

# CHECK VALVE



## Feature

- All wetted parts are made of NEW PFA suitable for use in high purity and high corrosive chemical handling applications.
- It is available in a wide range of temperatures from 0°C to 150°C {32°F~302°F}
- The valve body and super 300 fitting are injection-molded into a one piece PFA body with a very smooth surface.
- Low cracking pressure (0.01MPa) ensures smooth liquid flow.

## Specifications

Type : PGB

Connecting method : **Tube fitting (Super 300 type fitting)**

Max open pressure : **0.7MPaG {99.54PSIG}**

Cracking pressure : **0.01MPaG {1.42PSIG}**

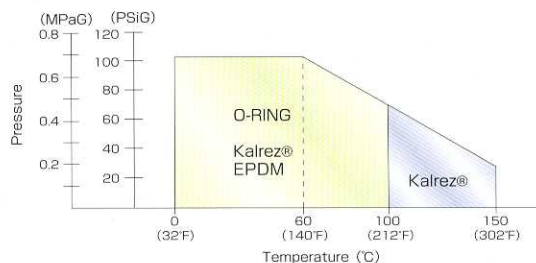
Sealing pressure closing : **0.05MPaG {7.11PSIG}**

Max operation temperature : **O-Ring : Kalrez® : 150°C {302°F}**  
**EPDM : 100°C {212°F}**

Temperature in Atmosphere : **60°C {140°F}**

Fluid : **Chemical & DI water liquids**

## Operation pressure and Temperature range



Main parts list		
No.	Parts	Material
1	Body 1	PFA
2	Body 2	PFA
3	Union nut	PFA
4	Sleeve	PFA
5	Check valve	PFA
6	O-RING	Kalrez® or EPDM

## Demension

mm Tube		mm (inch)							
Type No.	Tube diameter	(A)	(B)	C	(D)	φE	F	W	φS
PGB P4-4B-※	4 × 3	77 (3.03)	14.7 (0.58)	7 (0.28)	20 (0.79)	26 (1.02)	12 (0.47)	12 (0.47)	3.1 (0.12)
PGB P6-6B-※	6 × 4	85.5 (3.37)	19 (0.75)	7 (0.28)	20 (0.79)	26 (1.02)	16 (0.63)	15 (0.59)	4 (0.16)
PGB P8-8B-※	8 × 6	91.5 (3.60)	22 (0.87)	7 (0.28)	20 (0.79)	26 (1.02)	19 (0.75)	18 (0.71)	6 (0.24)
inch Tube		mm (inch)							
Type No.	Tube diameter	(A)	(B)	C	(D)	φE	F	W	φS
PGB PW2-W2B-※	6.35 × 3.95	85.5 (3.37)	19 (0.75)	7 (0.28)	20 (0.79)	26 (1.02)	16 (0.63)	15 (0.59)	4 (0.16)

Remarks : Concerning PGB P4-4B-※. Structure is different from above mentioned drawing.  
 Special items are available Please contact us.

The end of type ※ means O-Ring Material.

Code	Material	Marking
K	Kalrez®	X
E	EPDM	○

Remarks :  
 1. Trademark of E.I. duPont de Nemours and Co. (Inc.)  
 2. O-RING less is available.  
 3. Super Fitting is also available.

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\*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.

**CAUTION**

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