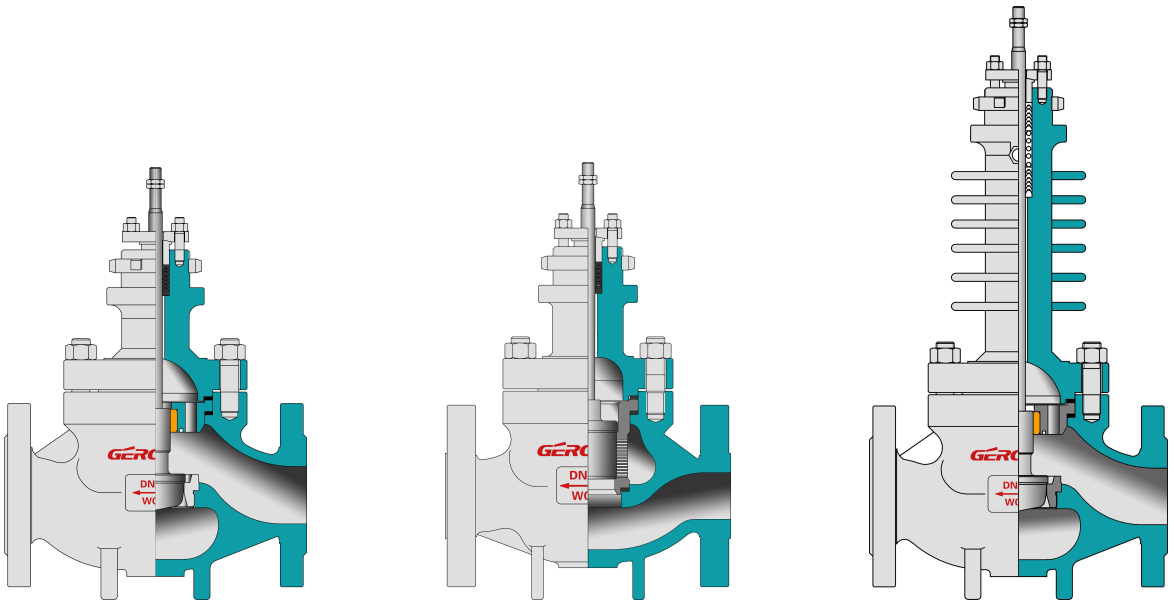
高性能调节阀系列 High-performance adjusting valve series

当要控制不断增大的成本、用户对技术、产品、质量和服务的改进期望值增加，但同时法律和法规变得更加严格复杂时，在最苛刻的工况下也能表现出高可靠性和出色的性能，无疑会成为重要的先决条件 。GEROYAL 的产品正是以此为目标。

GEROYAL 的产品采用模块化设计，满足特定工况要求，使控制阀能够在最苛刻工况下适应最难需求。此外，模块化设计降低了备件、安装和维护的成本，使重要的总成本得以节约。

When you want to control the increasing improvement of expected cost, users of technology, product, quality and service value increases, but at the same time, laws and regulations become more stringent and complex, but also to show high reliability and excellent performance in the most demanding conditions, will undoubtedly become an important prerequisite.

GEROYAL products using modular design, to meet the specific requirements of the working conditions, so that the control valve can be used in the most demanding conditions to meet the needs of the most difficult. In addition , the modular design reduces the cost of spare parts, installation and maintenance, so that the total cost can be saved.



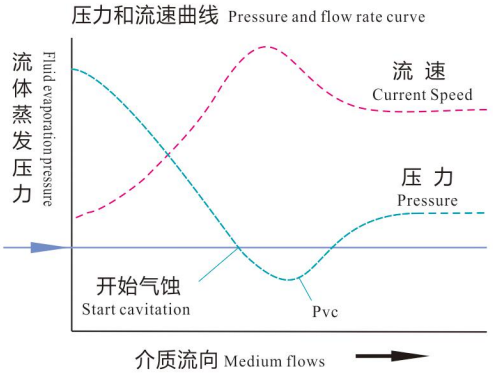
- 计算与选型简单；
- 维护简单且方便；
- 设计紧凑合理，使用寿命长；
- 可提供一体化式控制器及执行器；
- 阀体通径从 DN20～500 (3/4"～20")；
- 压力等级从 PN1.0～42.0MPa (ANSI 150～2500LB)；
- 可供选择类型范围广泛；

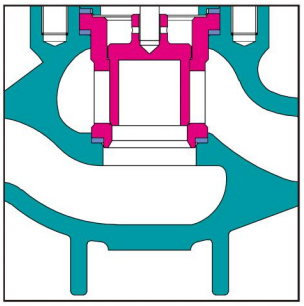
- Simple calculation and selection;
- Maintenance is simple and convenient;
- Reasonably compact design, long life;
- it can provide integrated controller and actuator;
- Valve diameter from DN20 ~ 500 (3/4 "~ 20");
- Pressure rating from PN1.0 ~ 42.0MPa (ANSI 150 ~ 2500LB);
- Choose from a wide variety range;

广泛应用于 Widely used in：

- 石油天然气、环保水处理、生物制药、化工、电力、食品、造纸、冶金、采矿、船舶及一般工业系统。
- Petroleum and natural gas, environmental protection water treatment, bio pharmaceutical, chemical, electric power,food, paper, metallurgy, mining, shipping and general industrial systems

■ 通过控制阀的流体 Through the control valve of the fluid

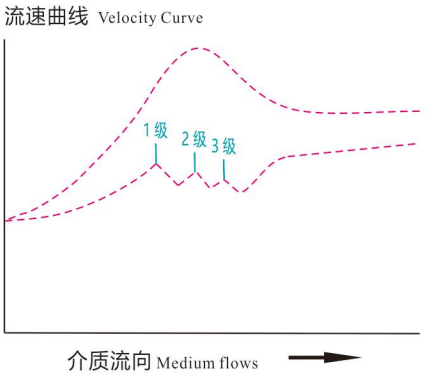


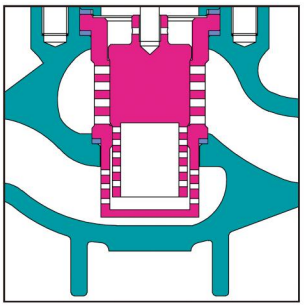


当流体通过控制阀时。流体的阻力影响压力下降。同时流速成比例增加,阻力越大。流速增加越大。对不同的流体工况，通过阀门的能量改变会影响空气噪音和气蚀问题。

When the fluid through the control valve. Fluid pressure drop. At the same time, the ratio of flow rate increases, the greater the resistance. The higher the flow velocity. For different fluid conditions, through the valve's energy change will affect the air noise and cavitation problems.

■ 空气动力噪音解决方案 Aerodynamic noise solution

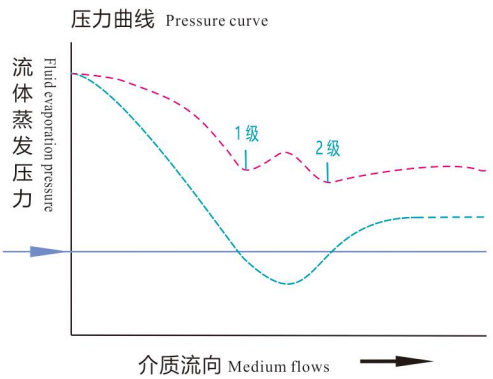


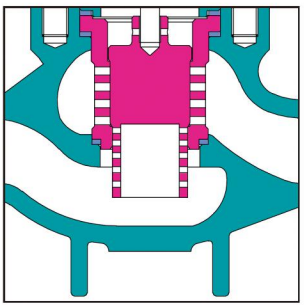


控制通过阀门的流速动力之一是控制流体的空气动力学噪音。通过多级的鼠笼结构，连续吸收压降产生的能量将通过阀门的流速控制到可以接受的范围以内。

Control of the flow rate through the valve is one of the flow of the control fluid dynamic noise. Through the multistage cage structure, the energy of the continuous absorption of the pressure drop will be controlled by the flow rate of the valve to the acceptable range.

■ 气蚀解决方案 Cavitation solution





将压力控制在临界压力(Pvc)以上，可实现对气蚀的控制，通过多级结构，连续吸收压降产生能量，流道的阻力增加，Pvc得以控制，这样可以避免气蚀。

The pressure control in the critical pressure (Pvc) above, can achieve the control of cavitation, through a multi-level structure, continuous pressure drop to generate energy, flow to the resistance increased, Pvc can be controlled, so that can avoid cavitation.