R.K. Instruments & Controls

TECHNICAL DATASHEET

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Dungs Valve Proving System VPS 504 S04

Brand: Dungs | Code/Part No.: 219881 | Category: VALVE PROVING SYSTEMS

Specifications

Type	**VPS 504 S04**
Part Number (Art. Nr.)	**219881**
Function	**Automatic Valve Proving (Leak) Test System for Safety Shut-Off Valves**
Max. Operating Pressure	**500 mbar / 50 kPa (7 PSI)**
Test Volume (Pipeline)	**Up to 4 litres**
Test Cycle Duration	**Approx. 10–26 seconds**
Duty Cycle	**100% duty, max. 20 test cycles/hour**
Supply Voltage	**~(AC) 230V, 50Hz (-15°C to 70°C) or ~(AC) 240V, 50Hz (-15°C to 60°C)**
Max. Current	**4A (SPDT relay output)**
Connection Type	**Screw terminals (S04 variant)**
Protection Class	**IP54**
Standards	**EN 1643 / DIN 1643, EN 746-2, CE 0036**
Country of Origin	**Germany**
Manufacturer	**Dungs**



Description

The Dungs VPS 504 S04 is an automatic valve proving system that tests the leak-tightness of both safety shut-off valves in a gas train before burner start-up (and, on some systems, after shutdown), per EN 1643 / DIN 1643. It pressurizes the pipeline section between the two valves (up to 4 litres test volume) and monitors for pressure decay over a roughly 10–26 second test cycle; if either valve is leaking, the system locks out and blocks ignition (red Lockout indicator), while a successful test allows the burner sequence to proceed (yellow Run indicator). Rated for up to 500 mbar (50 kPa) inlet pressure, IP54 enclosure, screw-terminal (S04) connection, supporting 230V/240V AC 50Hz supply with a 4A SPDT output relay. Commonly used as the integrated proving module within Dungs flanged gas train assemblies. Manufactured by Dungs, Germany.

Typical media compatibility: CNG, PNG, LPG, Air, Nitrogen — confirm against application before installation.