

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**

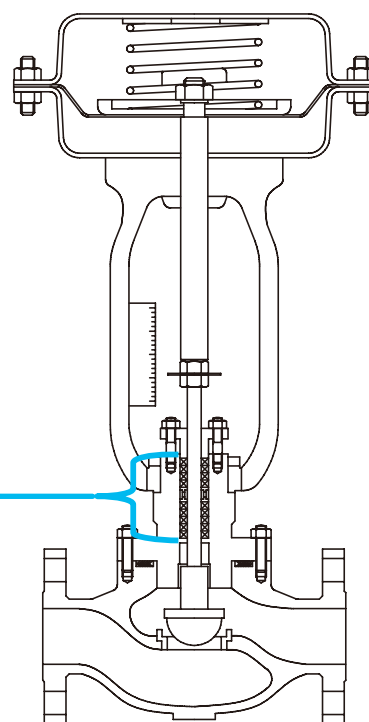
**Pillar Style No.4519 is a packing which the core is made of carbon fiber threads.**

**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**

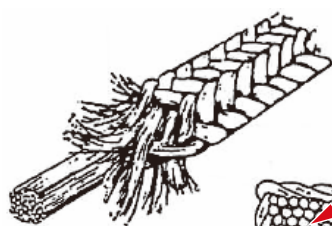
**High gas sealability**

**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

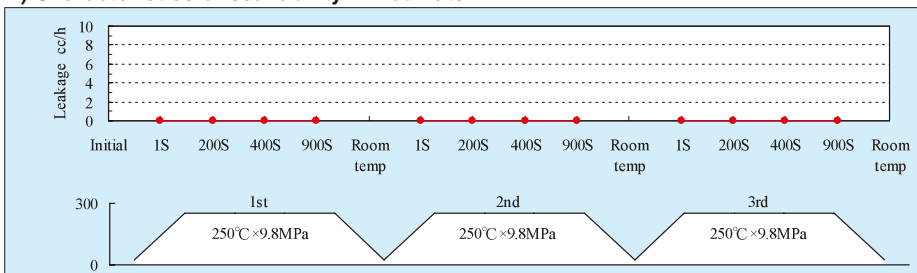


*The core made of carbon fiber threads*

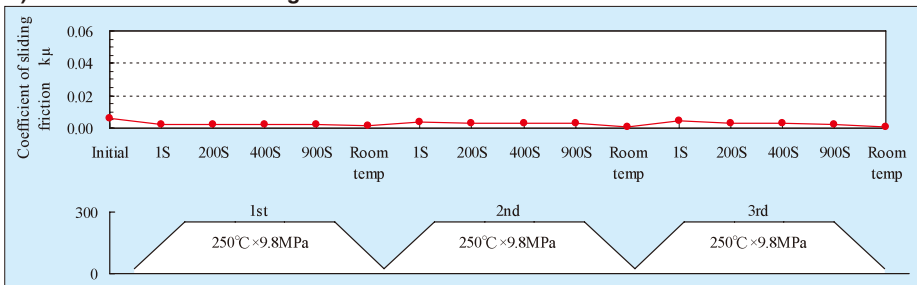
*The sheath made of braided PTFE yarn*

## Sealing Performance

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



### 2) Characteristics of sliding friction 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

**PILLAR**

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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.  
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