

VALQUA with Society

VALQUA’s Relationship to Society

Our “products & services” play an active role in all sorts of places.

 : Products containing PFAS

A Rockets and satellites



Metal hollow O-rings
These are high performance gaskets that can even prevent leakage in outer space. They are used not only in rockets and satellites, but also in equipment that requires high temperatures, high pressure, and high vacuum.

B Solar power generation



Photovoltaic power generation business
The Mega Solar power generation facility on the premises of KYUSHU VALQUA produces clean energy daily and contributes to the community and the preservation of the global environment.

C Transformer



Processed fluorocarbon resin products
The high electrical insulation performance of these products is used to good advantage in devices that eliminate the effect of lightning and control the amount of power transfers.

D High-speed communications equipment



Fluorocarbon resin material
Substrate material with the outstanding electrical characteristics and weather resistance of polytetrafluoroethylene (PTFE) contributes to safe, rapid, high-capacity data communication in antennas and self-driving vehicles.

E Construction machinery

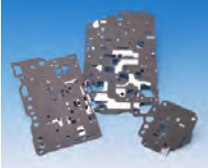


O-ring
These are typical static and dynamic seal products. They accommodate a wide range of industrial needs thanks to the use of rubber material well suited to the application.



Thrust plate
When inserted into the gap in hinged moving parts of excavators, etc., thrust plates play the roles such as adjusting the gap, preventing squeaking, and preventing galling.

F Automobiles



Gasket for automatic transmission (AT)
These are the gaskets used in the hydraulic control device (valve body) that controls the AT. By sealing the oil within the device, they make possible smooth, responsive gear changes.

N Medical institutions

Fluorocarbon resin skived tape
These products use advanced technology to cut fluorocarbon resin. Exceptionally airtight and slid able, they are used for coating syringe pistons, etc.



M Factories and offices

LED illumination
These products have the characteristics of lower power consumption and long life. The extensive lineup can be applied to a wide variety of needs, and they contribute to reducing the environmental burden.



L Ships and vessels

Gland packing
These are products that prevent leakage from around the working axis, and they are used mainly in rotary pumps and valves that fulfill the function of conveying fluids or blocking their flow.



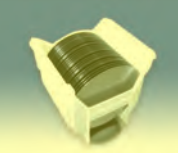
Fluorocarbon resin lined ISO tank container

These pipes use the characteristics of fluorocarbon resins – chemical resistance and surface smoothness – to ensure the purity of the fluids that pass through them until they reach their destination.



K Semiconductor plants

Reclaimed silicon wafer
Silicon wafers used in checking the operation of semiconductor manufacturing equipment are polished and cleaned with proprietary know-how, and recycled and provided in the same way as new products, thereby contributing to the reduction of environmental burden.



Fluorocarbon resin lined tank

Liquid chemical tanks with inner linings consisting of fluorocarbon resin sheets are indispensable in the storage and transport of the ultra-high purity chemicals used in semiconductor manufacture.



High-performance elastomer

Products surface-treated with a special low-impurity rubber maintain the clean environment that is indispensable to semiconductor manufacture.



Bonded gate seal

These are high performance elastomer and metal seals with a unitary structure. With high sealability, they are used in transfer gate valves for silicon wafers.



J Steel production plants

High performance sheet gasket
With far better performance than conventional products, these sheet gaskets are widely used, particularly in plants that require high temperature resistance.



Spiral wound gasket

These metal-reinforced products support safety operations in plants operated at high temperature and pressure.



Low friction seal (LFR SEAL®)

This seal material has outstanding slidability and was developed for use in the rotating and oscillating parts of various kinds of production equipment.



I Seal engineering services

Seal Training Center (STC)

STC shares VALQUA's seal engineering technology with customers, connecting it to safe plant operation and reliable equipment operation. STC also provides a venue for human resources development, with classroom lectures on the selection of seal materials and appropriate methods of use, as well as experience-based training facilities for practical training using a simulation of pipe flanges in actual factory settings.

Seal Training Vehicle™ (abbreviation: STV)

Seal Training Vehicle™ is a mobile unit filled with training equipment for educating customers on gasket installation.



G Chemical plants

Fluorocarbon resin lined ball valve

Adoption of highly chemical-resistant fluorocarbon resin in all parts that come into contact with fluids gives these valves broad applicability to fluid control.



Fluorocarbon-resin envelop gaskets

Made of highly chemical resistant material, these gaskets prevent liquid chemicals and gasses from leaking through the joints of piping and equipment.



Fluorocarbon resin lined product

These pipes use the characteristics of fluorocarbon resins – chemical resistance and surface smoothness – to ensure the purity of the fluids that pass through them.



H Portable media

Fluorocarbon resin tape

It has high insulation and excellent workability, contributing to improved performance and miniaturization of communications equipment.

