

SilcoNert[®] 2000 (Sulfinert[®]) Coated Products



FITOK

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SilcoNert® 2000 (Sulfinert®) Coating

Introduction

Natural gas samples often contain varying amounts and types of sulfur compounds, which can interfere with reaction or poison catalysts in many petrochemical processes. Because sulfur compounds quickly react with stainless steel surfaces, accurate determination of these compounds is impossible when using untreated sample cylinders. SilcoNert® 2000 (Sulfinert®) technique bonds an inert silica layer into the surface of the stainless steel. This layer acts as a barrier, preventing active compounds from reacting with or adsorbing to the stainless steel. Sulfur and mercury compounds exhibit greatly increased stability to SilcoNert® 2000 (Sulfinert®) coated cylinder, which can be applied to the following fields: analytical process, environment detection, downhole sampling from petroleum and natural gas wells, as well as monitoring and control of oil refining and petroleum processes.

SilcoNert® 2000 (Sulfinert®) Coated Sample Cylinders

- ◎ SilcoNert® 2000 (Sulfinert®) coating to provide stable storage of sulfur and mercury compounds at ppb levels in petroleum samples for a long time
- ◎ SilcoNert® 2000 (Sulfinert®) coating not flaking off and more durable than Teflon coating
- ◎ TPED/DOT certified or non-DOT specification cylinders optional
- ◎ Single-ended and double-ended cylinders available
- ◎ Standard end connection: 1/4" female NPT



SilcoNert® 2000 (Sulfinert®) Coated Valves

Needle Valves

- ◎ All wetted components SilcoNert® 2000 (Sulfinert®) coated
- ◎ Maximum working pressure up to 5,000 psig (345 bar)
- ◎ Working temperature: -28°C~204°C (-20°F~400°F)
- ◎ Nonrotating stem and durable PCTFE or PEEK soft seat for leak-free performance
- ◎ Standard end connection compatible with the sample cylinder, other end connections available

Ball Valves

- ◎ Valve body and ball SilcoNert® 2000 (Sulfinert®) coated
- ◎ Maximum working pressure up to 3000 psig (207 bar)
- ◎ Working temperature: -54°C~148°C (-65°F~300°F)
- ◎ One-piece body and one-piece ball stem
- ◎ 2-, 3-, 4-, 5-, 6- and 7-way models for on-off, switching and crossover service available
- ◎ Pneumatic or electric actuator available

SilcoNert® 2000 (Sulfinert®) Coated Tubing and Fittings

Tubing

- ⦿ Internal and external surfaces of the stainless steel tubing SilcoNert® 2000 (Sulfinert®) coated
- ⦿ Used with SilcoNert® 2000 (Sulfinert®) coated tube fittings
- ⦿ Polished external surface free of visual scratch to ensure reliable seal with tube fittings



Tube Fittings

- ⦿ All components SilcoNert® 2000 (Sulfinert®) coated except the nut
- ⦿ Precisely machined components to ensure perfect deformation of the ferrules and tubing
- ⦿ Hardened threads with smooth surface finish to avoid galling and help extend the fitting service life
- ⦿ Easy to disconnect and retighten
- ⦿ Multiple configurations available

Quick-connects

- ⦿ All wetted components SilcoNert® 2000 (Sulfinert®) coated except the O-ring
- ⦿ Single-end shutoff, double-end shutoff and full-flow quick-connects available
- ⦿ Push-to-connect coupling for quick and easy operation
- ⦿ Sturdy locking mechanism with large contact area to ensure reliable stem retainment

Ordering Information

Other valves and fittings with SilcoNert® 2000 (Sulfinert®) coating are also available upon request. Please contact FITOK Group or authorized distributors for more information.

If you need to order SilcoNert® 2000 (Sulfinert®) coated products, please add "-SI" as a suffix to the standard ordering number. For example, if the standard ordering number of sample cylinder is 6L-SC18-DN4-300, then the ordering number of SilcoNert® 2000 (Sulfinert®) coated sample cylinder should be 6L-SC18-DN4-300-SI.

FITOK Group

FITOK GmbH

Sprendlinger Landstr. 115, 63069 Offenbach am Main, Germany
Tel.: +49 69 8900 4498 Fax: +49 69 8900 4495

FITOK, Inc.

13843 North Promenade Blvd., Suite 750, Stafford, Texas 77477, USA
Tel.: +1 281 888 0077 Fax: +1 281 582 4051

FITOK (Wuhan) Incorporated

Zhongbai Yangluo Industrial Park, Hanshi Road, Xinzhou District,
Wuhan, Hubei Province, 430415, China
Tel.: +86 27 8983 8988 Fax: +86 27 8983 8980

FITOK (Shenzhen) Incorporated

No.164 Xinqu Village, Tiantou Community, Shijing Street,
Pingshan District, Shenzhen 518118, China
Tel.: +86 755 2803 2500 Fax: +86 755 2803 2619

FITOK (Suzhou) Metal Products Co., Ltd.

No. 29 Changsheng Road, Yangyuan Industrial Park, Xinzhuang
Town, Changshu, Jiangsu 215562, China
Tel.: +86 512 5247 9001 Fax: +86 512 5247 9002

FITOK Middle East Oil Equipment Trading LLC

Makateb Building, P.O. Box 185412, Airport Road, Deira, Dubai, UAE
Tel.: +971 4 2959 853 Fax: +971 4 2959 854

info@fitokgroup.com
www.fitokgroup.com

