



GVK(GRS) RAM-SEAL(TANK BOTTOM)

Total Engineering Solution Service

Mission

기초에 근거하여 원천 기술을 살리고 원천 기술을
극대화하여 세계 중심에 서는 것

To stand at the centre of the world by
utilizing original technology based on the
foundation and maximizing original technology

Vision

우리는 옳은 일과 가치 있는 일에 주저함이 없이
최선을 다하고 실천하여 세계의 중심에 서자

Let us put ourselves at the center of the world by
doing our best and not hesitating to stand up for
what is right and worthy



GLOBAL VISION KOREA

VMV[®]
Value MFG Valve

 **ACEFLOW**
Valve Engineering



Valve Actuator Product Service



GVK Group Force & Torque Technology is a well recognized world leader and reliable manufacturer for pneumatic actuator and pneumatic valve in Ref. of Korea. With over 20 years innovation and extensive industry experience, GVK Force & Torque provides first class products and services for customers worldwide.

GVK Group Force & Torque supplies pneumatic actuators and valve control accessories such as manual override, limit switch box, solenoid valve, filter regulator, valve position feedback device etc... Additionally, Force & Torque provides professional valve automation solutions like pneumatic Globe Valve, Gate Valve, Ball valve, pneumatic butterfly valve etc. for diverse applications.

The wide variety of actuators include stainless steel pneumatic actuator, RT series rack and pinion actuator, HPY series scotch yoke pneumatic actuator and scotch yoke hydraulic actuator, HPL series linear pneumatic actuator and linear hydraulic actuator. Actuator ranges from 32 to 1,000, torque covers from 5Nm to 300,000Nm.

The Professional Provider of Automatic valve Actuators



Pneumatic and Hydraulic Scotch Yoke Rotary Motion

Mutually Beneficial Relationships



To Be Your Best Partner



Twenty years experience "one stop" goods and services





GRS SERIES

Ram-seal(Tank Bottom)

Total Engineering Solution Service



GVK / GRS Series Ram-seal(Tank Bottom)

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Flush RAM Bottom Valve

About the company

GVK "GRS" Valve plant division, since foundation year 2008, develop Manual, Special, and Order Made Valve with excellent quality based on the various experience and advanced technologies and supply to the various industrial field including the food, chemistry, Alcohols, steel, fiber, environment, and etc.

The Metal seated Ball valve which is the custom-made is the valve speciality manufacturer for high temperature and high pressure and high abrasion. It is applied to the poly silicon manufacturing process where it was the core of the solar industry and presents the most reasonable application to the various production systems.

The goal for GVK "GRS" Valve is to put a quality product in every field.

We produce our Valves only with the highest quality materials, so that we can guarantee that all of our products will have a long sustainability.

We can offer a good competitive price to the market using our efficient technology and relationship with other collaborators.

GVK "GRS" Valve is manufactured on modern machine tools and efficient production lines in order to offer high volume capacity.

VALVE PRODUCTS RANGE

Besides, we also put a genuine effort to assure the highest possible quality of the valves. In every step of the manufacturing processes, all our products are put through strict inspections according to standard code so that we can meet the very demanding requirements of our clients. The size will be selected and applied according to the customer's needs. Apply all possible requirements. We especially listen to field requirements

Flush RAM Bottom Valve

Flush RAM Bottom Valve

RAM Valve can be serviced on site with the use of simple purpose that Non-Clogging, without the need of removing the valve inside part from the service line. And basic simple design permits the easy disassembly and re-assembly of the internal parts,

When the valve is installed with stem in vertical position only.

If stem in horizontal and inclined position should be serviced as a normal, present the information in advance.

Sealing members contact the RAM piston element to provide a fluid tight seal between seats.

And have very simple elements expect no breakdown.

Very special design in service.

Seat Design

It has a structure that prevents hard substance from blocking it.

There is a phenomenon in which hard substance block the seat during the valve closing action.

This shape has a structure that pushes out such particles.

It looks like a piston pushing water.

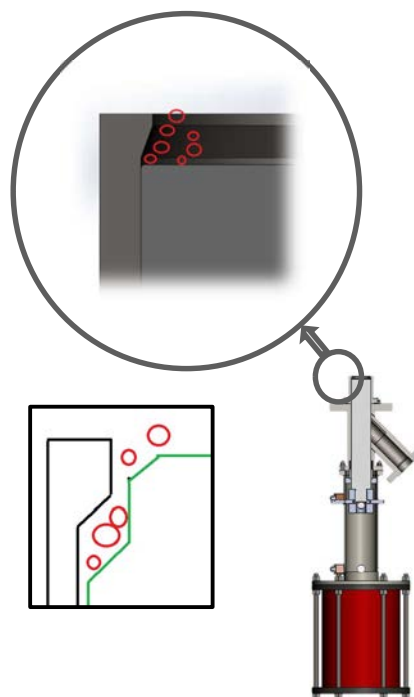
In contrast, the square picture below is a representative shape.

Assuming that the red circle on the center is a hard substance, hard substance gets stuck in the middle while it is closing.

hard substance once trapped continue to cause problems.

It will not function as a seat and will continue to leak.

It will cause damage to the sheet.



45° Branch Design

The branch part is also a very important part.

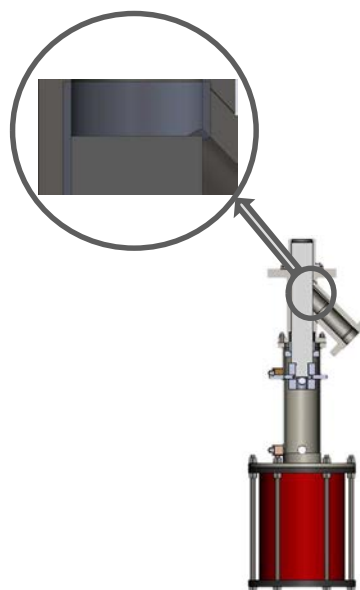
Although it is a mid-stroke, it is a part where many hard particle traffic it.

So this part also needs a different approach.

A structure that slides even when particles are caught in the middle is needed.

For example teflon lining or silicone lining rubber lining ETC.

These must be done in close cooperation with the field situations.



Cavity Free – NO Residual Product

The space between the valve body and the piston is important.

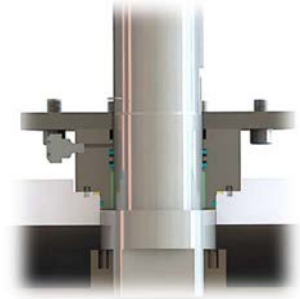
It is impossible to eliminate space.

Eliminates as much space as possible through precision processing

Flush RAM Bottom Valve

Emission free Body Sealing valves

The accurate machining of stem and bonnet sealing areas of valves assures the compliance with the regulations relevant to the so called "emission free" valve. specially designed to reach the "zero" fugitive emission condition are available on request.



Anti blow-out stem

Stem-body joint is designed to assure the antiblowout condition of the stem.

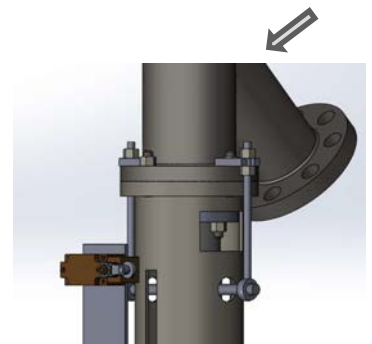
Stem Sealing

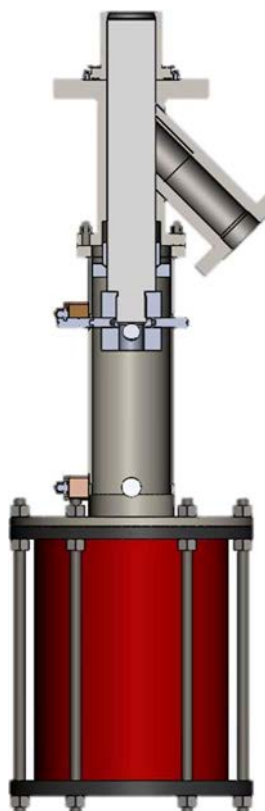
The stem seals can be replaced with the valve in line, providing that the ball is in the fully closed or fully open position and the pressure in the body cavity has been completely released.

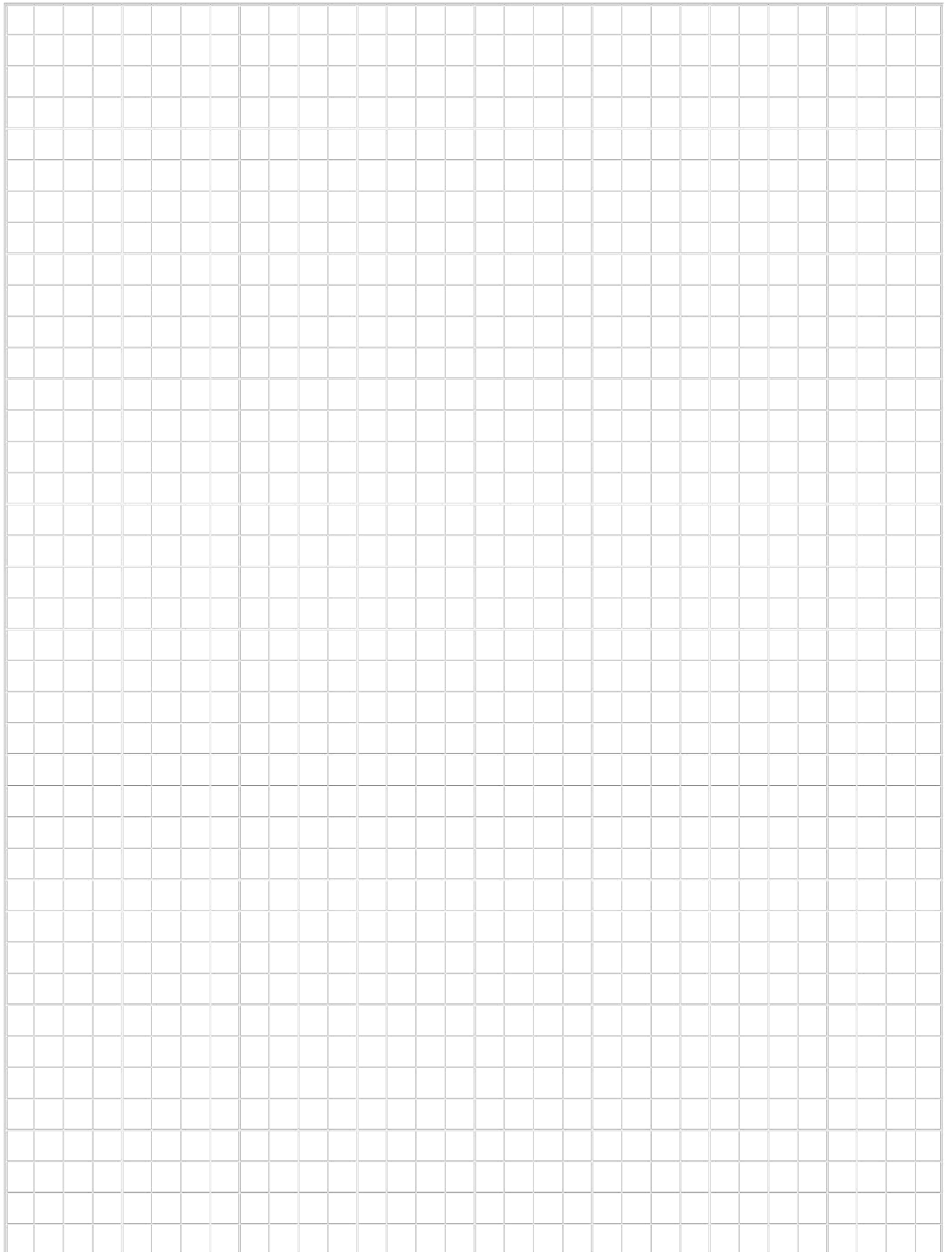
Special stem sealing systems which require the use of lip seal O-rings or special gaskets are available for different service conditions.

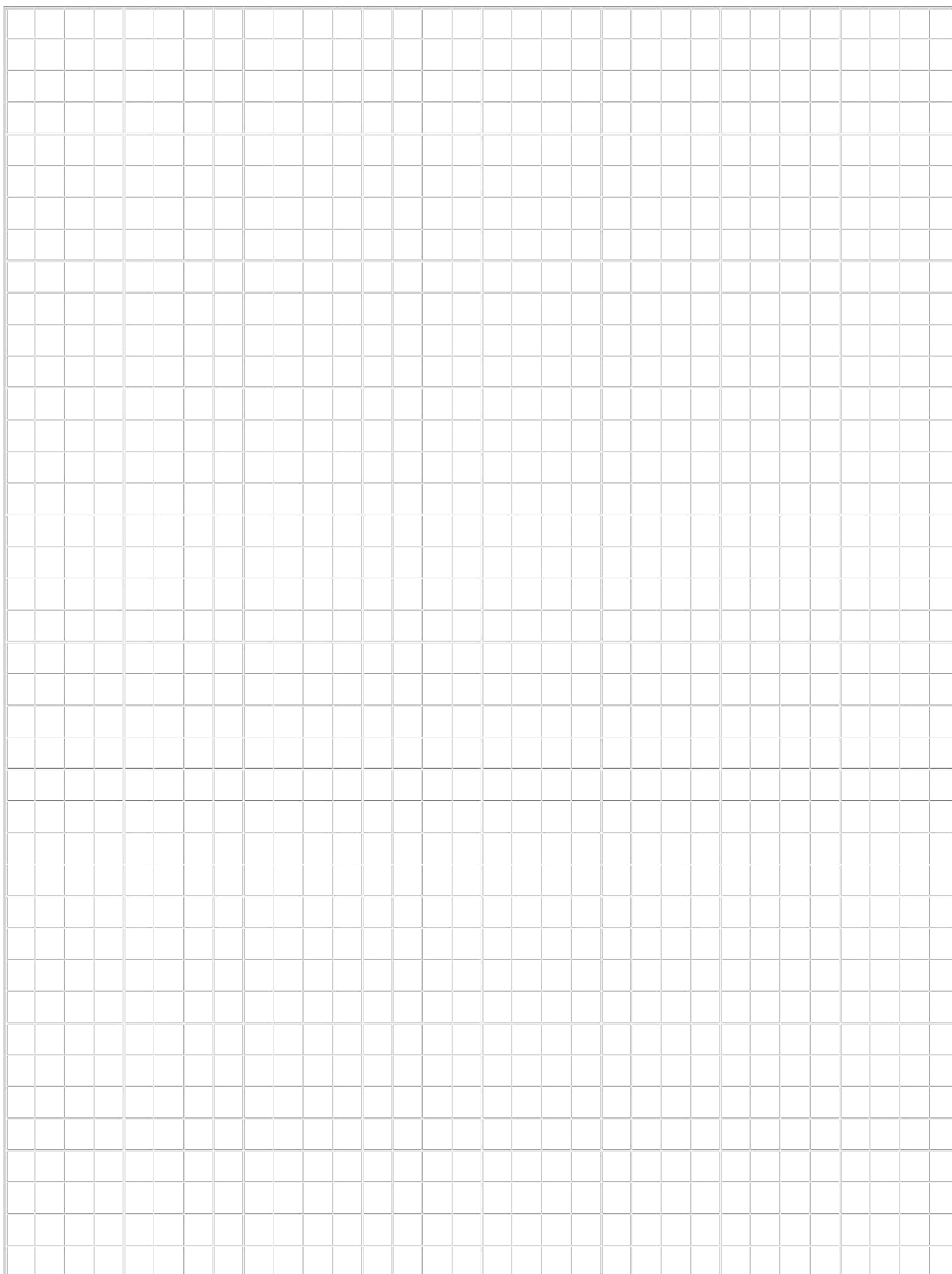
Mechanical Locking Device

There are times when it is necessary to disassemble the valve in the field. In that case, use a pin and insert it into the fixing hole as shown in the picture on the right.











Product Service Qualified Certificate

ISO 9001:2015

ISO 14001:2015

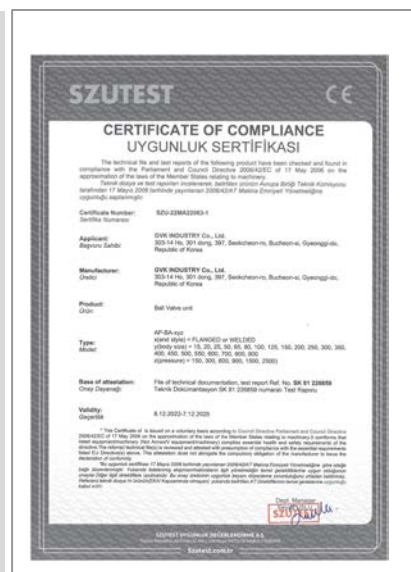
ISO 45001:2018



CE: Globe Control Valve

CE : Ball Valve

Research Institute



ASME U, PP Stemp

EAC : RUSSIA TRCU

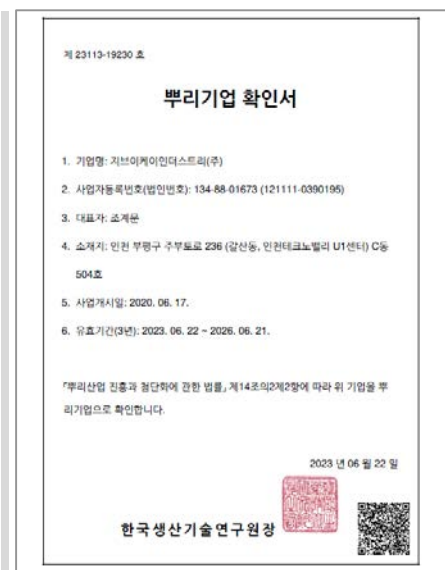
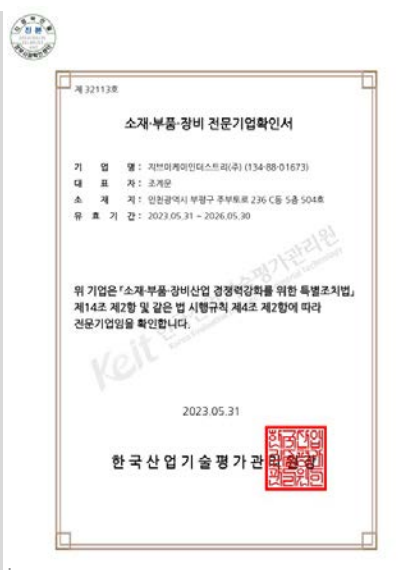
API 6D / 600 By KSM



Venture company

Material · Part · Equipment

Rooting Enterprise





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Total Engineering Solution Service

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