



VALVE INSERT

*Precision Manufacturing
Valving the Future*

Why Choose Us?

*Precision Manufacturing
Valving the Future*

HVAC valve insert Expert

We are specialized in the manufacture of HVAC core components, covering a full range of manifold valve insert, radiator angle valve insert, and mixing valve insert, they are suitable for residential, commercial, and industrial scenarios. We support rapid delivery of standard products and customized high-precision solutions.



Micron-level Smart Manufacturing System

- We have over 50 high-precision CNC equipment clusters, we make products with $\pm 0.01\text{mm}$ tolerance control and 99.5% pass rate
- Daily production capacity is over 25,000 pieces, with flexible production lines enabling mixed production of multiple specifications
- There is 12-step full-process quality control, with triple guarantees for sealing, pressure resistance, and corrosion resistance

Global Standards Compatibility

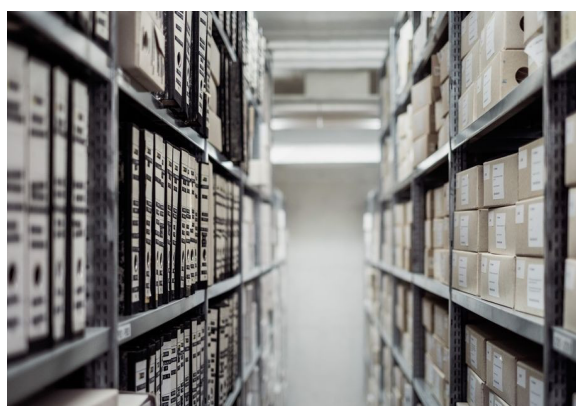
Our products are compliant with ISO/EN/ASTM international certification systems, compatible with US, European, and Chinese standards, facilitating the globalization of products.



Core Advantages

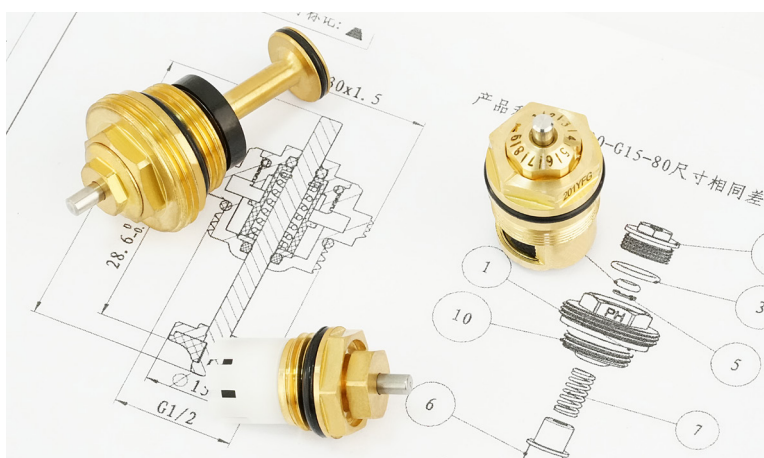
Technical Depth

- The walk-through lathe technology break through the bottlenecks in machining irregular and miniature parts
- Key dimensions 100% online monitoring
- Special materials can be tolerant of extreme environments from -30°C to 110°C



Billion-level Delivery Experience

We have served clients in over 10 countries, with cumulative deliveries of over 100 million valve cartridges, deeply involved in underfloor heating, district heating, and industrial heat exchange projects.



Full-cycle Services

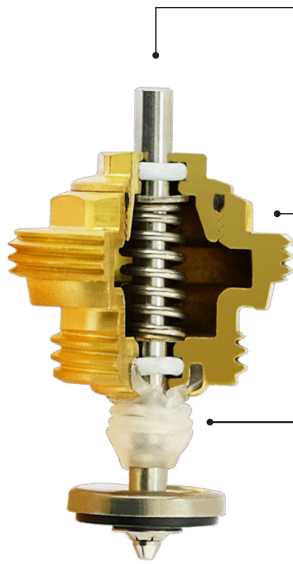
We can provide free selection guidance + drawing optimization + sample testing, supporting seamless transition from small-batch trials to million-level orders.

Cooperation Value

- Zero leakage commitment: 100% tested through advanced water-air integrated inspection equipment.
- Cost Reduction and Efficiency Enhancement: Large-scale smart manufacturing benefits partners
- Rapid Delivery: Industry-leading 48-hour response mechanism.
- With precision cores, we safeguard the reliable operation of HVAC systems.



THERMOSTATIC VALVE INSERT



HLVI0105

Material Selection, Foundation of Quality

The valve stem is crafted from 304 stainless steel, featuring surface finish $\leq 0.02\mu\text{m}$. Its wear resistance and corrosion resistance far exceed industry standards, ensuring zero sticking after 100,000 cycles of opening and closing. It is compatible with extreme temperatures and complex media environments.

Benchmark Mechanical Performance

With our unique dynamic pressure optimization technology, we achieve loss between start-up pressure and rebound pressure $\leq 5\text{N}$, with a rebound force increase of over 20%. This ensures rapid valve response, tight shut-off, and optimized system efficiency.

Precision Craftsmanship, Meticulous Attention to Detail

Leveraging precision walk-through lathe technology, we can achieve a tolerance control accuracy of $\pm 0.01\text{mm}$. This enhances the dynamic sealing performance of the valve insert by 30%, completely eliminating the risk of leakage.

Preventing Scale Accumulation

The silicone structure at the lower part of the valve stem reduces the formation of scale inside the valve insert, preventing the valve insert from seizing up.

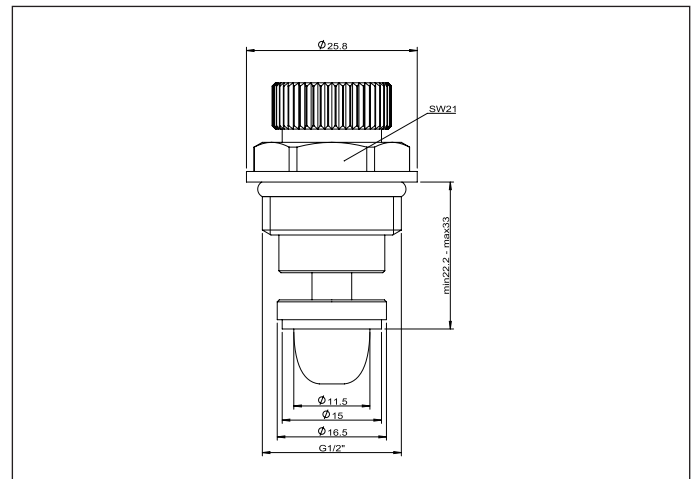
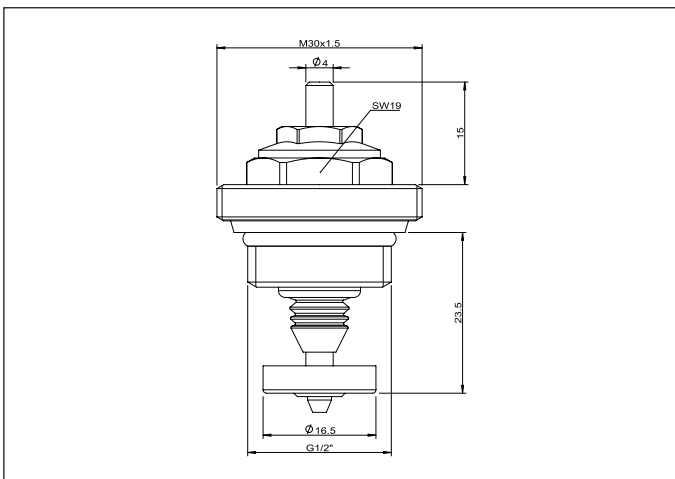


HLVI0205

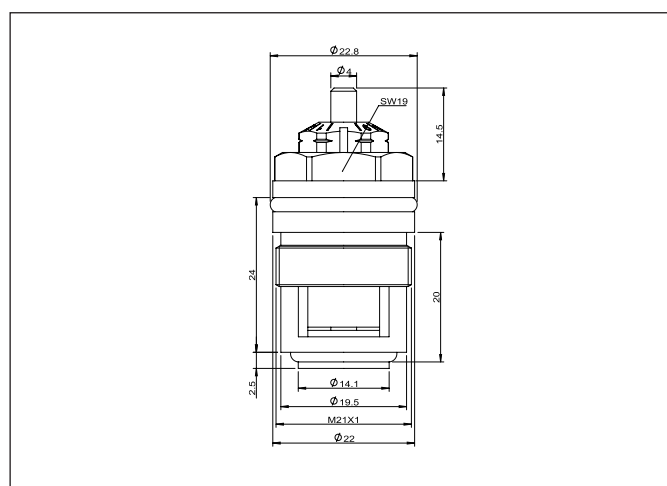


Stop valve insert:

Precise flow distribution ensures a 40% improvement in hydraulic balance stability.

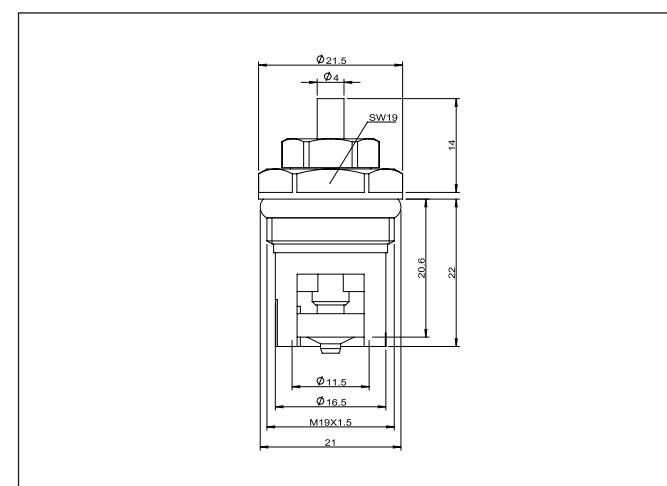
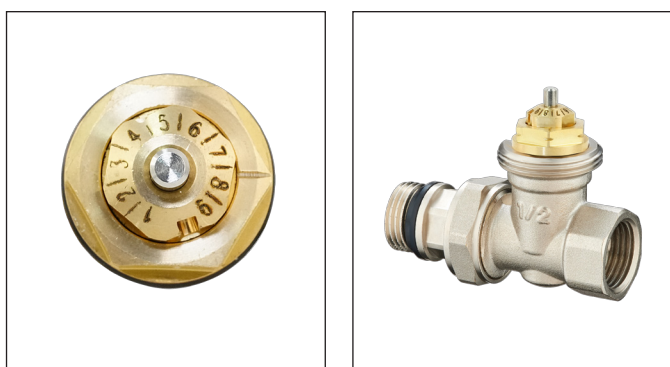


INSERT OF RADIATOR VALVE



Product Advantages

The top scale design enables precise adjustment, flexibly meeting the demands for head and flow in various scenarios, enhancing HVAC system performance. It is a piping component for efficient heating in modern buildings.



Product Advantages

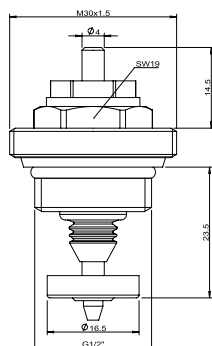
- The bottom incorporates a unique flow channel design, which complements the specialized valve body structure. This clever combination ensures linear flow adjustment, achieving precision and efficiency in fluid control.
- The precisely designed opening at the top of the valve stem corresponds to the flow adjustment groove at the bottom of the valve core, enabling intuitive and visual regulation of flow rate.



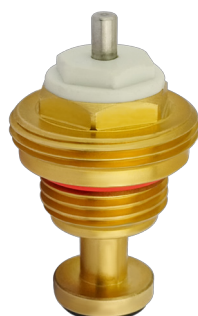
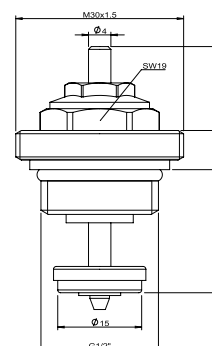
INSERT OF MANIFOLD



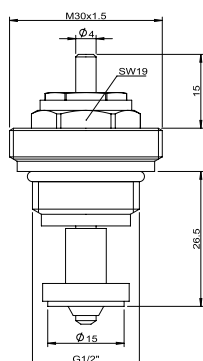
HLVIO101



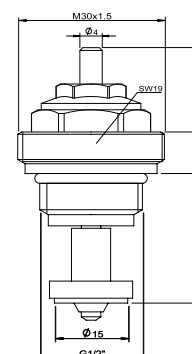
HLVIO102



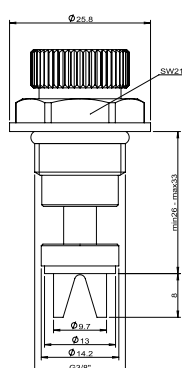
HLVIO103



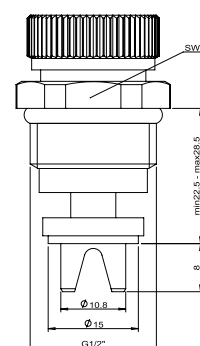
HLVIO104



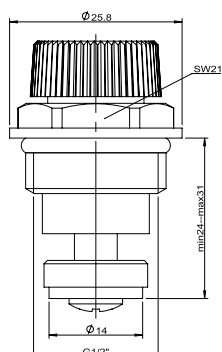
HLVIO201



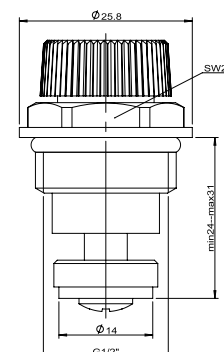
HLVIO202



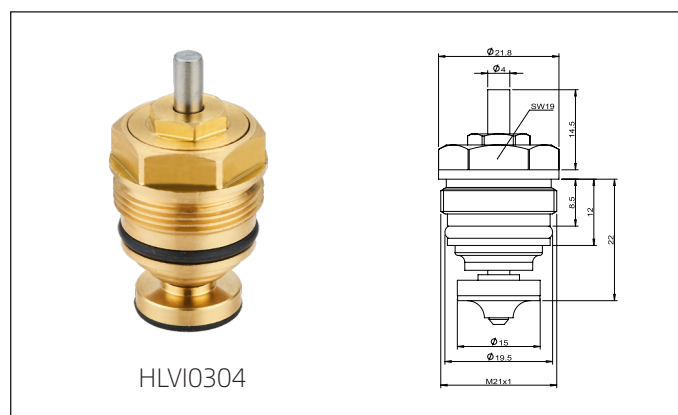
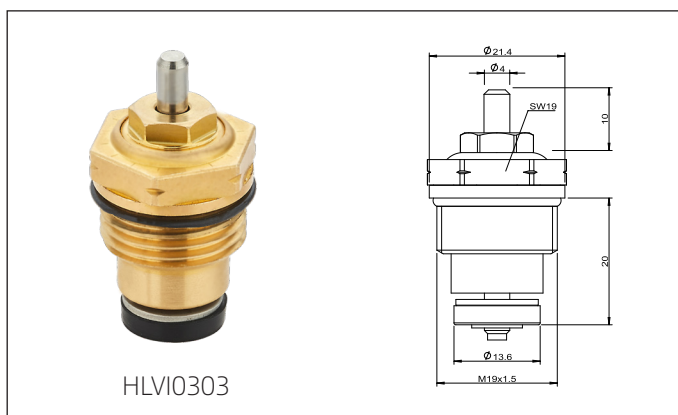
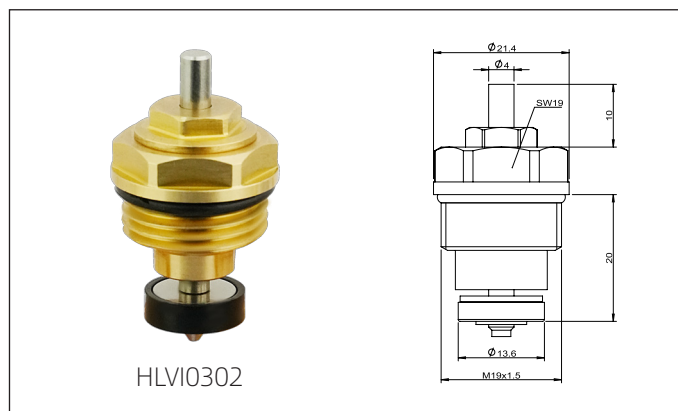
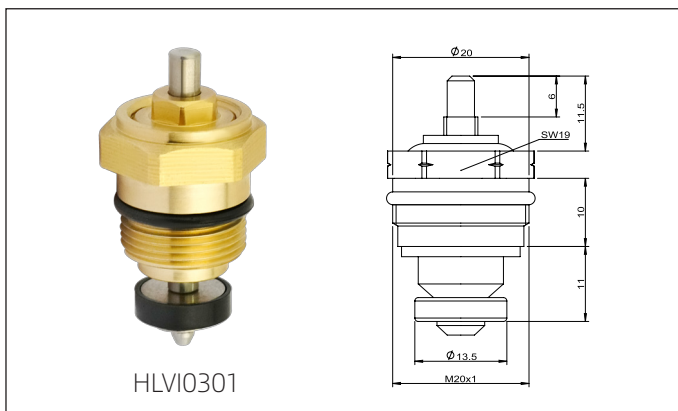
HLVIO203



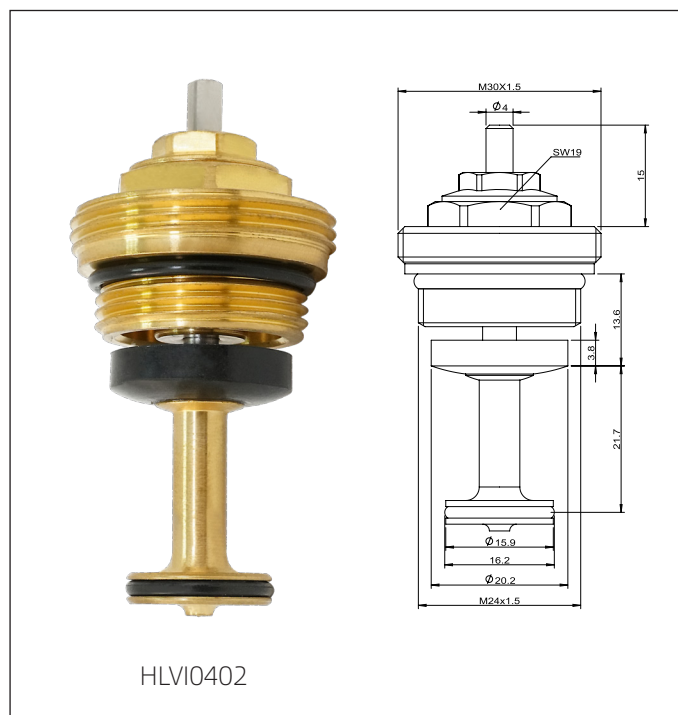
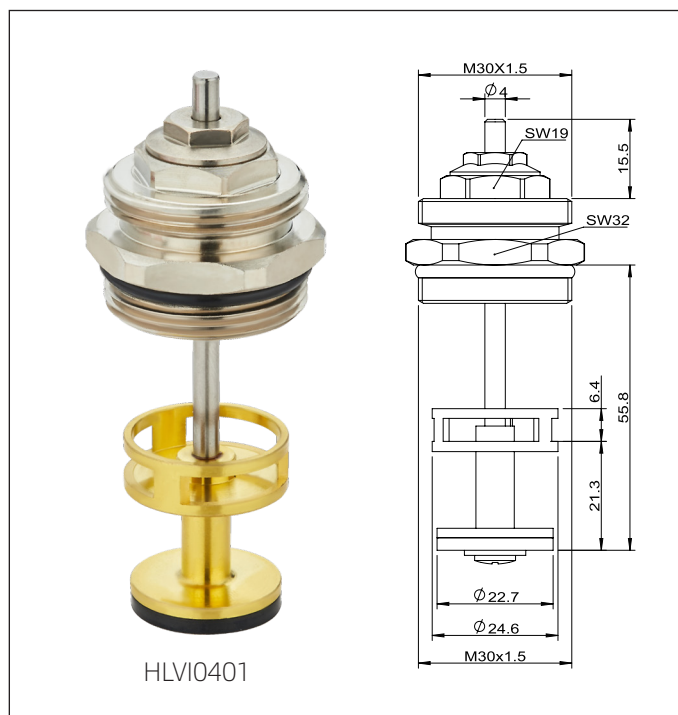
HLVIO204



INSERT OF RADIATOR VALVE



INSERT OF MIXING VALVE





NINGBO HOLY HVAC CO.,LTD

Add: No.485 Zhengtong Road, Kandun Street Cixi, Ningbo, P.R.China

Tel: +86(0)574 63035806 63286656

E-mail: hu@cnholy.cn mark@cnholy.cn

Http: //www.cnholy.cn