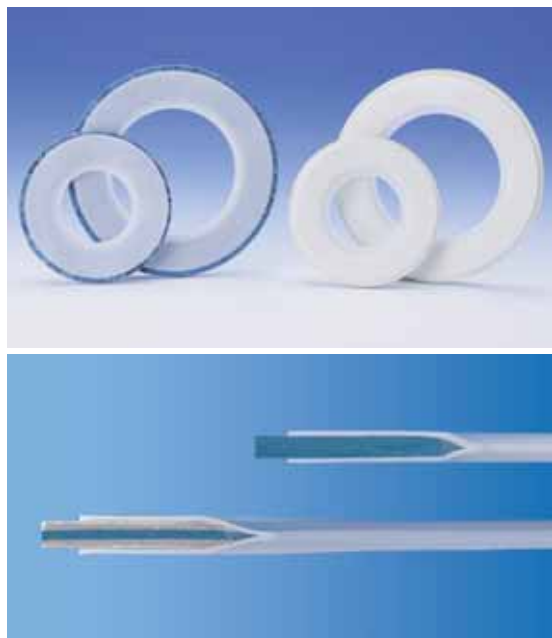


This is a VALFLON (PTFE) envelope gasket using the Compressed Non-asbestos Fiber Sheet or Expanded Graphite Sheet as core material.

Three types, N type, S type and H type are available based on the construction of the core and additionally three types of envelope configuration are also available.



## VALFLON Envelope Gasket [Core: N Type]

### VALQUA No. **N7030 (N) / N7031 (N) / N7035 (N)**

General use Envelope Gasket using Compressed Non-Asbestos Fiber Sheet in the core.

## VALFLON Envelope Gasket [Core: S Type]

### VALQUA No. **N7030 (S) / N7031 (S) / N7035 (S)**

High temperature and high pressure use an Envelope Gasket for preventing the flow of a PTFE jacket, where Felt Sheets are attached on both sides of the Compressed Non-asbestos Fiber Sheet to form the core.

## VALFLON Envelope Gasket [Core: H Type]

### VALQUA No. **N7030 (H) / N7031 (H) / N7035 (H)**

This is an envelope Gasket that can be used under conditions with higher temperatures, where Felt Sheets are attached on both sides of an Expanded Graphite Sheet with a stainless steel sheet to form the core.

## Types

VALQUA No.	N type	S type	H type
<b>N7030 Series</b>	<p>VALFLON (PTFE) jacket</p> <p>Compressed Non-asbestos Fiber Sheet</p>	<p>VALFLON (PTFE) jacket</p> <p>Non-asbestos fiber felt</p> <p>Compressed Non-asbestos Fiber Sheet</p>	<p>VALFLON (PTFE) jacket</p> <p>Non-asbestos fiber felt</p> <p>Expanded Graphite Sheet</p> <p>Thin stainless steel</p>
<b>N7031 Series<sup>(1)</sup></b>	<p>VALFLON (PTFE) jacket</p> <p>Compressed Non-asbestos Fiber Sheet</p>	<p>VALFLON (PTFE) jacket</p> <p>Non-asbestos fiber felt</p> <p>Compressed Non-asbestos Fiber Sheet</p>	<p>VALFLON (PTFE) jacket</p> <p>Non-asbestos fiber felt</p> <p>Expanded Graphite Sheet</p> <p>Thin stainless steel</p>
<b>N7035 Series</b>	<p>VALFLON (PTFE) jacket</p> <p>Compressed Non-asbestos Fiber Sheet</p>	<p>VALFLON (PTFE) jacket</p> <p>Non-asbestos fiber felt</p> <p>Compressed Non-asbestos Fiber Sheet</p>	<p>VALFLON (PTFE) jacket</p> <p>Non-asbestos fiber felt</p> <p>Expanded Graphite Sheet</p> <p>Thin stainless steel</p>

Note (1) No.N7031 Series has a PTFE outer cover with one lap joint.

Remark As special purpose VALFLON Envelope Gaskets, products for monomers, for radiation resistance use, and for outer edge welded type are also available. Further information is available on request.

## Design data

### Allowable ranges

VALQUA No.	Temperature (°C)	Pressure (MPa)
N7030 (N)	-100~150 <sup>(1)</sup>	1.5
N7031 (N)		
N7035 (N)		
N7030 (S)	-100~200 <sup>(1)</sup>	2.0
N7031 (S)		
N7035 (S)		
N7030 (H)	-100~260	3.0
N7031 (H)		
N7035 (H)		

Note (1) If the service temperature exceeds 120°C, be sure to tighten uniformly the gaskets so as not to apply piping stress on these gaskets. For applications subject to frequent thermal variations or pressure changes, or for places where maintenance is difficult to carry out, WHITETIGHT (No.7590 Series) is recommended.

Remark Temperature and pressure show individual service limits.

### Dimensions

VALQUA No.	Nominal thickness (mm)	Size (mm)
N7030 (N)	1.6, 2.8, 3.8	1000
N7031 (N)		300~3000
N7035 (N)		1000
N7030 (S)	2.9, 3.2, 5.4	1000
N7031 (S)		300~3000
N7035 (S)		1000
N7030 (H)	4.0, 4.5, 5.6	950
N7031 (H)		300~3000 <sup>(1)</sup>
N7035 (H)		950

Notes (1) The standard thickness is 4.5mm for those that exceed the 950mm size of No.N7031 (H). Since it requires special fabrication, please contact us for more information.

(2) Since an Expanded Graphite Sheet is used for an H type, the product cannot be folded when it is shipped.

### Design Criteria

VALQUA No.	Gasket factor "m"	Minimum design seating stress "y" (N/mm <sup>2</sup> )	Recommended tightening stress (MPa) <sup>(1)</sup>	
			Liquid	Gas
N7030 Series	3.5	14.7	15.0	20.0
N7031 Series	4.0	19.6	20.0	24.5
N7035 Series	3.5	14.7	15.0	20.0

Note (1) The recommended tightening stress is the pressure required under standard conditions without consideration to the endforce due to internal fluid. It is the stress on the contact area of the gasket.

Remark The m, y values are the same as those of fluororesin gaskets specified in JIS B 2206.

### Allowable ranges per fluid

