R.K. Instruments & Controls

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Dungs Valve Proving System VPS 504 S02

Brand: Dungs | Code/Part No.: 219877 | Category: VALVE PROVING SYSTEMS

Specifications

Type	**VPS 504 S02**
Part Number	**219877**
Function	**Automatic Valve Proving (Leak) Test System for Safety Shut-Off Valves**
Max. Operating Pressure	**500 mbar / 50 kPa (7 PSI)**
Max. Body Pressure	**1000 mbar / 100 kPa (15 PSI)**
Test Volume (Pipeline)	**Up to 4 litres**
Test Cycle Duration	**Approx. 10 seconds (max. 36 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**
Connection Type	**7-pole plug connection with male connector, 1.5m cable (S02 variant)**
Protection Class	**IP40**
Weight	**1.2 kg**
Standards	**EN 1643, CE 0036 (AGA 5272 G)**
Country of Origin	**Germany**
Manufacturer	**Dungs**



Description

The Dungs VPS 504 S02 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, per EN 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-second test cycle (max. 36 seconds); if either valve is leaking, the system locks out and blocks ignition (red Störung/Lockout indicator), while a successful test allows the burner sequence to proceed (yellow Betrieb/Run indicator). Rated for up to 500 mbar (50 kPa) inlet pressure and 1000 mbar (100 kPa) max body pressure, IP40 enclosure, with a 7-pole plug connection and male connector (1.5m cable, S02 variant) — differing from the S01's integrated plug/cable design and the S04's screw-terminal connection. Supports 230V/240V AC 50Hz supply, 4A. Commonly used as the integrated proving module within Dungs gas train assemblies. Manufactured by Dungs, Germany.

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