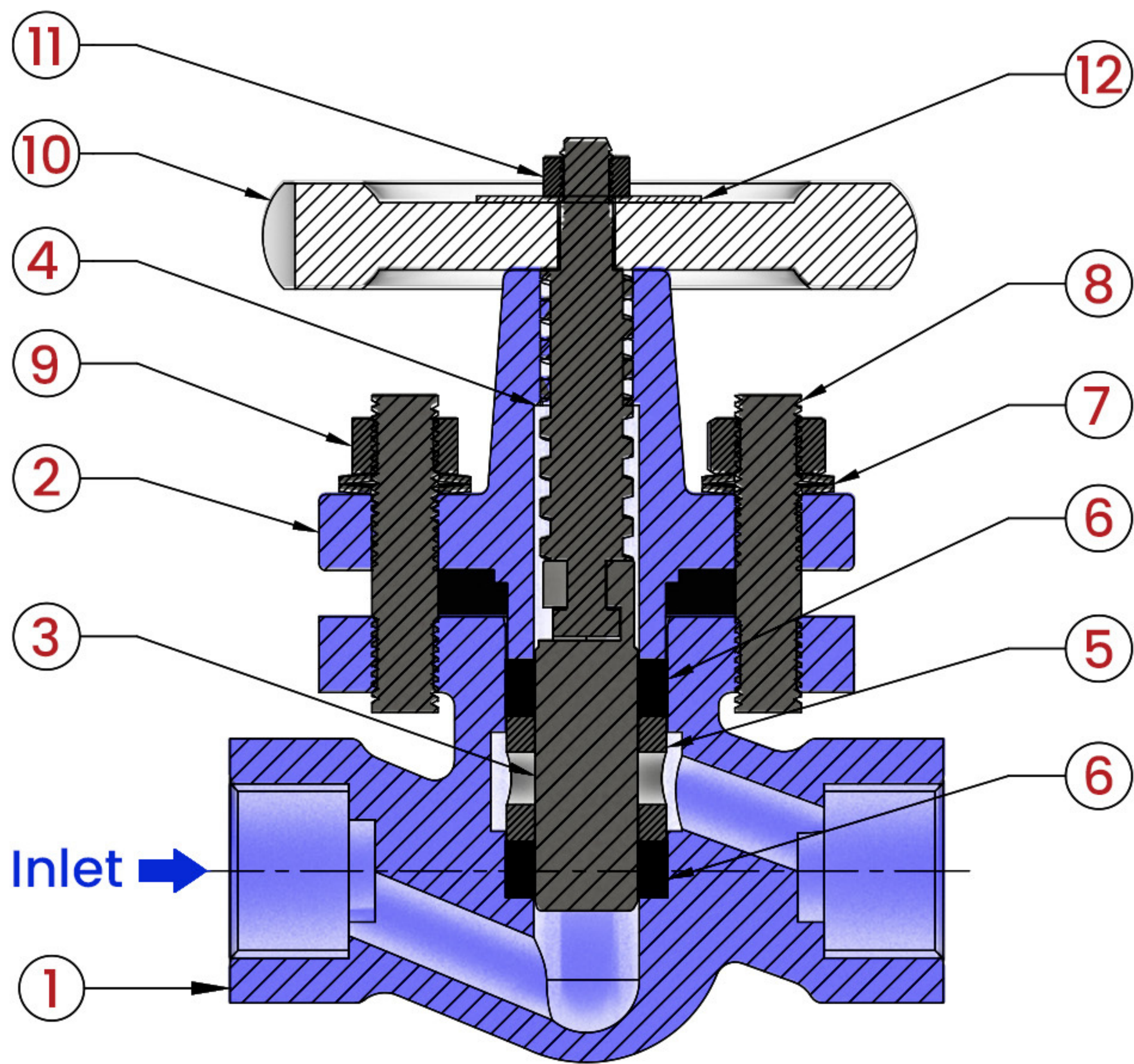


# INCOMPARABLE PISTON VALVE

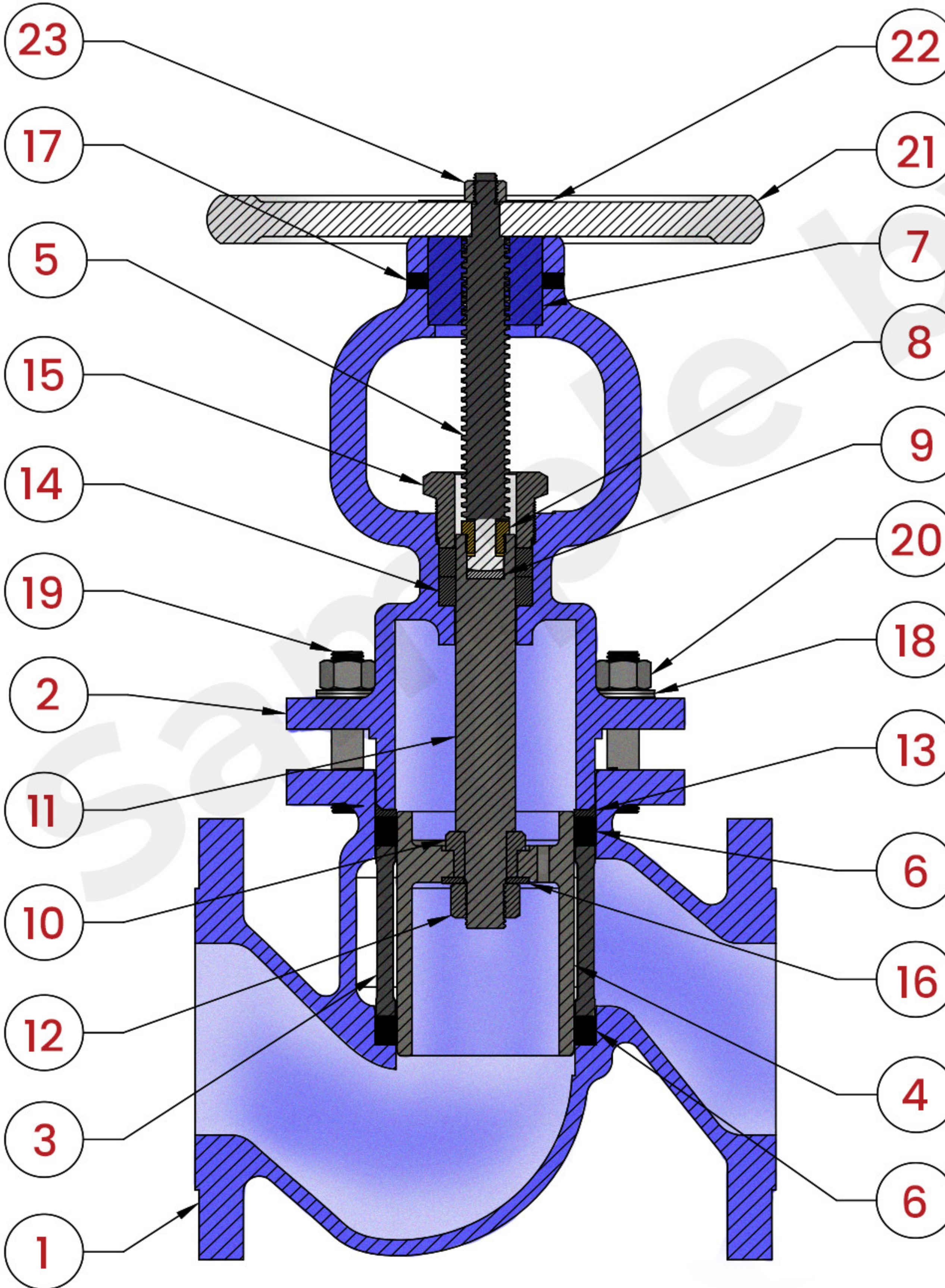
Let's redefine energy conservation and pave the way for a world where efficiency and environmental responsibility go hand in hand.



# CUT SECTION



NO	DESCRIPTION	MATERIAL	QTY
1	BODY	ASTM A105	1
2	BONNET	ASTM A105	1
3	LANTERN RING	AISI 420	1
4	SPINDLE	AISI 420	1
5	PISTON	AISI 304	1
6	SEAL RING	GRAPHITE WITH AISI 304	2
7	BELLEVILLE WASHER	51CrV4	4
8	STUD	ASTM A193 GR.B7	2
9	NUT	ASTM A194 GR.2H	2
10	HANDWHEEL	MS	1
11	NYLOC NUT	AISI 304	1
12	NAME PLATE	AISI 304	1

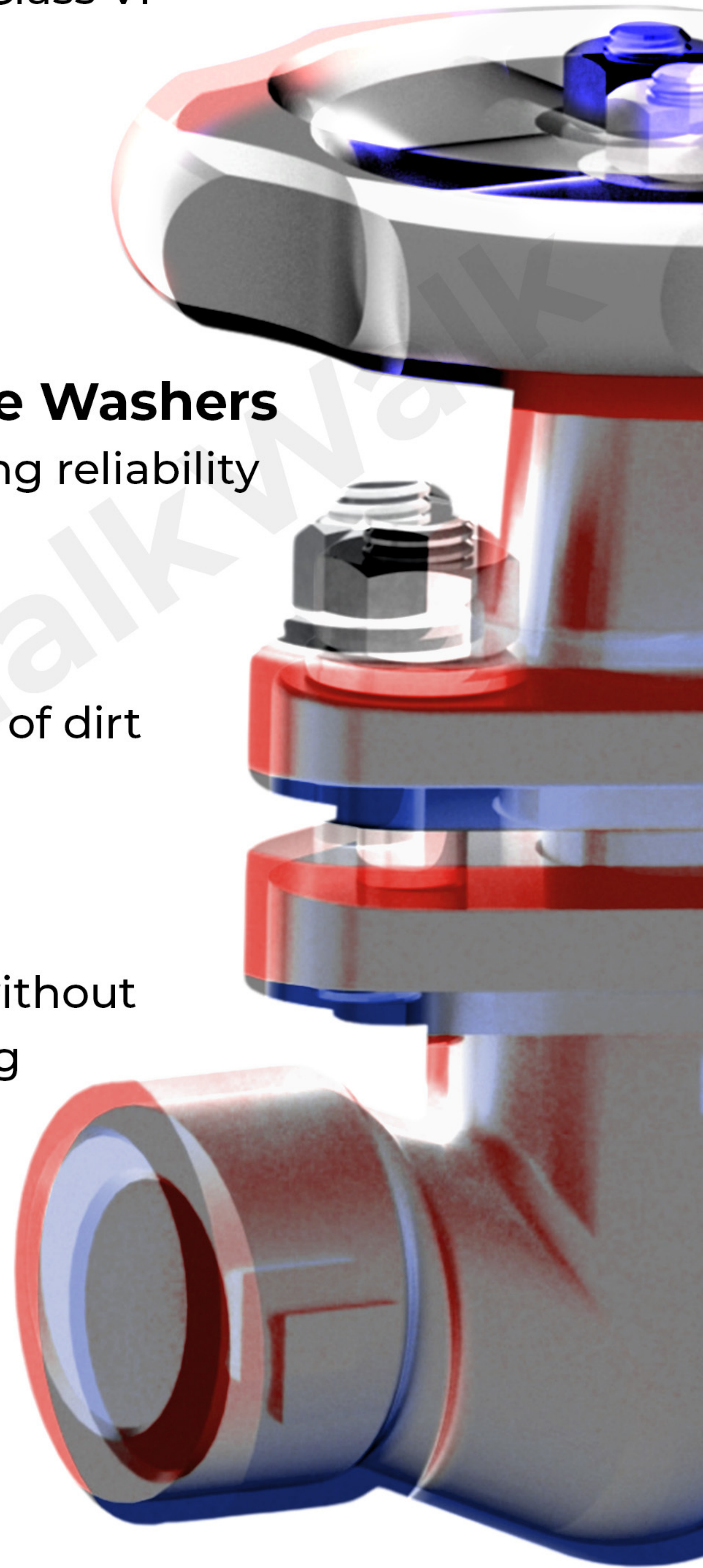


NO	DESCRIPTION	MATERIAL	QTY
1	BODY	ASTM A216 GR. WCB	1
2	BONNET	ASTM A216 GR. WCB	1
3	LANTERN RING	ASTM A743 GR.CA40	1
4	PISTON	ASTM A351 GR.CF8	1
5	SPINDLE	AISI 420	1
6	SEAL RING	GRAPHITE WITH AISI 304	2
7	BUSH	ALUMINIUM BRONZE	1
8	SPLIT NUT	BRASS	1
9	THRUST DISC	AISI 420 (H.T.)	1
10	BACK SEAT BUSH	AISI 304	1
11	STEM	AISI 304	1
12	STEM NUT	AISI 304	1
13	TAPERED SEAL RING	GRAPHITE WITH AISI 304	1
14	GLAND PACKING	GRAPHITE WITH AISI 304	1
15	GLAND NUT	AISI 304	1
16	STEM WASHER	AISI 304	1
17	BUSH RETAINER	SPRING STEEL	2
18	BELLEVILLE WASHER	51CrV4	12
19	STUD	ASTM A193 GR.B7	6
20	NUT	ASTM A194 GR.2H	6
21	HANDWHEEL	MS	1
22	NAME PLATE	AISI 304	1
23	NYLOC NUT	AISI 304	1



# FEATURES & BENEFITS

- **Large Effective Sealing Area**  
Ensures reliable shutoff with ANSI Leakage Class VI compliance.
- **Glandless Design**  
Eliminates leakage into the atmosphere, enhancing safety.
- **Reinforced Sealing Rings & Belleville Washers**  
Compensate for thermal expansions, ensuring reliability and longevity.
- **Impurity Resistant**  
Sealing remains unaffected by the presence of dirt or impurities in the media.
- **Online Serviceable**  
Enables easy replacement of sealing rings without removing the valve from the line, minimizing downtime.
- **Long Service Life**  
Robust construction and design contribute to an extended operational lifespan.
- **Cost-Effective Ownership**  
Lowers overall costs with durable performance and minimal maintenance requirements.

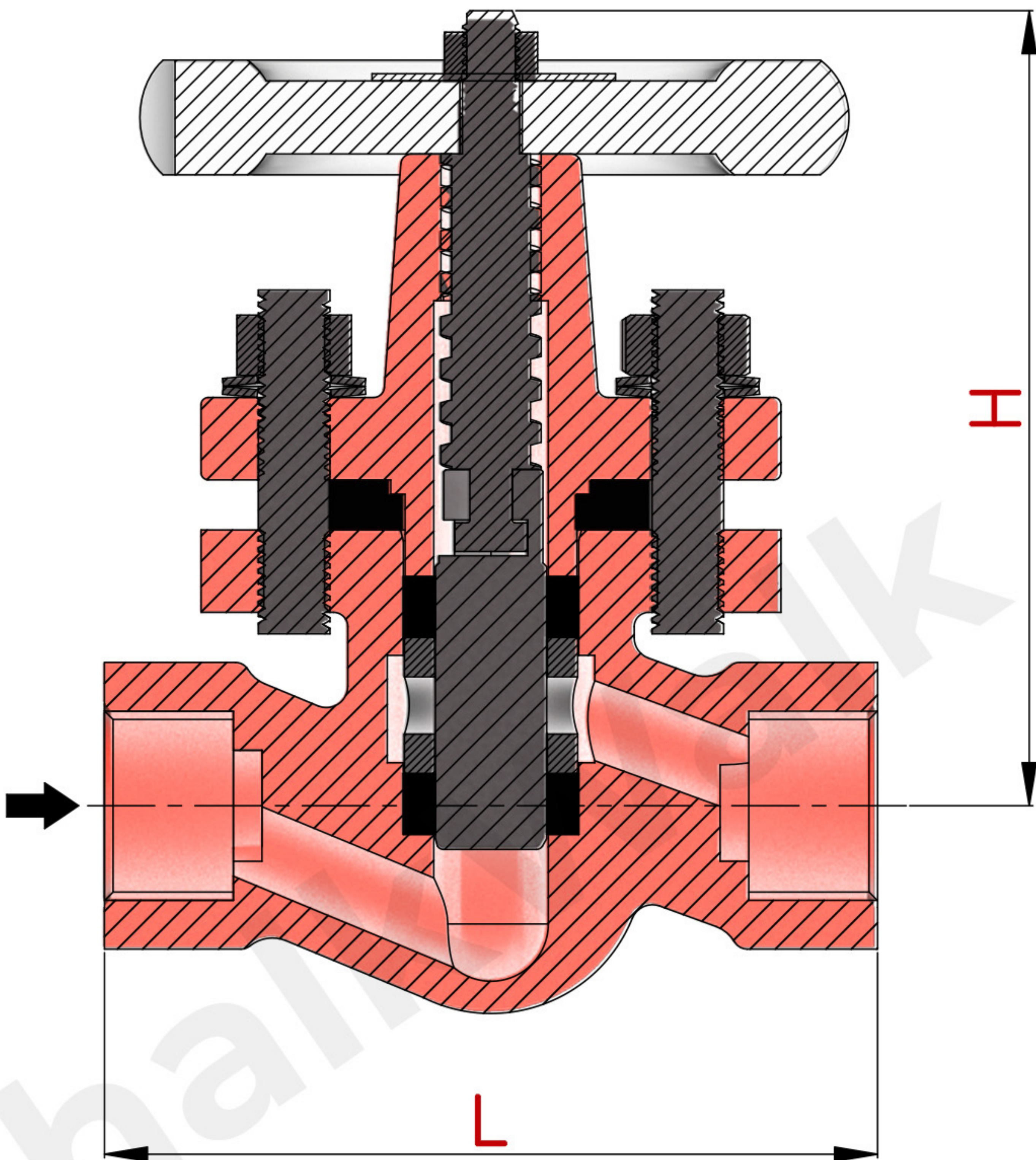




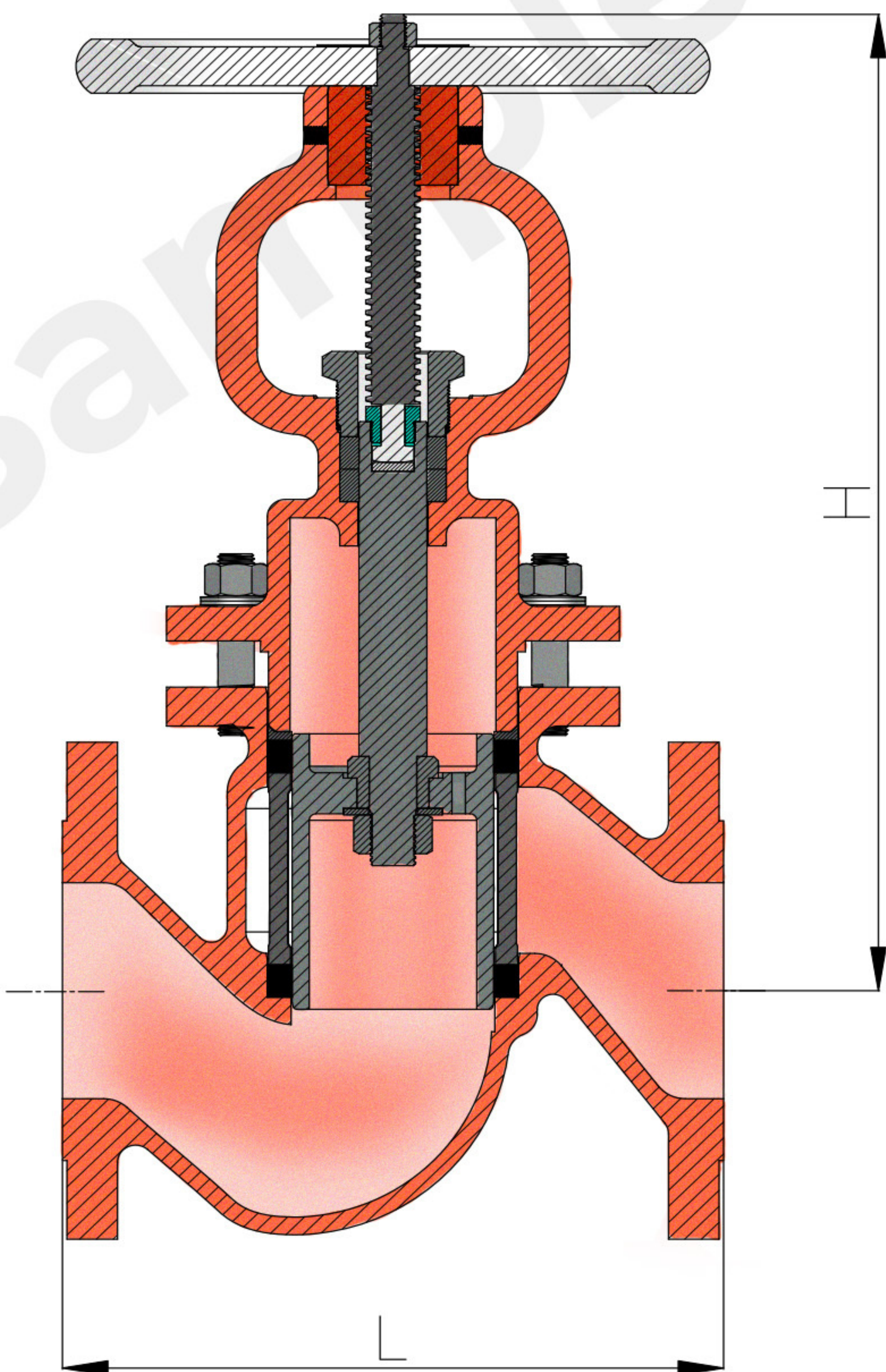
# DIMENSIONAL TABLE

- Size: 15 NB to 250 NB

RATING	SIZE	LENGTH (mm)	HEIGHT (mm)	WEIGHT KG (APPROX)
#800	DN15	108	111	1.72
	DN20	108	111	1.72
	DN25	130	137	3.15
	DN32	170	179	6.70
	DN40	170	179	6.70



- Size: Class 150 & 300

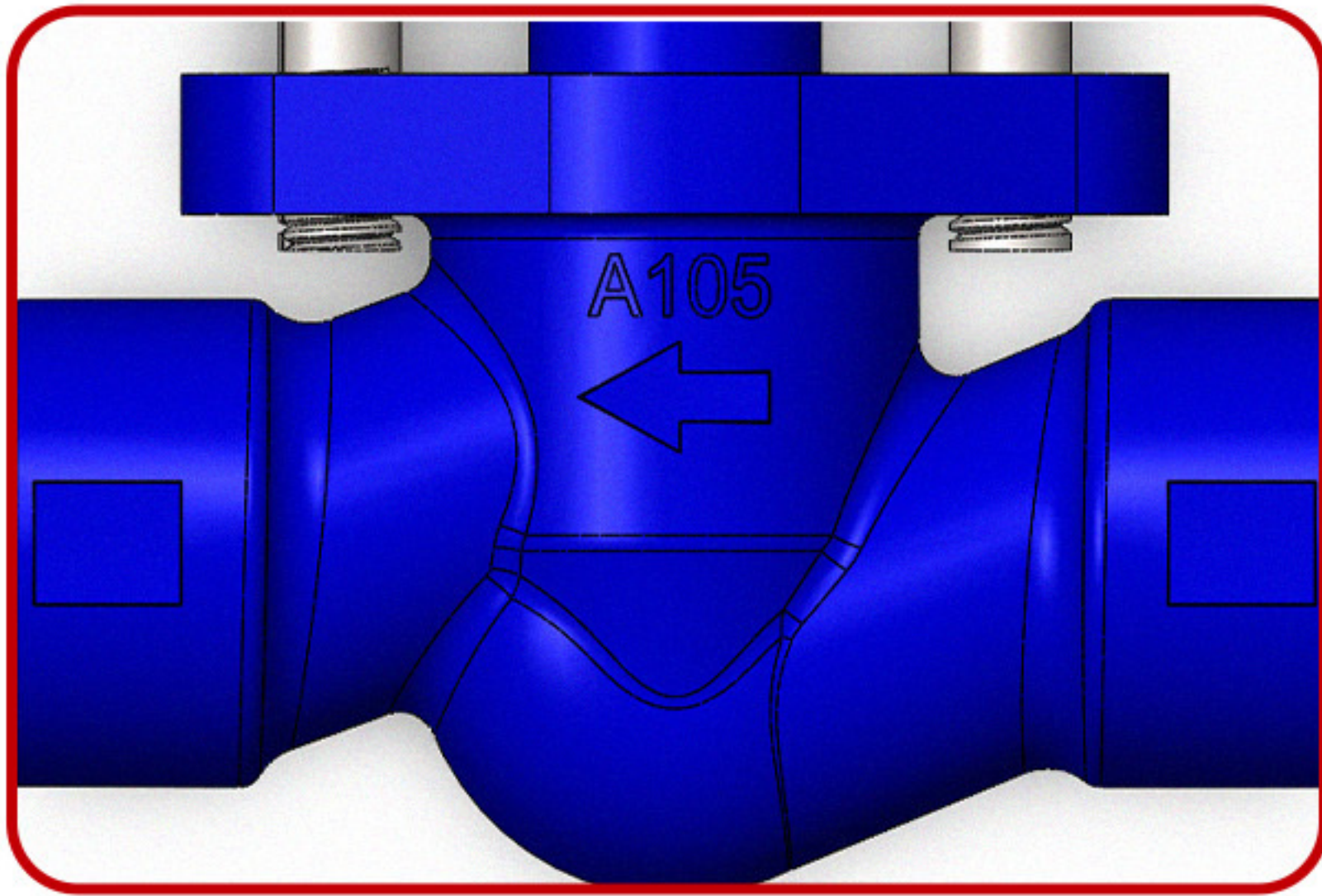


RATING	SIZE	LENGTH (mm)	HEIGHT (mm)	WEIGHT KG (APPROX)
#150	DN50	204	210	13.5
	DN65	216	308	25.0
	DN80	240	375	28.0
	DN100	292	396	48.0
	DN125	355	445	70.0
	DN150	406	482	98.0
	DN200	495	585	175.0

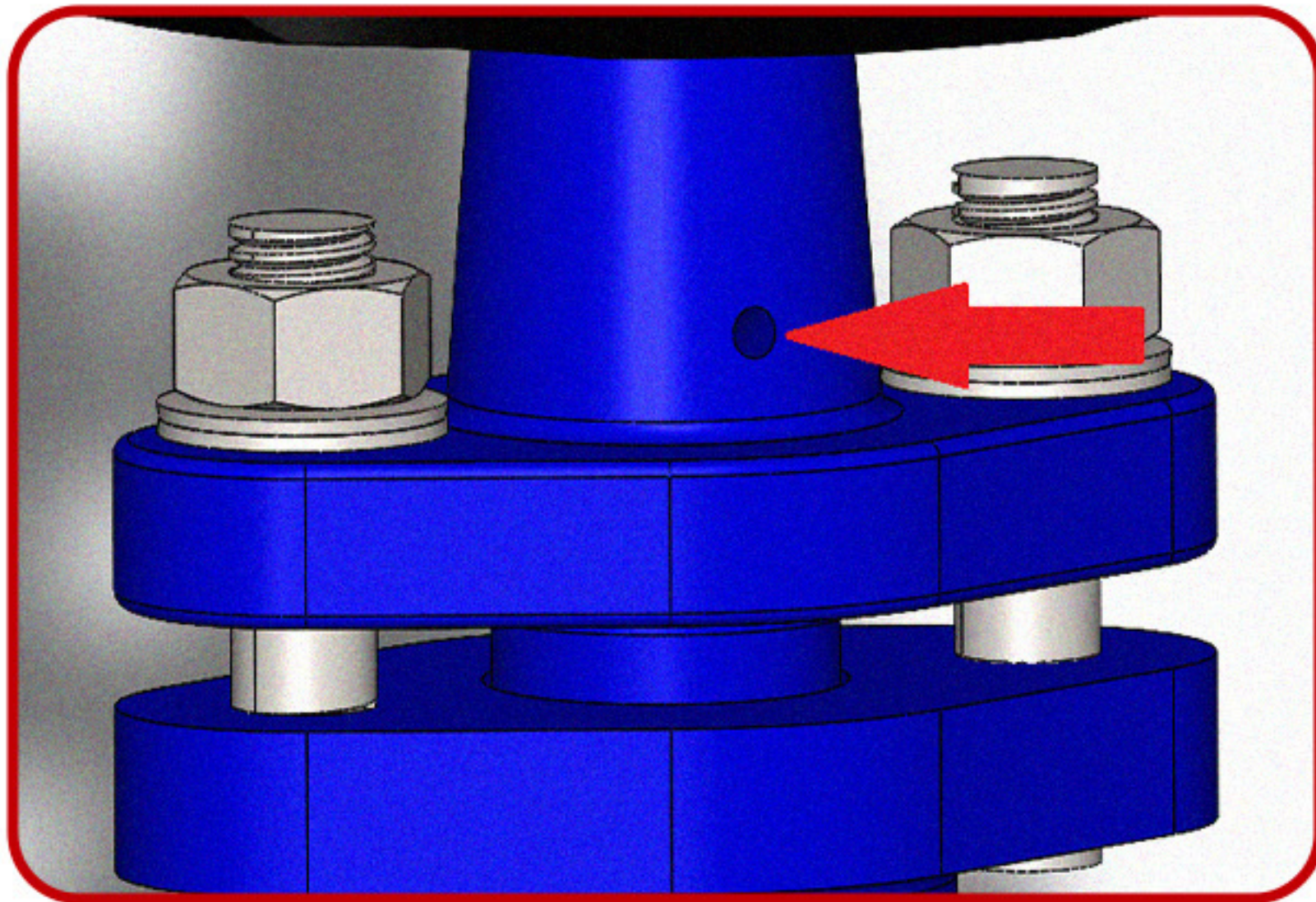
RATING	SIZE	LENGTH (mm)	HEIGHT (mm)	WEIGHT KG (APPROX)
#300	DN50	265	210	16.0
	DN65	292	308	27.0
	DN80	318	375	33.0
	DN100	356	396	54.0
	DN125	400	445	87.0
	DN150	445	482	112.0
	DN200	559	585	190.0



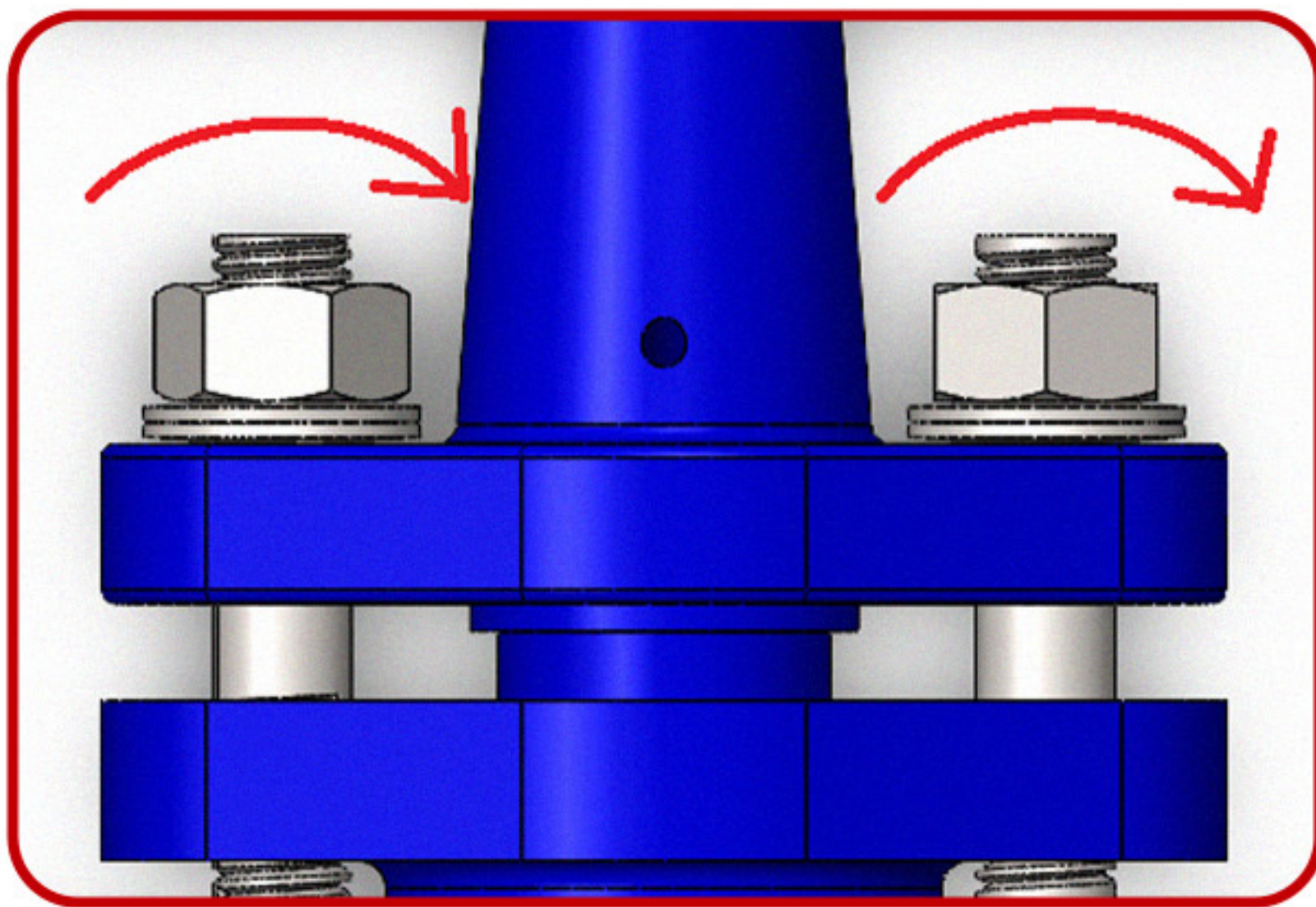
# INSTALLATION & MAINTENANCE



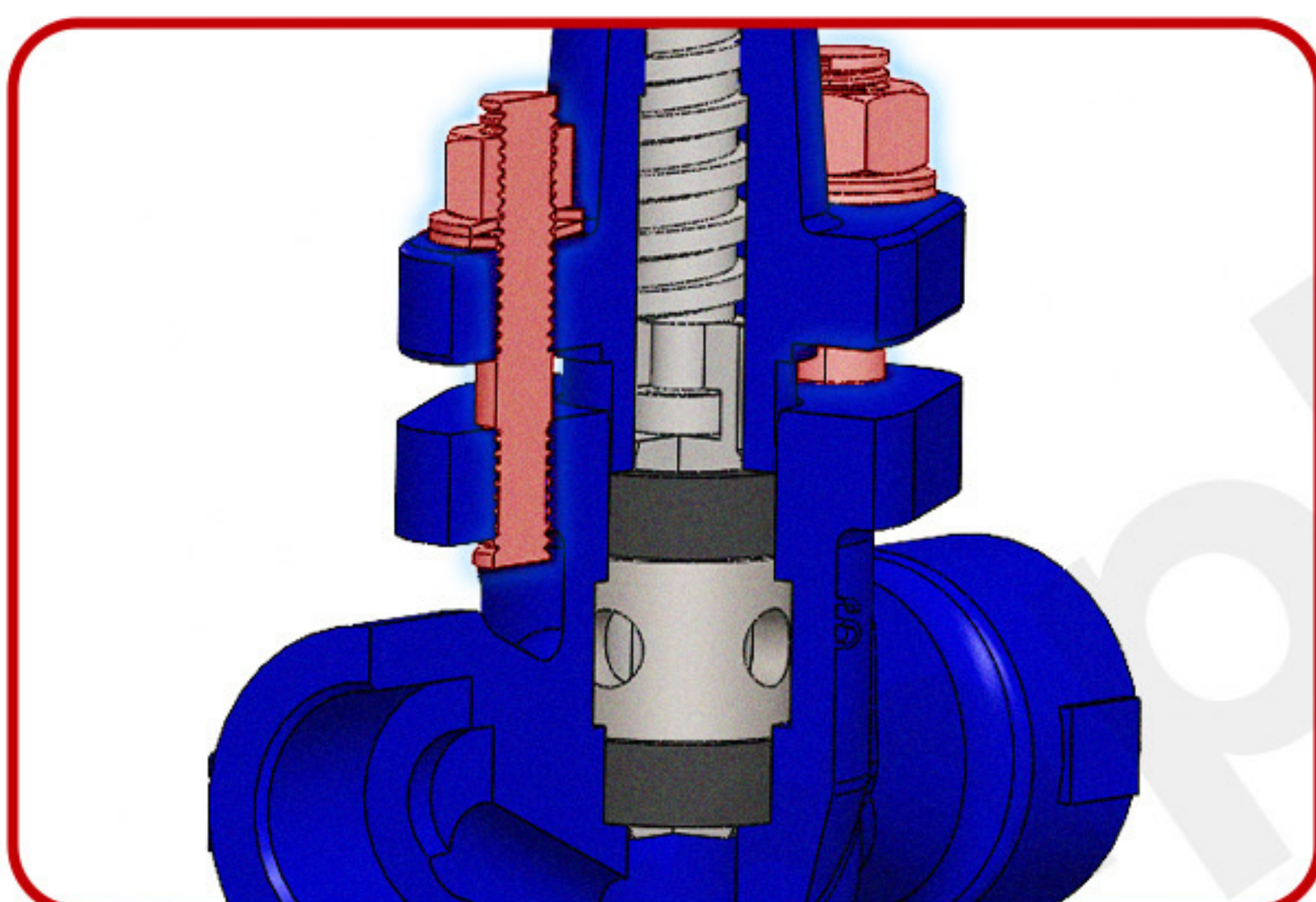
Install the Piston valve in the Direction of flow as indicated by the Arrow on the Body of Piston valve. Ensure proper flushing of the lines before we take the piston valves online.



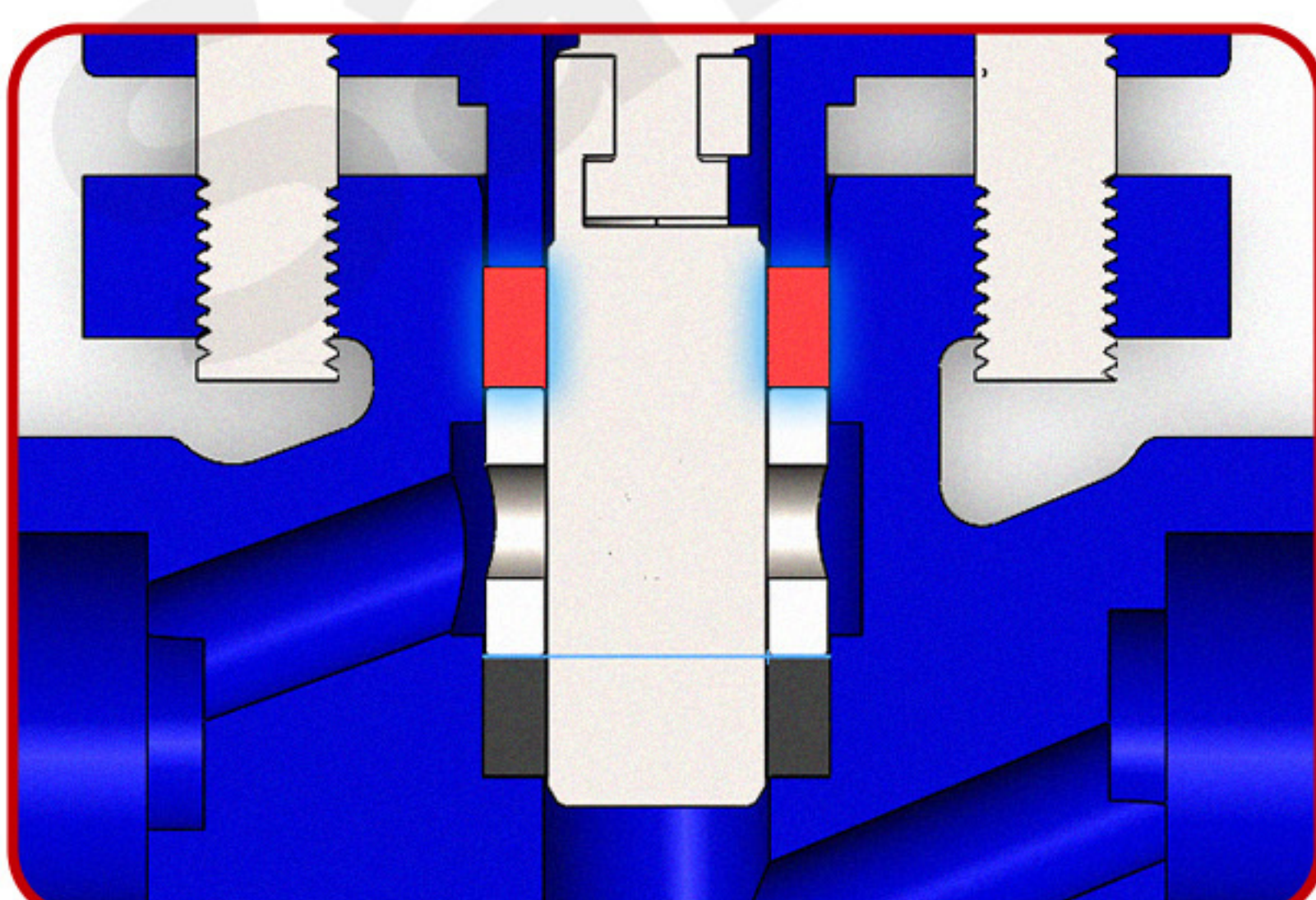
Piston valves have to be periodically lubricated with high temperature lubricant by applying the lubricant on the hole provided on the Bonnet of the Piston valve and also the spindle of the piston valve. After applying the lubricant we need to open and close the piston valves a couple of times to ensure proper spread of the lubricant.



In case of any leakage observed on the piston valve we need to first close the piston valve and then tighten the bolts holding the body and bonnet. This will ensure further expansion of the sealing rings and will eliminate the leakage of the valve.



We should refrain from excessive tightening of the handwheel, as it can damage the sealing rings.



Replacement of the sealing rings should be done following proper replacement guidelines.



Always use original Incosteam spares for any replacement bought from authorised sources only.




# About Us


Incostream International is a leading solution. provider supplying energy conservation steam products for the process industries. As pioneers in the realm of energy conservation, we take pride in revolutionizing the way industries harness and preserve energy. Our mission is simple yet impactful: to engineer a sustainable future by providing cutting-edge steam solutions, established with a vision to reshape energy efficiency, we specialize in the manufacturing of state-of-the-art steam products. At Incostream, we understand the crucial role steam plays in various industrial processes. Our meticulously crafted steam solutions not only ensure optimal performance but also contribute significantly to environmental conservation. What sets us apart is our unwavering commitment to innovation. Our team of dedicated engineers works tirelessly to develop and refine steam products and solutions that redefine industry standards. We believe in pushing boundaries and constantly strive to exceed expectations, providing our clients with solutions that are not just efficient but also cost-effective.

**Incostream - Conserving Energy, Preserving Tomorrow.**

## Get in Touch

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