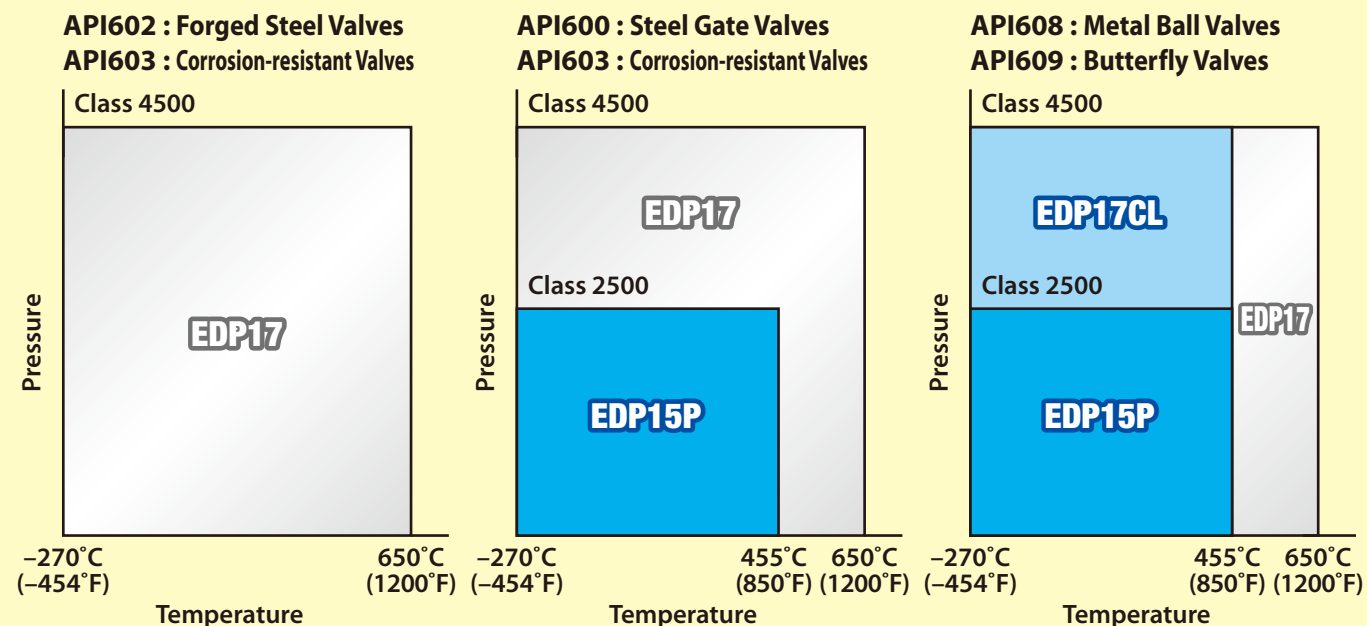


Selection Chart



GLOBAL NETWORK

HEADQUARTERS

Osaka, Japan

NIPPON PILLAR PACKING CO.,LTD.

Tel : +81-6-7166-8229 Fax : +81-6-7166-8513

URL : <http://www.pillar.co.jp>

E-mail : info@pillar.co.jp



ASIA

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SHANGHAI PILLAR TRADING CO., LTD.

Tel : +86-21-6208-7711 Fax : +86-21-6235-0501

URL : <http://www.pillar-cn.com/>

E-mail : sales@sh.pillar-cn.com

Taipei, Taiwan

TAIWAN PILLAR INDUSTRY CO., LTD.

Taipei Office

Tel : +886-2-2587-1911 Fax : +886-2-2585-3131

URL : <http://www.taiwanpillar.com.tw/>

E-mail : sales@taiwanpillar.com.tw

Seoul, Korea

KOREA PILLAR PACKING CO., LTD.

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URL : <http://www.koreapillar.com/>

E-mail : webmaster@koreapillar.com

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Houston Headquarters, TX

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Alger Liaison Office

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E-mail : satoshi.maeno@pillar.co.jp

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® and PILLARFOIL® are registered trademark of Nippon Pillar Packing Co., Ltd.

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Emission Defence Packing
Pillar EDP® Packing Series

EDP17CL

for Valves

Features

- Applicable to high frequency of opening and closing of valve
- Keeping graphite from sticking to valve stem
- **API622 Certified**

Design concept

- Flexible graphite packing suitable for quarter turn valves
- Impermeable structure
- Low-friction because of special ID treatment
- Low-emission packing sets available with reduced height end rings



Packings / Gaskets / Mechanical Seals / Pilaflon(PTFE) products
NIPPON PILLAR PACKING CO.,LTD.

GPLC 1242C-1

Pillar style EDP17CL (P/#6617-CL+P/#6710CL) one of EDP® Series Packing, is designed for quarter turn valves.

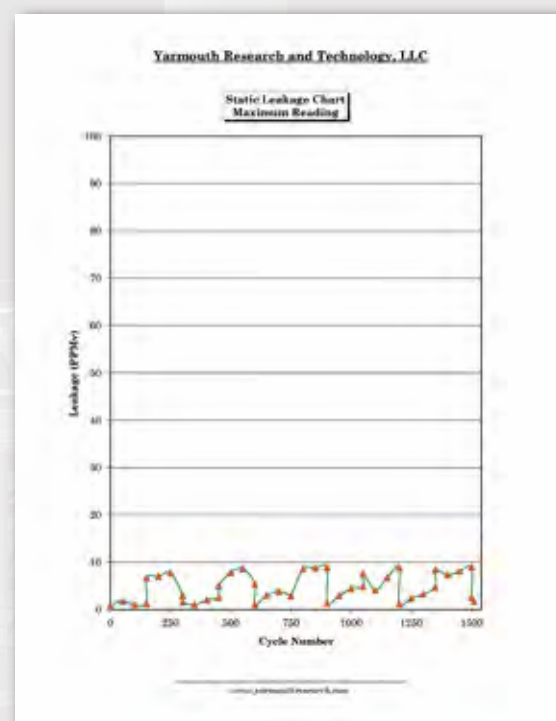
EDP17CL is a specially designed and formulated flexible graphite packing with very low-friction at the ID. Under the condition of high frequency of opening and closing of a quarter turn valve, this packing gains longer service life.

Applications

- 1) Refinery, Petro-chemical
- 2) Chemical
- 3) Cryogenic, e.t.c.



API Standard

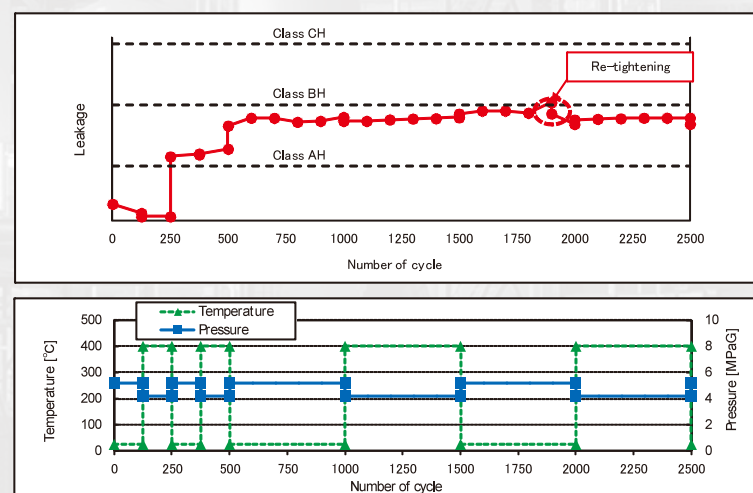


- API 622 Certified
- API 589 Certified

Sealing Performance

Internal evaluation test for ISO15848-1

Test Condition	
Pillar Style No	EDP17CL (P/#6617-CL+P/#6710CL)
Size	ø 32 x ø 48 x t8
Arrangement	
Fluid	Helium gas
press. / temp.	5.2 MPaG/RT 4.2 MPaG/400°C
Sliding Condition	Quarter turn
Leakage measurement	Vacuum method
Total number of cycle	2500 Cycle



Specifications

Temperature

-270 ~ +455°C
(-454 ~ +850°F)

On the condition the temperature of the packing remains below +350°C (+660°F)

Pressure

ASME class 4500
(77.6MPaG, 776barG, 11250psiG)

pH

0 to 14
(Except strong oxidizers)

Minimum Tightening Stress (N/mm ²)					
Class 150	Class 300	Class 600	Class 900	Class 1500	Class 2500
19.6	19.6	24.5	29.4	34.3	39.2

[NOTE] · When use under the gas application, a bigger tightening stress will be required if necessary.
· When test of the hydraulic pressure test, apply whichever bigger that the mentioned tightening stress, or the tightening stress which is at more than 1.3 times bigger than hydraulic pressure.

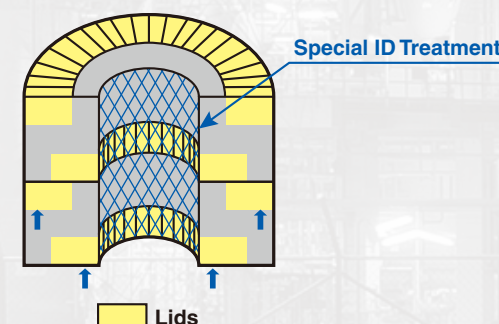
Pressure Class	Recommended Ring Quantity
150 300	 5 rings
600 900 1500	 6 rings
2500 4500	 7 rings



Structure & Features

Middle Ring P/#6617-CL

Each middle ring has two lids in its top and bottom surface which prevent permeation leakage. And this packing at the ID to extend the service life when used on quarter turn valves.



End Ring P/#6710CL
(compact type)

To ensure the seal-ability in the limited space, we developed shorter top & bottom rings in order to increase the number of seal rings.

