

Blacktight VALQUA No. 6590 Series

NON-AS Spiral Wound Gaskets use as the filler material NON-AS inorganic paper, VALQUAFOIL (Flexible Graphite) and VALFLON (PTFE) tape, and are distinguished by the excellent elasticity due to a V-shaped profile hoop.



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Blacktight

VALQUA No.
6590
Series

These spiral wound gaskets use the pure graphite (flexible graphite) sealing material VALQUAFOIL-sheet as the filler. They are distinguished by the outstanding sealing properties as well as their slave (follow) properties with regard to heat and pressure cycles.

- Features:
- ▶ In view of their outstanding airtightness (seal), they help to substantially improve the sealing performance of gas and vacuum seals.
 - ▶ In view of the outstanding slave (follow) behavior toward heat and pressure cycles, they only need minor re-tightening.
 - ▶ They possess superior radiation resistance. (Products consistent with nuclear energy specifications are also available.)
 - ▶ They exhibit a superior sealing performance at extremely low temperatures. (A special product No. 6596VC for extremely low temperatures is also available. Be sure to make a specific inquiry for this product.)

Applications: Suitable for all types of industrial pipe flanges for petroleum refineries, chemical plants, electric power plants, gas and shipping industries and iron and steel mills as well as for a wide range of gasket applications on connecting surfaces of various types of equipment, including heat exchangers and valve bonnets. They are also suited for high-temperature and high-pressure steam and LNG and the gaskets for extremely low temperatures are ideal.

Usable Range

VALQUA Product No.	Temperature °C	Pressure MPa (kgf/cm ²)
8590 Series	-200~500	29.4{300}
8590L Series	-200~600	
6590 Series	-270~400	19.6{200}
7590 Series	-260~300	

Temperature and pressure data refer to the respective limit values for application.
Remark: The above temperature range may vary in accordance with the hoop and inner and outer ring materials.





Manufacturing Range

▼For Standard Pipe Flanges

For JIS pipe flanges: 10K, 16K, 20K, 30K, 40K and 63K
For JPI and ANSI pipe flanges: Class 150, 300, 400, 600, 900, 1500, and 2500.

Products for other standard pipe flanges, including ASME and MSS can also be manufactured.

▼Type

Name	Filler material	Basic type	With inner ring	With outer ring	With inner and outer rings
					
Blacktight VALQUA 6590 Series ⁽¹⁾	VALQUAFOIL-sheet tape	No.6590	No.6592	No.6591 ⁽¹⁾	No.6596