



ZHEJIANG NEWTON FLUID CONTROL CO.,LTD.

Headquarters (Wenzhou)

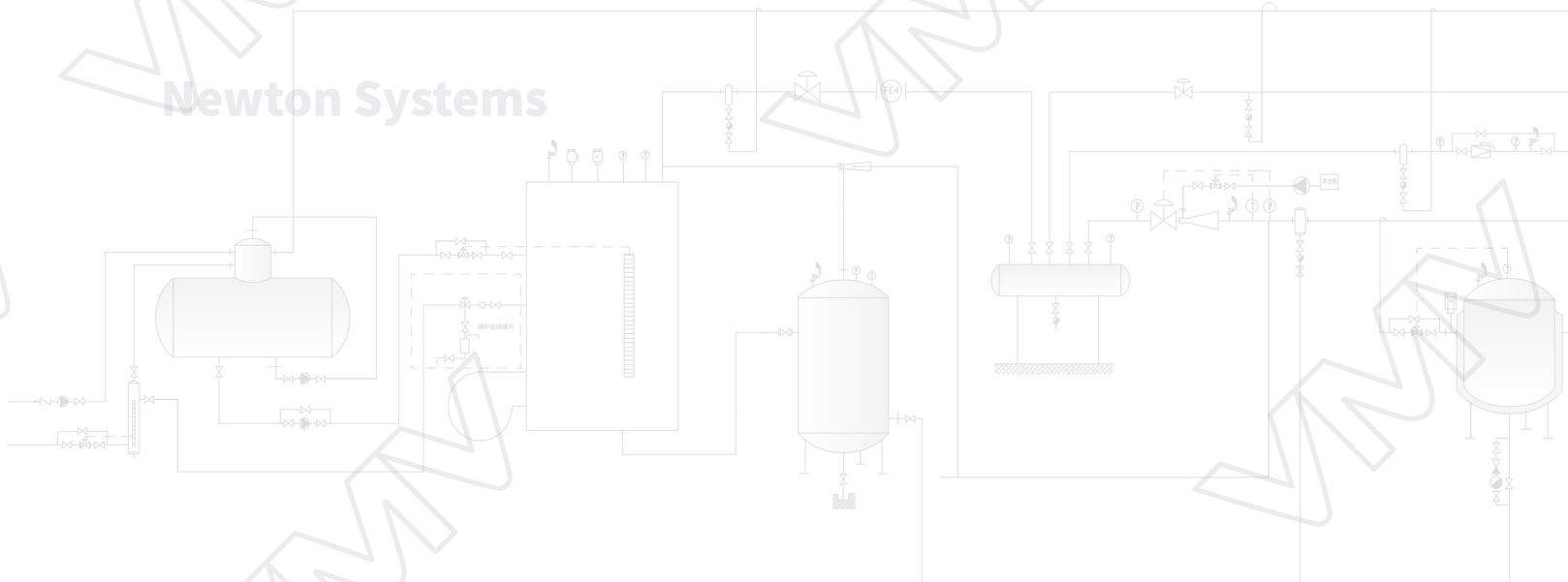
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Newton Systems



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SAFETY VALVES

- VA800 DIN Series Safety Valve
- VA200 GB Series Safety Valve
- VA500 ANSI Series Safety Valve

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VMV NEWTON — WE UNDERSTAND STEAM & THERMAL ENERGY BETTER

Take responsibility
Exert all one's energies
Contribute to clients
Walk the walk

VMV Newton provides overall system solutions of steam and thermal energy.

We are committed to responding to global energy conservation and emission reduction to achieve safety, environmental and sustainable development.

With VMV Newton's energy efficient systems, which can reduce white pollution, we aim for zero carbon emissions to ensure the sustainability of our entire production. We respect human rights, create a clean and safe working environment for more humane production, and win the trust of customers and society.





VMV MISSION

- Committed to global energy saving and security
- Strive for the sustainable development of mankind



VMV VISION

- To become an internationally leading brand in the field of steam and thermal energy system solutions by 2035, contributing to the achievement of global carbon neutrality goals.



VMV VALUES

- Take responsibility
- Exert all one's energies
- Contribute to clients
- Walk the walk



VMV SPIRIT

- Integrity
- Altruism
- Innovation
- Efficiency



Since 1998

WWW.VMVVALVE.COM

350

Employees

75000m²

Factory Area

37

Engineers

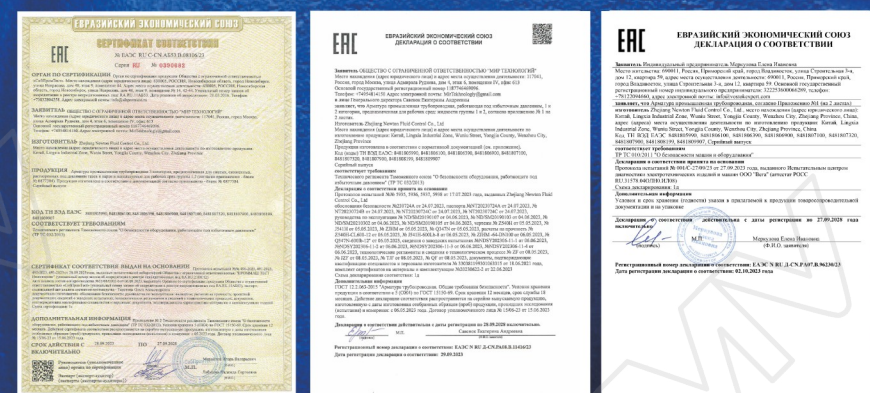
2000m²

Laboratory Area

Committed To Global Energy Saving And Security
Strive For The Sustainable Development Of Mankind

VMV®

致力于全球能源节约与安全
为人类可持续发展努力奋斗



About VMV steam system

VMV Newton is committed to providing comprehensive steam and thermal energy system solutions.

VMV has more than 30 professional engineers, specialized in steam systems, offering one-stop service like products, training and system solutions through technical communication, product selection, etc.

VMV's steam laboratory adopts different steam pressures to do type tests on each new product.

- Verify the pressure reduction ratio, closing performance and Cv value of the pressure reducing valve.
- Verify the capacity curve, back pressure rate, and steam leakage rate of steam trap.
- Verify the capacity curve and fatigue times of pump.

Each steam product undergoes necessary action testing by workshop's real boiler equipment, ensuring steam trap's precision and actual action flexibility.



Workshop1
Bellows Sealed Valve Series



Workshop2
Steam Trap Series



Workshop3
General Valve &
Customized Valve Series



Workshop4
Control Valve Series

TRUE EFFICIENCY
USE VMV

HONORARY
CERTIFICATE



PROFESSIONAL MANUFACTURER OF VALVES



FORGED STEEL AUTOMATIC PRODUCTION LINE

This production line is operated by robots to turn, mill, drill, tap, and complete the whole processing at one time.



VMV PRODUCTION MANAGEMENT

- Standardized production process
- High precision machining capability
- Accurate inventory data
- Strict quality control
- Protection of workers' health
- Environment and sustainable development



INTELLIGENT CNC MACHINE

It can process large size valve up to 40", the processing accuracy up to UM level, to ensure that each valve has high precision, to ensure zero leakage.



HIGH PRECISION GRINDING MACHINE

The grinding accuracy of the internal parts can be controlled within 3UM, and has excellent sealing performance.



MICROCOMPUTER CONTROLLED SPRING TESTING MACHINE

High-precision automatic testing equipment. The indicator to test the spring's mechanical performance. The whole process including load control, data acquisition and report generation is fully automatic.



SAFETY VALVE SETTING PRESSURE TEST BENCH

Specially designed for precise adjustment of set pressure and strict inspection of sealing performance of safety valves. Adopts high precision to verify opening set pressure with stable and controllable calibration accuracy, ensuring accurate and compliant opening pressure. Conducts pressure-bearing sealing tests by simulating actual working conditions for rigorous sealing performance verification. The whole process is fully inspected by professional testing equipment to achieve traceable and controllable product quality.



DUST-FREE WORKSHOP

Control dust, particles, bacteria and other pollutants in the production environment to ensure high-precision processing technology and high-clean product.



PRODUCT QUALITY ASSURANCE

All safety valves from our company passed comprehensive standardized and rigorous tests on the equipment before delivery, with core product performance strictly controlled throughout the whole process.



VMV TESTING LABORATORY

Equipped with spectrometer, Rockwell hardness tester, tensile testing machine, impact testing machine, metallographic testing machine, helium mass spectrometry microleak detector, etc.



VA SERIES SAFETY VALVES

VA SERIES SAFETY VALVES

Working Principle

As an overpressure protection device, the safety valve is widely applied to pressure equipment including boilers, pressure vessels and pressure pipelines. When the internal medium pressure exceeds the set value, the valve opens automatically and performs full-flow discharge to stop pressure from rising further. It will close automatically once the pressure falls back to the rated value, so as to ensure the safe and stable operation of the equipment.

Product Features

- Compact structure and reliable sealing, with excellent corrosion resistance and high temperature resistance.
- Adopted precision machining technology to ensure flexible opening & closing and accurate operation.
- Springs undergo strict heat treatment, featuring stable elasticity and long service life.
- Flange connection between valve body and bonnet facilitates installation and maintenance.
- All key components pass full factory inspection and comply with relevant standards.

Technical Standards

- TSG21 Safety Technical Supervision Regulation for Stationary Pressure Vessels
- GB/T 12241 General Requirements for Safety Valves
- GB/T 12242 Performance Test Methods for Pressure Relief Devices
- GB/T 12243 Spring Loaded Safety Valves
- JB/T 2203 Structural Length of Spring Safety Valves
- API 526 Steel Flanged Pressure Relief Valves
- API 527 Seat Tightness of Pressure Relief Valves
- API RP 576 Inspection of Pressure Relief Devices
- DIN EN ISO 4126 Safety Devices for Over pressure Protection

Main Parts Material

Part Name	Part Material Code				
	C	I	P	R	R _L
Body	WCB	WC6	CF8	CF8M	CF3M
Seat & Disc	20Cr13/304	304/316	304/316	316/316L	316L
Guide sleeve & Dash pot	20Cr13/304	304	304	316	316L
Stem	20Cr13	20Cr13	304	316	316L
Bonnet/Cover	WCB	WCB/WC6	CF8	CF8M	CF3M
Spring	50CrVA	50CrVA	50CrVA Powder Coating		

Inlet & Outlet Flange Nominal Pressure Specification (MPa)

Nominal Pressure	1.6	2.5	4.0	6.4	10.0
Inlet Flange Nominal Pressure	1.6	2.5	4.0	6.4	10.0
Outlet Flange Nominal Pressure	1.6	1.6	1.6	4.0	4.0

Setting Pressure Classification Table

Nominal Pressure (Mpa)	Setting Pressure P _k (MPa)							
1.6	≥0.1~0.16	>0.16~0.25	>0.25~0.4	>0.4~0.6	>0.6~0.8	>0.8~1.0	>1.0~1.3	>1.3~1.6
2.5	>1.3~1.6	>1.6~2.0	>2.0~2.5					
4.0	>1.3~1.6	>1.6~2.0	>2.0~2.5	>2.5~3.2	>3.2~4.0			
6.4	>2.5~3.2	>3.2~4.0	>4.0~5.0	>5.0~6.4				
10.0	>3.2~4.0	>4.0~5.0	>5.0~6.4	>6.4~8.0	>8.0~10.0			

Performance Specification Sheet

Performance Specification Applicable Medium	Shell Test Pressure P _s (Mpa)	Seal Test Pressure P _m (Mpa)	Blow down Pressure ΔP (Mpa)	Relieving Pressure P _p (Mpa)	Lift Height H(mm)
Steam	1.5 PN	90% of P _k or the minimum reseating pressure, whichever is lower	If P _k ≤0.4: then ≤0.04 If P _k >0.4: then ≤10% P _k	≤1.1 P _k	≥1/4 d ₀
Air or Other Gases		For P _k ≤0.3: then P _k -0.03 For P _k >0.3: then 90% P _k	If P _k ≤0.2: then ≤0.03 If P _k >0.2: then ≤15% P _k	≤1.1 P _k	
Water or Other Liquids			If P _k ≤0.3: then ≤0.06 If P _k >0.3: then ≤20% P _k	≤1.2 P _k	

Note: PN refers to the nominal pressure of the safety valve, PK refers to the set pressure, and d₀ is the throat diameter.

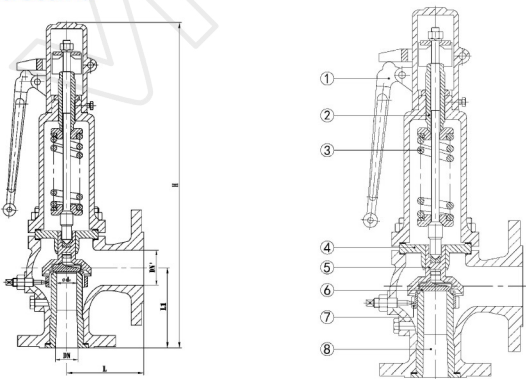
VA800 SERIES DIN STANDARD SAFETY VALVES

VA200 SERIES GB STANDARD SAFETY VALVES

VA808-¹⁶/₂₅/₄₀ C Type full lift safety valve

The VA808-16/25/40 C type is suitable for use in equipment and pipelines for media such as steam and air with a temperature ≤ 350° C. It serves as an overpressure protection device. When the pressure inside the equipment and pipelines exceeds the allowable value, the valve will automatically open and then fully discharge. When the pressure drops to the specified value, the valve will automatically close to ensure the safe operation of the equipment and pipelines.

Structure



Structural Features

1. Manual wrench: convenient for regular calibration and emergency pressure relief.
2. Spring adjusting nut: the spring preload can be flexibly adjusted by turning the nut to achieve accurate calibration of set pressure.
3. Spring: cylindrical helical compression structure made of high-quality alloy spring steel, with stable stiffness and uniform elasticity.
4. Guide sleeve: precision guide structure to ensure smooth lifting of the disc and prevent jamming and deflection.
5. Blow down ring / disc holder: when medium is discharged, it acts on the blow down ring to generate upward thrust, enabling the disc to open fully rapidly.
6. Disc and seat: sealing faces are hard faced with cemented carbide, featuring high hardness, wear resistance, erosion resistance and high temperature resistance, maintaining stable sealing under long-term pressure.
7. Adjusting ring: precisely controls reseating pressure and opening-closing characteristics to optimize discharge performance.
8. Seat: nozzle-type design helps the disc open fully quickly, improves response speed, reduces flow resistance, and significantly enhances the discharge efficiency of the safety valve.

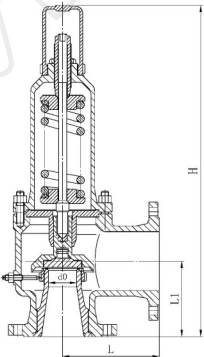
Dimension

Nominal Diameter	Size (mm)			
DNxDN'(mm)	d ₀	L	L1	H≈
20x32	18	85	95	400
25x40	23	100	105	420
32x50	29	110	115	470
40x65	38	115	140	540
50x80	46	120	150	610
65x100	60	140	170	670
80x125	74	160	195	780
100x150	92	180	220	890
125x200	105	200	250	1030
150x250	125	225	285	1160

VA200-¹⁶/₂₅/₄₀ C/P/R Type full lift safety valve

The VA200-16/25/40 C type safety valves are applicable to equipment and pipelines handling media such as air and petroleum gas at working temperatures ≤ 300°C. VA200-16/25/40 P/R safety valves are applicable to equipment and pipelines handling corrosive gaseous media at working temperatures ≤ 200°C. As over pressure protection devices, these valves automatically open to discharge full volume when the pressure inside the equipment and pipelines exceeds the allowable value, and automatically close when the pressure drops to the specified value, ensuring the safe operation of the equipment and pipelines.

Structure



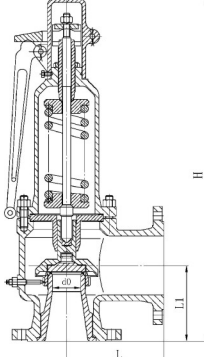
Dimension

Nominal Diameter	Size (mm)				
DNxDN'(mm)	d ₀	L	L1	(VA200)H≈	(VA208)H≈
25x32	16	110	95	378	411
32x40	20	115	100	378	411
40x50	25	120	110	406	472
50x65	32	135	120	450	532
65x80	40	160	140	520	556
80x100	50	170	135	525	561
100x125	65	195	175	690	667
125x150	80	210	190	780	857
150x175	100	255	230	838	915
200x250	125	300	260	992	1093

VA208-¹⁶/₂₅/₄₀ C Type full lift safety valve

The VA208-16/25/40 C type safety valve is suitable for equipment and pipelines handling media such as steam and air at working temperatures ≤ 350°C. As an over pressure protection device, the valve automatically opens to discharge full volume when the pressure inside the equipment and pipelines exceeds the allowable value, and automatically closes when the pressure drops to the specified value, ensuring the safe operation of the equipment and pipelines.

Structure



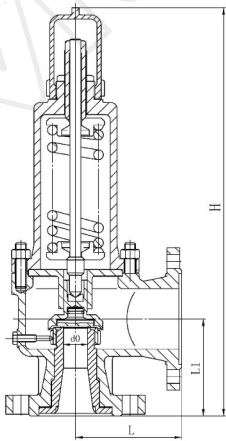
VA200 SERIES GB STANDARD SAFETY VALVES

VA500 SERIES ANSI STANDARD SAFETY VALVE

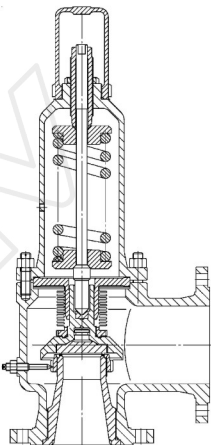
VA200-⁶⁴/₁₀₀ C/P/R Type full lift safety valve

The VA200-64/100 C type safety valves are applicable to equipment and pipelines handling media such as air and petroleum gas at working temperatures ≤ 300°C. The VA200-64/100 P/R type safety valves are applicable to equipment and pipelines handling corrosive gaseous media at working temperatures ≤ 200°C. As over pressure protection devices, these valves automatically open to discharge full volume when the pressure inside the equipment and pipelines exceeds the allowable value, and automatically close when the pressure drops to the specified value, ensuring the safe operation of the equipment and pipelines.

Structure



VA201 Balanced Bellows Structure



Dimension

Nominal Diameter	Size (mm)			
DNxDN'(mm)	d ₀	L	L1	H≈
25x32	16	110	100	277
32x40	20	130	110	289
40x50	25	130	120	319
50x65	32	155	130	389
65x80	40	175	160	490
80x100	50	175	160	490

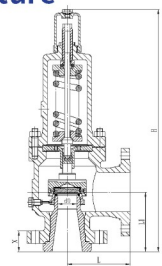
Structural Features

- The valve seat and valve body are detachable, facilitating maintenance and being economical.
- The umbrella-shaped counter-pressure disc can effectively enhance the lift force. The valve disc can be quickly opened under a small overpressure, thereby achieving the purpose of protecting the equipment.
- The adjusting ring can adjust the opening and closing differential pressure.
- The appropriate selection of the clearance between the counter-pressure disc, the guide sleeve and the valve stem ensures the flexible movement of the valve opening and closing.
- The sealing surfaces of the valve disc and the valve seat are welded with hard alloy, and after surface fine grinding, they ensure high sealing performance and long service life.
- The wave-shaped tube in the balanced wave-shaped tube safety valve can eliminate the influence of back pressure fluctuations on the valve performance and also protect the spring and other internal components from corrosion by the medium.
- The selection of the material and processing technology of the spring and the wave tube are meticulous, and strict tests and inspections are carried out.

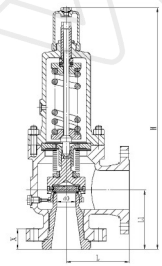
Performance

Set pressure deviation	≤ ±3%
Exceeding pressure	≤ 10%
Opening and closing pressure difference	≤ 15%
Sealing performance	Compliant with API 527

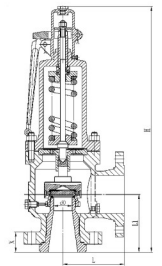
Structure



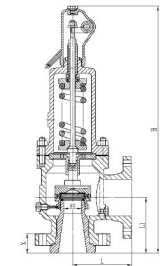
VA500 Common Type



VA501 Balanced Bellow Type



VA508 Lever Type



VA504 Closed Lever Type

Throat Dia.D Specification& Dimension

d ₀ =14mm 154mm ²	Flange Rating(Lb)		38°CMax. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
1D2	150	150	1.96	1.58	114	105	30	440
1D2	300	150	1.96	1.58	114	105	30	440
1D2	300	150	1.96	1.58	114	105	30	440
1D2	600	150	1.96	1.58	114	105	30	440

Throat Dia.E Specification& Dimension

d ₀ =14mm 154mm ²	Flange Rating(Lb)		38°CMax. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
1E2	150	150	1.96	1.58	114	105	30	440
1E2	300	150	1.96	1.58	114	105	30	440
1E2	300	150	1.96	1.58	114	105	30	440
1E2	600	150	1.96	1.58	114	105	30	440

VA500 SERIES ANSI STANDARD SAFETY VALVE

VA500 SERIES ANSI STANDARD SAFETY VALVE

Throat Dia.F Specification& Dimension

d _o =18mm 254mm ²	Flange Rating(Lb)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
11/2F2	150	150	1.96	1.58	121	124	32	536
11/2F2	300	150	1.96	1.58	121	124	32	536
11/2F2	300	150	1.96	1.58	152	124	35	536
11/2F2	600	150	1.96	1.58	152	124	35	536

Throat Dia.J Specification& Dimension

d _o =36mm 1018mm ²	Flange Rating(Lb)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
2J3	150	150	1.96	1.58	124	137	49	673
2J3	300	150	1.96	1.58	124	137	49	673
2J3	300	150	1.96	1.58	181	184	49	786
2J3	600	150	1.96	1.58	181	184	49	786

Throat Dia.G Specification& Dimension

d _o =22.5mm 398mm ²	Flange Rating(Lb)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
11/2G3	150	150	1.96	1.58	121	124	32	536
11/2G3	300	150	1.96	1.58	121	124	32	536
11/2G3	300	150	1.96	1.58	152	124	35	536
11/2G3	600	150	1.96	1.58	152	124	35	536

Throat Dia.K Specification& Dimension

d _o =43mm 1452mm ²	Flange Rating(Lb)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
3K4	150	150	1.96	1.03	162	156	49	758
3K4	300	150	1.96	1.03	162	156	49	758
3K4	300	150	1.96	1.03	162	156	49	758
3K4	600	150	1.96	1.38	181	184	49	786

Throat Dia.H Specification& Dimension

d _o =28.3mm 629mm ²	Flange Rating(Lb)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
11/2H3	150	150	1.96	1.58	124	130	38	542
11/2H3	300	150	1.96	1.58	124	130	38	542
2H3	300	150	1.96	1.58	124	130	43	666
2H3	600	150	1.96	1.58	162	154	56	691

Throat Dia.L Specification& Dimension

d _o =53.5mm 2248mm ²	Flange Rating(Lb)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
3L4	150	150	1.96	0.69	165	156	49	758
3L4	300	150	1.96	0.69	165	156	49	758
4L6	300	150	1.96	1.17	181	179	49	853
4L6	600	150	1.96	1.17	203	179	57	853

VA500 SERIES ANSI STANDARD SAFETY VALVE

VA500 SERIES ANSI STANDARD SAFETY VALVE

Throat Dia.M Specification& Dimension

d ₀ =60.3mm 2856mm ²	Set Press Pk(MPa)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
4M6	150	150	1.96	0.55	184	178	48	852
4M6	300	150	1.96	0.55	184	178	48	852
4M6	300	150	1.96	1.10	184	178	48	852
4M6	600	150	1.96	1.10	203	178	56	852

Throat Dia.Q Specification& Dimension

d ₀ =105.5mm 8742mm ²	Set Press Pk(MPa)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
6Q8	150	150	0.79	0.48	241	240	68	855
6Q8	300	150	0.79	0.48	241	240	68	1120
6Q8	300	150	0.79	0.79	241	240	68	1120
6Q8	600	150	0.79	0.79	241	240	68	1120

Throat Dia.N Specification& Dimension

d ₀ =66mm 3421mm ²	Set Press Pk(MPa)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
4N6	150	150	1.96	0.55	210	197	48	871
4N6	300	150	1.96	0.55	210	197	48	871
4N6	300	150	1.96	1.10	210	197	48	871
4N6	600	150	1.96	1.10	222	197	72	871

Throat Dia.R Specification& Dimension

d ₀ =126mm 12568mm ²	Flange Rating(Lb)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
6R8	150	150	0.41	0.41	241	240	68	1120
6R8	300	150	0.41	0.41	241	240	68	1120
6R10	300	150	0.69	0.69	267	240	68	1426
6R10	600	150	0.69	0.69	267	240	68	1426

Throat Dia.P Specification& Dimension

d ₀ =80mm 5027mm ²	Set Press Pk(MPa)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
4P6	150	150	1.96	0.55	229	181	48	855
4P6	300	150	1.96	0.55	229	181	48	855
4P6	300	150	1.96	1.03	254	225	62	1079
4P6	600	150	1.96	1.03	254	225	62	1079

Throat Dia.T Specification& Dimension

d ₀ =161.5mm 20485mm ²	Flange Rating(Lb)		38°C Max. Back Press(Mpa)		Dimension(mm)			
	Inlet	Outlet	Normal Type	Bellows Type	L	L1	X	(VA500)H≈
8T10	150	150	0.20	0.20	279	276	62	1462
8T10	300	150	0.20	0.20	279	276	62	1462
8T10	300	150	0.41	0.41	279	276	62	1462
8T10	600	150	0.69	0.69	279	276	62	1462

VA SERIES SAFETY VALVES

VA SERIES SAFETY VALVES

Superheat Steam Correction Factor K_{sh}

Absolute Pressure Mpa	Sat Temp °C	Inlet temperature °C																					
		200	220	240	260	280	300	320	340	360	380	400	420	440	460	480	500	520	540	560	580	600	
		Superheat Steam Correction Factor Ksh																					
0.4	144	0.99	0.97	0.95	0.93	0.91	0.90	0.88	0.86	0.85	0.84	0.82	0.81	0.80	0.79	0.78	0.76	0.75	0.74	0.73	0.73	0.72	
0.7	165	0.99	0.98	0.96	0.94	0.92	0.90	0.88	0.87	0.85	0.84	0.82	0.81	0.80	0.79	0.78	0.76	0.76	0.74	0.74	0.73	0.72	
1.0	180	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.87	0.85	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	
1.3	192	1.00	0.99	0.97	0.94	0.92	0.91	0.89	0.87	0.86	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	
1.6	201	1.00	0.99	0.97	0.95	0.93	0.91	0.89	0.88	0.86	0.84	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	
1.9	210		1.00	0.98	0.95	0.93	0.91	0.89	0.88	0.86	0.85	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	
2.2	217		1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.85	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	
2.5	221		1.00	0.99	0.97	0.94	0.93	0.90	0.88	0.87	0.85	0.84	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	
3.0	234			0.99	0.97	0.95	0.93	0.90	0.89	0.87	0.85	0.84	0.82	0.81	0.79	0.78	0.77	0.76	0.75	0.74	0.73	0.72	
3.5	242			1.00	0.98	0.96	0.94	0.91	0.89	0.87	0.85	0.84	0.82	0.81	0.80	0.79	0.77	0.76	0.75	0.74	0.73	0.72	
4.0	250				0.99	0.97	0.94	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.79	0.78	0.76	0.75	0.74	0.73	0.72	
4.5	258				1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.79	0.78	0.77	0.75	0.74	0.73	0.72	
5.0	264					0.98	0.95	0.93	0.91	0.88	0.87	0.85	0.83	0.82	0.80	0.79	0.78	0.77	0.76	0.75	0.76	0.73	
5.5	270					0.99	0.96	0.93	0.91	0.89	0.87	0.85	0.84	0.82	0.81	0.79	0.78	0.77	0.76	0.75	0.76	0.73	
6.0	276					0.99	0.97	0.94	0.92	0.89	0.87	0.85	0.84	0.82	0.81	0.80	0.78	0.77	0.76	0.75	0.76	0.73	
6.5	281					1.00	0.97	0.95	0.92	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.78	0.77	0.76	0.75	0.76	0.73	
7.0	286						0.98	0.95	0.94	0.90	0.88	0.86	0.84	0.83	0.81	0.80	0.79	0.77	0.76	0.75	0.76	0.73	
7.5	290						0.99	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.81	0.80	0.79	0.78	0.76	0.75	0.76	0.73	
8.0	295						0.99	0.96	0.94	0.91	0.89	0.87	0.85	0.83	0.82	0.80	0.79	0.78	0.76	0.75	0.76	0.73	
8.5	299						1.00	0.97	0.95	0.92	0.90	0.87	0.85	0.83	0.82	0.81	0.79	0.78	0.77	0.75	0.76	0.73	
9.0	303							0.98	0.96	0.93	0.90	0.88	0.88	0.84	0.82	0.81	0.79	0.78	0.77	0.76	0.76	0.73	
9.5	307							0.98	0.97	0.93	0.90	0.88	0.88	0.84	0.82	0.81	0.80	0.78	0.77	0.76	0.75	0.73	
10.0	311							0.99	0.97	0.94	0.91	0.88	0.88	0.85	0.83	0.81	0.80	0.78	0.77	0.76	0.75	0.74	
11.0	318							1.00	0.98	0.95	0.92	0.89	0.87	0.85	0.83	0.81	0.80	0.79	0.77	0.76	0.75	0.74	
12.0	324								0.98	0.96	0.92	0.89	0.87	0.85	0.83	0.81	0.80	0.78	0.77	0.76	0.74	0.73	
13.0	331								0.98	0.97	0.93	0.90	0.87	0.85	0.83	0.81	0.79	0.78	0.76	0.75	0.74	0.73	
14.0	336								0.99	0.96	0.93	0.90	0.87	0.85	0.82	0.81	0.79	0.77	0.76	0.75	0.73	0.72	
15.0	342								1.00	0.96	0.94	0.90	0.87	0.84	0.82	0.80	0.78	0.77	0.75	0.74	0.73	0.72	
16.0	347									0.97	0.95	0.90	0.87	0.84	0.82	0.80	0.78	0.76	0.75	0.73	0.72	0.71	
17.0	352									0.97	0.95	0.90	0.88	0.84	0.81	0.79	0.77	0.76	0.74	0.73	0.71	0.70	
18.0	357									0.98	0.94	0.90	0.88	0.83	0.80	0.78	0.76	0.75	0.73	0.72	0.71	0.69	
19.0	361									1.00	0.94	0.90	0.86	0.82	0.80	0.78	0.76	0.74	0.73	0.71	0.70	0.68	
20.0	366										0.93	0.90	0.85	0.81	0.79	0.76	0.74	0.73	0.72	0.70	0.68	0.67	
21.0	370										0.93	0.90	0.84	0.80	0.78	0.76	0.73	0.71	0.70	0.68	0.67	0.66	
22.0	374										0.94	0.89	0.83	0.79	0.76	0.74	0.72	0.70	0.69	0.67	0.65	0.64	

Note: Blank means Ksh=1

Safety Valve Ordering Instructions

To select the appropriate safety valve for your equipment, users may refer to the catalog for model selection and provide the following information when placing an order. Welcome to consult us, we will meet your requirements and assist with safety valve selection and procurement.

Order Item	EX: Steam Workshop Renovation
Model	VA808
Size (Inlet x Flow Code x Outlet)	40x38x65
Inlet Flange Class	PN40
Outlet Flange Class	PN16
Service Medium	Saturated Steam
Medium State (Liquid, Gas or Steam)	Steam
Temperature	150°C
Material	WCB
Set Pressure	0.35MPa
Allowable Overpressure	10%
Blowdown Pressure	10%
Working Pressure	0.2Mpa
Back Pressure (Constant or Variable)	Constant Atmospheric Pressure
Bonnet Type	Open Type
Discharge Capacity	1100kg/h
Order Quantity	5
Other Order Requirements	No