for solids-laden media
MPB Peripheral	PFA	-60°C to +150°C	Safely pumps liquids with up to 30% gas content, self-priming
RM Medium Duty	PFA	-30°C to +150°C	"Does not require O-rings" — ISO and ASME dual-standard variants


EN-JS 1049/PFA


RMI
Richter

PFA-LINED BALL VALVES

BVA · KA-N · KK · KN/KNA · KNR

> ENVIPACK is Richter's own trademarked maintenance-free self-adjusting stem seal — standard across the entire ball valve range.

Model	Size Range	Pressure	Notable
KA-N Bottom Drain	2″/1″-6″	16 bar	ENVIPACK stuffing box, cost-effective bottom-drain alternative
KK Compact	DN25–DN150	16 bar	Sandwich/flangeless design minimizes face-to-face AND weight
KN/KNA Heavy Duty	DN15–DN200 / 0.5″–8″	16 bar	ISO and ASME variants, DIN EN ISO 15848-1 + SIL certified





BUTTERFLY & CHECK VALVES

NK · RV · SR

Model	Size Range	Notable
NK Butterfly	2"–40" / DN50–DN1000	Widest size range of any Richter valve; triple stem sealing, PFA disc + PTFE body lining
RV High Capacity Check	DN150, DN200	Purpose-built for large-diameter check valve service, vacuum-resistant
SR Sight Glass Check	DN25–DN150	Integrated sight glass on a check valve — real dual-function product





BELLOWS-SEALED CONTROL VALVES

HV · RSS

> "Chlor application: special design for particularly long service life" — RSS's explicit chlorine-service durability claim.

Model	Function	Size Range	Notable
HV	Shut-off	1"–4" / DN15–DN100	Hastelloy C-bellows option for aggressive chemistries
RSS	Control	0.5"–6" / DN15–DN150	Thick-walled PFA lining for maximum permeation resistance, SIL certified





NEXT STEP

Send LibertyCES the process data, not a part number.

Magnetic drive pumps, lined ball/butterfly/check valves, and bellows-sealed control valves — real Richter model specs, but your actual application still has a specific chemical, concentration, and pressure class that determines the correct model.

Fluid, chemistry, concentration, temperature, pressure, and gas-content tolerance — that's what a real spec review needs to start.

Request a spec review

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