R.K. Instruments & Controls

TECHNICAL DATASHEET

FLOW & FLAME CONTROL | Office No. 12, 1st Floor, Dhamanwala Service Complex, G.I.D.C., Pandesara, Surat - 394221, Gujarat, India
Phone: +91 9824136145 Email: rkic1976@gmail.com Web: www.rkic.in

Dungs Valve Proving System VPS 504 S01

Brand: Dungs | Code/Part No.: 219876 | Category: VALVE PROVING SYSTEMS

Specifications

Type	**VPS 504 S01**
Part Number	**219876**
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	**Integrated plug/cable connector, 2m cable (S01 variant)**
Protection Class	**IP40**
Weight	**2.0 kg**
Standards	**EN 1643, CE 0036 (ID-No. CE-0085AP0168)**
Country of Origin	**Germany**
Manufacturer	**Dungs**



Description

The Dungs VPS 504 S01 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 an integrated plug/cable connector (2m cable, S01 variant) — differing from the screw-terminal S04 variant. 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.