

Safety & Relief Valve Test Benches

CAPABILITY SHEET - SET PRESSURE + RESEAT + SEAT TIGHTNESS (IBR/API PATTERN) - ENGINEERED TO ORDER

THE SYSTEM

WHAT	Safety and relief valve test benches - the machines that rehearse the one second a safety valve exists for: set pressure, reseal, seat tightness.
OUR ROLE	Neometrix engineers the benches, clamps, sources, detection, records, portable testers and installation, then verifies to the codes and supports.
STATUS	Engineered to order; quoted across safety-valve test-bench and relief-valve tester requirements. No delivered bench is claimed.

THE BENCH

CLAMP + SOURCE	Quick-clamp tables with hydraulic arms - flanged and screwed valves, no re-piping - fed by air, N2 or water with accumulator volume that keeps the pop honest.
RAMP + DETECT	Rate-disciplined slow ramps, precision transducers, audible and electronic pop detection - the observed set pressure recorded against the nameplate.
TIGHTNESS	The API-pattern bubble method - leakage through a submerged tube, bubbles per minute counted against the standard's table: witnessed physics.

THE RULE

ONE SECOND	A safety valve does nothing for years, then must open, relieve and reseal perfectly - the bench makes that second happen on a schedule, on record.
THE CALENDAR	Boiler rules, vessel rules and refinery patterns put every valve on a periodic test calendar - the bench is where the calendar is kept.
TWO DISCIPLINES	This bench proves protection devices; the delivered control-valve rigs characterise working valves - cross-linked, never confused.

DISTINCT & HONEST

THE FORMS	Workshop benches, high-capacity flange benches, boiler-house systems - and portable testers that carry the proof to ships and sites.
OUR FRANCHISE	Benches, clamps, sources, detection, records and safety engineering are ours; precision instruments and reference gauges are bought-in certified.
ENGAGEMENT	Send the valve range, the media and the calendar to sales@neometrixgroup.com for a clause-by-clause compliance matrix in two working days.

DEFENCE PROGRAMMES DESK

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