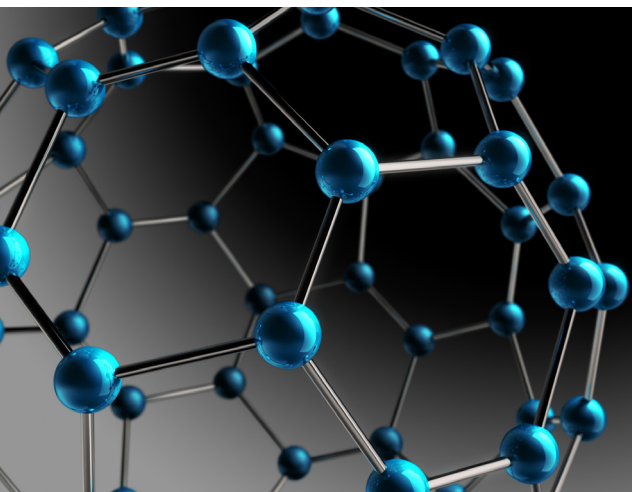


PERTEC® CIP/SIP FKM



In many industries the requirements for high tech materials become more and more demanding. Where the automotive industry has a great need for low permeability and good abrasion resistance, the oil drilling industry demands high elongation and hardness and for the electronic and food industry FDA compliance and low release of metal ions is essential. Staying competitive means keeping up with the newest technology and adapt to the according new challenges.

PERTEC® CIP FKM was developed and produced for the use wher-ever the cleaning in place (CIP) or sterilization in place (SIP) method applies. Industries that rely heavily on CIP and SIP are those requiring high levels of hygiene, and include: food, pharma and medical.

In these methods components are exposed to aggressive chemicals like cleaning media and also to high temperatures and fat concentration. PERTEC® CIP FKM was especially designed to meet those requirements as it needs to ensure the reliable longterm operation of the respective machine.

PERTEC® CIP FKM complies with all the required regulations for the food, pharma and medical industry.

Features

- For static and dynamic applications
- Approvals for the food, pharma and medical industry
- CIP and SIP resistance
- Very high fluorine content
- Blue colored

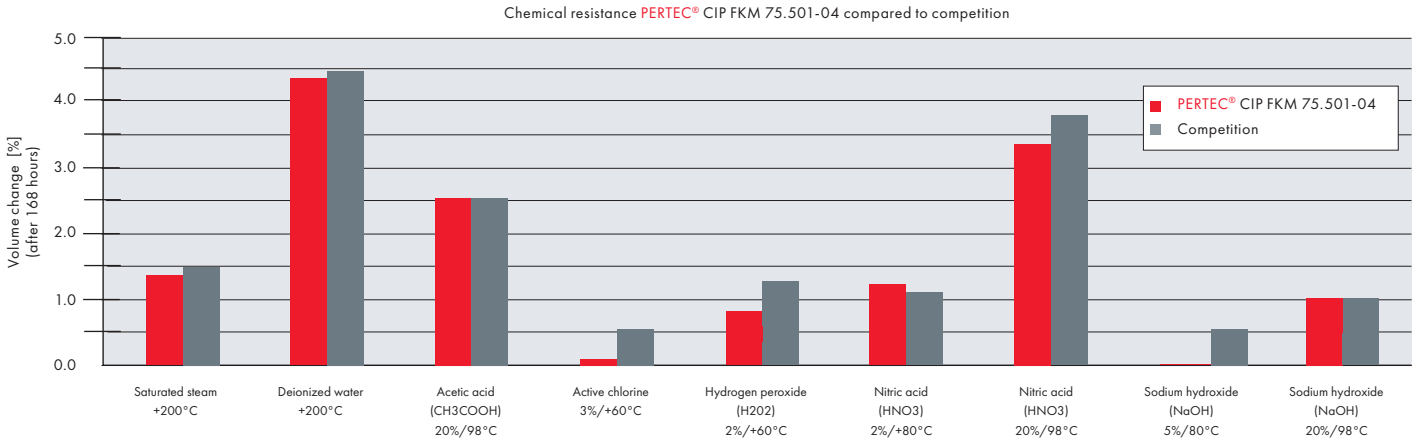
Benefits

- High temperature resistance up to +200°C
- Broad resistance against aggressive chemicals like concentrated acids (f.e. nitric acid) and oxidizing substances (f.e. hypochlorite)
- Low gas permeability
- Low friction, good abrasion resistance

Our contact details

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PERTEC® CIP FKM performance*




*This information is based on our available data. These values are measured on standard test specimens and are within the normal tolerance range of material properties and do not represent guaranteed property values. Therefore they shall not be used for specification purposes.

Certificates

PERTEC® CIP FKM complies with the following regulations for the food, pharma and medical industry:


3-A Sanitary Standard Number 18-03 Class I	PAHs requirements acc. Regulation (EU) No 1272/2013
ADI free	Phthalate free
BfR XXI (Natural and synthetic rubber) Category 4	SR 817.023.21
BNIC (Bureau National Interprofessionnel du Cognac)	USP Class VI chapter 87 and 88, 121°C
D.M. 21/03/1973 (migration test only)	
Dlgs 25.01.1992 n. 108 Art. 2 Porte D	
EC 1935/2004 article 3	
FDA - CFR 21 - 177.2600 food a) - f)	
French Arrêté 05/08/2020 (migration test)	
GB 4806.11-2016	
KIWA NSF/ANSI 51 formulation	
LFGB § 30/31	
Mercosur GMC 54/97 (migration test)	
PAH Category 1 (AfPS GS 2014:01)	





EC No.1935:2004




Risiken erkennen – Gesundheit schützen











U.S. Pharmacopeial Convention



Upon request Angst + Pfister can offer many more approvals.

Industries/Segments				Typical Products
Pharma 	Chemical 	Food & Beverage 	Medical 	O-rings Moulded parts Membranes Dynamic seals