

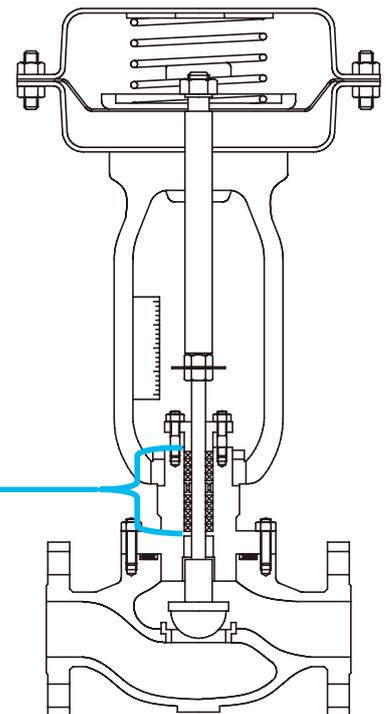


Emission Defence Packing  
Packing for Low-Torque Adjusting valve

# EDP19 for valves

**Pillar Style No.4519, one of the series of EDP® (Emission Defence Packing), is designed for a control valve**

**Pillar Style No.4519 is a packing which the core is made of carbon fiber threads. The surface of the packing is covered with a braided PTFE yarn. This packing is a combination of the PTFE fiber and carbon fiber. The PTFE fiber excels in low sliding friction property and the carbon fiber excels in both heat resistance and elasticity. The small sliding resistance of this fiber makes it suitable for adjusting valves.**



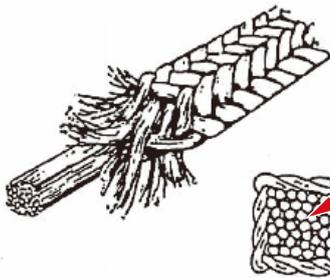
- Low sliding friction**
- High gas sealability**
- Excellent chemical resistance**



### Specification

- pH** : 0 to 14
- Temperature** : 260°C
- Pressure** : Max 10.3 MPa (ASME class 600)
- Application** : 1) Refinery, Petro-chemical  
2) Chemical  
3) Cryogenic  
4) Power plant, e.t.c.

## Structure

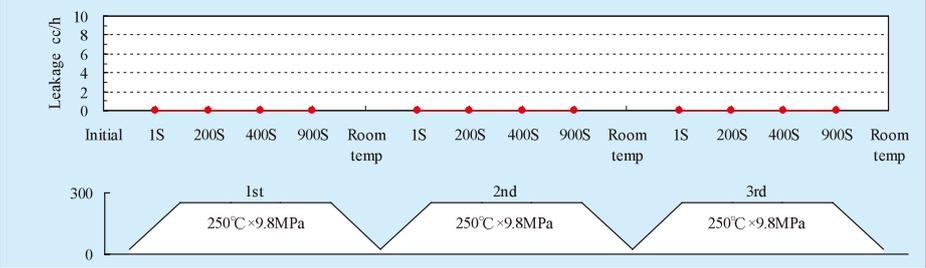


*The core made of carbon fiber threads*

*The sheath made of braided PTFE yarn*

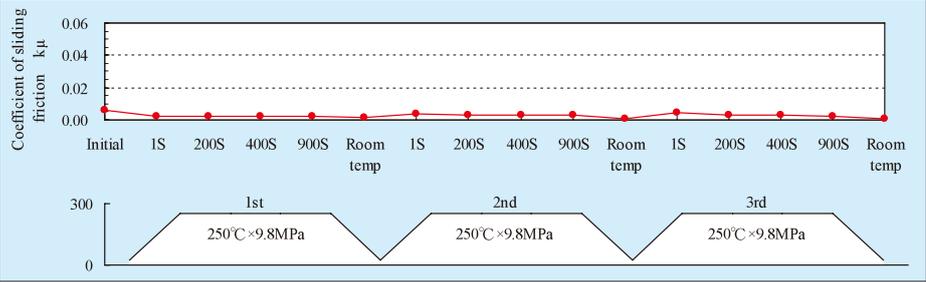
## Sealing Performance

### 1) Characteristics of seal ability in hot water



Test condition	
Pillar Style No.	4519
Size	φ20× φ33× t6.5
Arrangement	6+ Lantern ring +2
Fluid	Hot Water : Pressure = 9.8MPa : Temperature = 250°C
Tightening stress	29.4N/mm <sup>2</sup>
Sliding condition	Stem stroke : 25mm Stem speed : 10mm/sec Cycle time : 15sec
Total sliding number	2,700 strokes

### 2) Characteristics of sliding friction in hot water



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CAUTION
Follow the instructions, before installation and operation, for your safety.

\* Specifications and dimensions are subject to change without prior notice.  
 \* The data on this catalogue are solely for your reference and are not to be construed as constituting a warranty.  
 \* EDP® is registered trademark of Nippon Pillar Packing Co., Ltd