

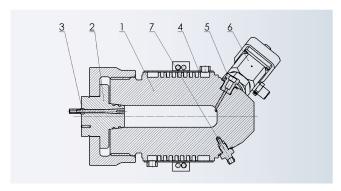
APPLICATIONS

The **RB Series** apparatus is used for measuring the burning pressure profile of gun propellants.

The **RB Series** are especially suitable for research, development and quality control in the manufacture and in-service surveillance of gun propellants.

ADVANTAGES & FEATURES

- Heavy-duty closed vessels made of high-strength stainless steel
- ▶ Working pressure up to 500 MPa
- ▶ 600 MPa proof pressure tested by burning gun propellants
- ▶ An analyzer for proper electric ignition and signal analysis
- ► The ABSW[™] software for operation and evaluation of results
- Unique design of the test vessels allows for easy access for their cleaning
- ▶ Upgradable for remote opening of one valve



RB 200 vessel on support stand with Chiller unit and schematic vessel parts: (1) Pressure vessel (2) Breech nut with lid (3) Electrical ignition (4) Water cooling jacket (5) Pressure transducer adapter (6) Gas release valves (7) Temperature sensor

COMPLIANCE

- STANAG 4115
- MIL-STD-286C

Offered closed-vessel volumes:

Version	Standard	On demand
Volume [cm ³]	200, 500, 700	100, 400, etc.

Examples of the use of closed vessels

Type/ Volume [cm³]	Limiting vivacity L [MPa ⁻¹ s ⁻¹] at 250 MPa	Sample weight [g] for loading density 0.2 g cm ⁻³	Examples of testing samples – main powder from std ammunition of
TSV 10	13	2	44 Remington Mag. or bigger
TSV 20	9	4	.22 Hornet, .222 Remington, .223 Remington, .30 Carbine, 7.62×39 or bigger
TSV 40	6.5	8	9.3×62, 7.62×54 R, .30-06 Springfield, 7×57, 7×57 R, 7×65 R and 7×64 to 8×57 IS, 5.6×52 R, .223 Remington or bigger
TSV 100	4.6	20	12.7 mm, .50 Browning or bigger
RB 100	5.1	20	12.7 mm, .50 Browning, 30 mm-2A42, 30×173 or bigger
RB 200	3.7	40	155 mm short range, 30×273 mm, 23×157 mm, 30×273 or bigger
RB 400	3.1	80	155 mm short and long range, 125 mm tank, 23×157 mm or bigger
RB 500	3	100	155 mm short and long range, 125 mm tank, 23×157 mm or bigger
RB 700	2	140	155 mm long range, 125 mm HE (OF) tank or bigger

NOTE: The recommended minimum number of sample grains is 10–30 pcs per one test.



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