

GLAND PACKING & STATIC SEAL PRINCIPLES



seals

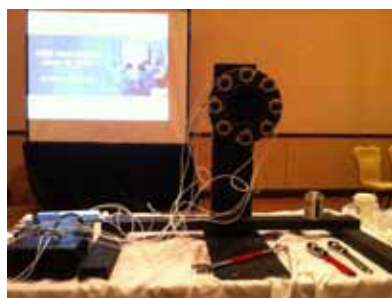
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William G. Search Ltd. value the need for training. On-site courses and toolbox talks support our products in the field. Residential courses offer focused learning away from the daily demands of maintenance and engineering professionals.

EC CERTIFIED COURSES ON:

Pump Principles

Mechanical Seal Principles

Gland Packing

Static Sealing

ON SITE TRAINING

All EC Certified Courses

Seal Installation

Flange Sealing

Valve Sealing

Live Loading

Toolbox Talks

William G. Search Ltd.
Whitehall Road,
Leeds, LS12 6EP
Registered Office:
Whitehall Road, LS12 6EP
Registered in England:
407145
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Gland Packing and Static Sealing Principles

- Identify and describe packing materials and constructions
- Define a Compression Packing and Basic Terminology
- Define Packing Sets, Packing Gland, Stuffing Box and a Lantern Ring
- Butt Joint versus Skive Joint
- Packing Requirements: The pH Scales, Galvanic Corrosion, Inhibitors
- Motions to be Sealed
- Live-loading - Retrofit of Existing Equipment and Benefits
- Flange Live-loading Systems
- Valve Live-loading Systems
- Pump and Rotating Equipment Live-loading
- Fugitive Emissions, Volatile Hazardous Air Pollutants (VHAP)
- Thermal Cycling and Vibration
- Live-loading Components Physical Characteristics
- Flange and Heat Exchangers and Live-loading Sealing
- Bolting and Lubrication
- Flange Face Types Surface Scale and Residual Gasket Material
- Static and Dynamic Valves, Flange Pressure Class Ratings
- Flange Rotation & Hydrostatic End Thrust
- Non-metallic Gasket Styles Non Asbestos Fibres, Graphite & PTFE
- Metallic Carrier Gaskets, Spirals, camprofiles, Steel Traps
- Gasket Testing, Selection and Trouble shooting
- Identify and describe the various mechanical seal types.

