KITZ Corporation today announces the launch of PFA-Lined Weir Type Diaphragm Valves.

The PFA-lined valve series* for piping systems requiring chemical and corrosion resistance now includes a lineup of diaphragm valves.

As future growth is expected in the market for high value-added fine chemicals, we will be able to provide the products that can satisfy the demands of customers who operate with a variety of chemicals, including pharmaceuticals, pigments, paints, fats and oils, and surfactants.

We will continue to develop a comprehensive support system from the product proposal to sales and after-sales service for our customers.

* The PFA-lined valve series:
   - A range of PFA-lined products, including butterfly valves, ball valves, plug valves, and check valves.

Note

**Structure**
- Diaphragm valves seal fluid by pressing the flexible diaphragm against its seat in the vertical direction.

**Features**
- Suitable for chemicals, fine chemicals (semiconductor chemicals, functional materials, industrial additives, pharmaceuticals), pure water, ultrapure water, etc.
Advantages

① Sealing performance
The structure using our unique valve seat sealing technology provides high sealing performance. (Patent pending)

② Chemical and corrosion resistance
The wetted parts, composed entirely of fluoropolymer, have excellent chemical and corrosion resistance. Also, the gland packing-less structure provides outstanding resistance to external contamination because the actuator and flow path are completely shut off by the diaphragm.

③ Washability and cleanability
The flow path is pocketless, minimizing liquid pooling and providing excellent washability and cleanability.

④ Maintainability
Fewer components and the top entry structure that allows the replacement of seal parts without interrupting the pipeline offer great maintainability.

Specifications

KITZ Product Code ・・・・・・・ 10UKDL
Nominal Size ・・・・・・・ 15A~80A (7 sizes)
Piping Connection ・・・・・・・ JIS B2220 10K
Valve Operation ・・・・・・・ Handwheel
Body Material ・・・・・・・ SCS13 + PFA lining
Diaphragm Material ・・・・・・・ Modified PTFE + EPDM