V&G
VALOGIN

ZHEJIANG VALOGIN TECHNOLOGY CO., LTD.

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VALVE EXPERT

SINCE 1985



V&G VALOGIN

ZHEJIANG VALOGIN TECHNOLOGY CO., LTD.

VISION

Create the Leading Global Brand of
Brass Valve

MISSION

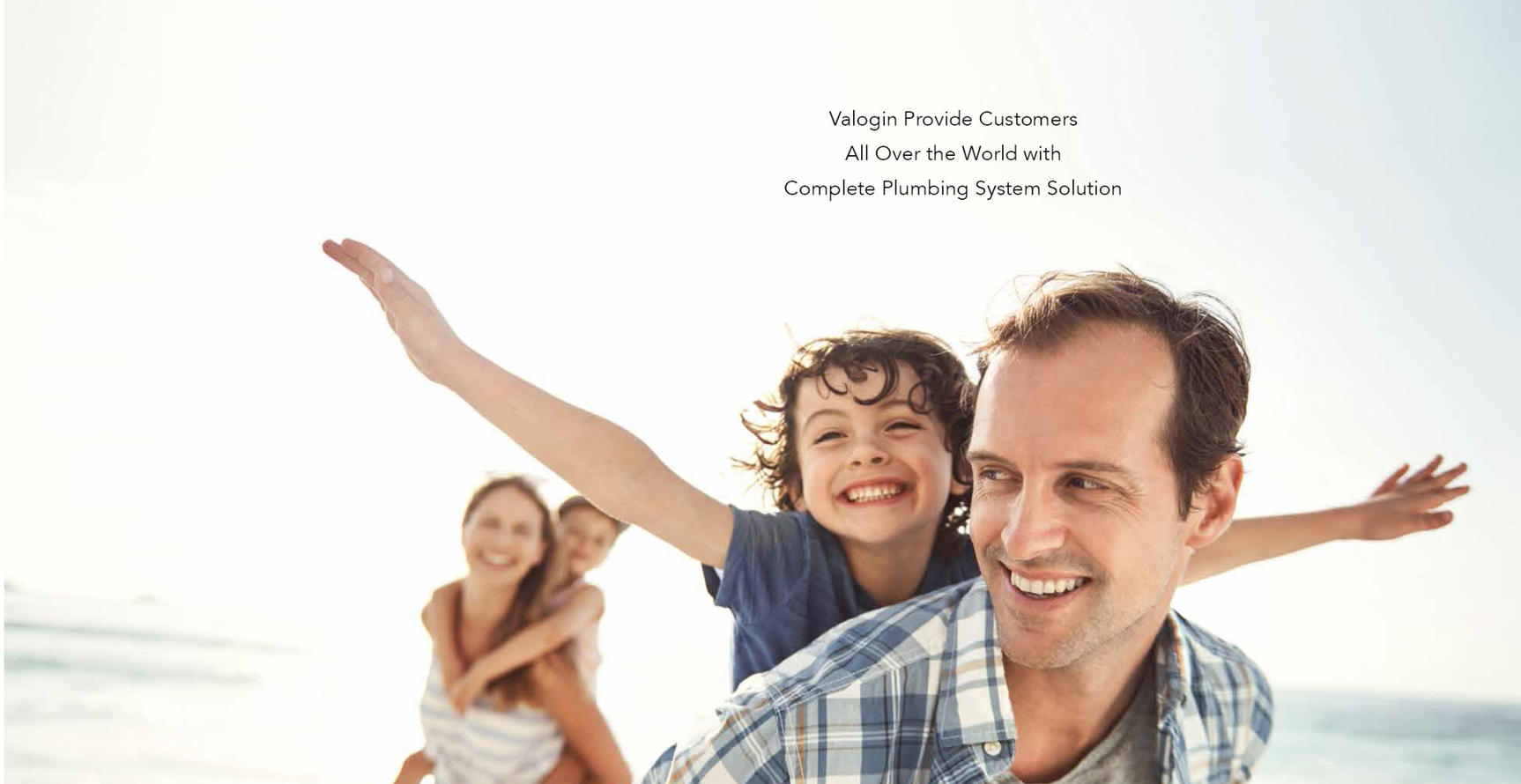
Build High-quality Valve and Enhance
Customer Satisfaction

SIX VALUES

- Integrity
- Manner
- Innovation
- Pragmatist
- Value
- Gratitude

V&G
VALOGIN

Valogin Provide Customers
All Over the World with
Complete Plumbing System Solution





COMPANY PROFILE

Zhejiang Valogin Technology Co., Ltd. is a joint-stock company engaged in the research&development, manufacturing and sales of drainage control, gas system, HVAC system and other fluid control as well as its supporting products. Our products cover brass valve and fittings for Plumbing, sanitary ware, heating and refrigeration systems, and we are committed to providing the world's best one-stop solutions for water, gas, oil, heating systems, and refrigeration accessories.The factory covers an area of more than 28,000 square meters with over 1,000 employees. The plant is equipped with independent environmental-protection new energy power equipment, which is energy-saving, efficient, and can continue to maintain production in unexpected situations.

Valogin has now passed ISO9001, ISO14000, ISO45001 management system certification, and has obtained CNAS, CE, DVGW, AGA, INIG, WARS, NSF, CUPC, CSA, AB1953 and other certificates, actively moving towards an international enterprise group.

Valogin is equipped with a national laboratory testing center, with more than 70 R&D technicians, including more than 15 full-time R&D engineers, and has extensive R&D experience in heating, air-conditioning valve systems and water systems. The laboratory covers an area of about 1025 square meters, and has established a nationally recognized laboratory in accordance with ISO17025 standard. Inverted metallographic microscope, pseudo-system comprehensive test bench and more than 100 sets of advanced equipment at home and abroad, which effectively ensure the testing capabilities of ball valves, water nozzles, temperature control valves, floor heating and other products.

Valogin achieves high-quality manufacturing with the core of technology iteration, the goal of product innovation and the means of management promotion; Our mission is to exceed customer’s expectations and achieve employee’s happiness. With strong work execution and high work quality, we can create high-quality products and services, realize the company's vision and mission, and strive to become a respected century-old enterprise.

VALVE EXPERT
SINCE 1985

Valogin writes a story about its corporate growth with wisdom and diligence.

1985



Company was established

2001



Output value exceeded 150 million yuan Brand sells well overseas

2005

Accredited with CNAS

2008



CNAS put into operation R & D and quality control enter a new stage

2009

Identified as famous trademark of china and awarded by yuhuan government as top 100 enterprises for 6 years

2010



Output value reached 280 million Brand, Quality, Service comprehensively upgrade

2013



Introduce automatic equipment upgrade of automated production line

2015

Valve export Value ranks the top one in China

2018



Integration of the four factory moved to new plant

2020

New era of V&G brand

MARKET DISTRIBUTION



100+

Our sales network has covered more than 100 countries over the world

500+

Provides service in fortune 500 companies

Valogin is committed to product development and innovation, introducing the latest technology, accumulating multinational high-tech talents, and creating customized professional teams from various aspects such as sales, R & D and manufacturing departments for different countries and regions. We've won the trust of customers all around the world with our excellent products and services. Currently, our sales network has covered more than 100 countries over the world and provides service in Fortune 500 companies.



4 R&D SYSTEMS

PLM Integration

Valogin is the first enterprise in the industry using PLM information integration system to standardize project management and efficient development. The system is stable and easy to operate.

3D Database

Unified use of genuine SOLIDWORKS for 3D design and network server for data sharing.

Standardized Platform

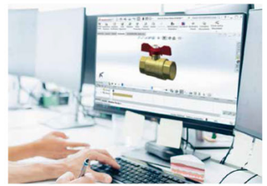
Product technology platform and universal spare parts.

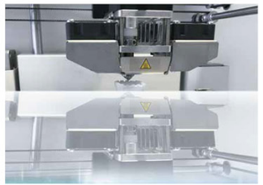
3D Additive Manufacturing

First factory to introduce 3D additive manufacturing SLA printing technology to achieve rapid first molding, effectively reduce mold opening costs, and improve development efficiency.

PLM
INFORMATION INTEGRATION SYSTEM







VERTICAL PRODUCTION SUPPLY CHAIN

With manufacturing ability from material to spare parts, Valogin has formed a vertical production supply chain, effectively improving the capacity and shortening the delivery time.









SPARE PARTS PRODUCTION

80%

80% automatic production of core components

90%

90% of spare parts production

Valogin has realized 80% automatic production of core components and 90% of spare parts through continuous automatic production equipment replacement.

In order to pursue the quality concept of processing, standardizing, refinement and branding, **Valogin will make solid progress towards the goal of becoming a smart factory!**



AUTOMATIC EQUIPMENT

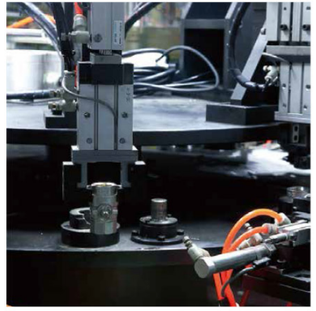
99%

The first pass rate has been increased to 99%

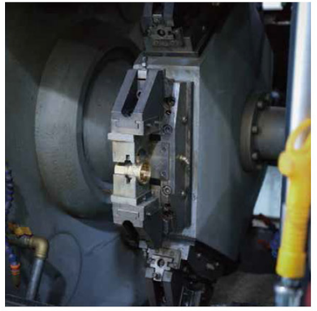
From traditional line that needs 3 transfer times and 15 workers per line to lean production line with only 1 transfer time and 5 workers, Valogin's capacity has improved a lot these years.

Not only saving labor costs, the automatic lean production line also increases the productivity of each employee from 160 pieces/8 hours to 450 pieces/8 hours, and the first pass rate has been increased to 99%! The strong delivery capability of "scheduled and qualified " provides consistent and excellent products and services to customers all over the world.

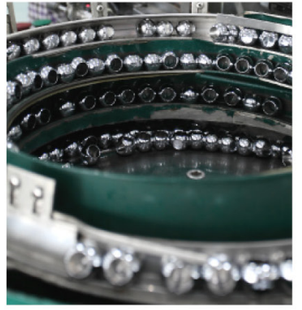














CNAS LAB

1000+

Covers an area of 1,000 square meters

80+

More than 80 equipment

100+

Including over 100 testing items

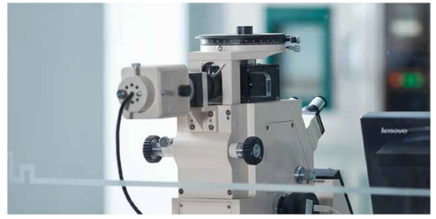
The CNAS testing center is a comprehensive functional unit including testing, measurement, simulation and display with 15 functional subareas. In 2010, it was approved by China National Accreditation Service for Conformity Assessment (CNAS) for the first time.

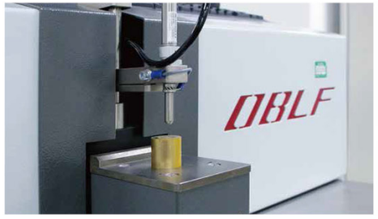
The testing center covers an area of 1,000 square meters, with more than 80 equipment, including over 100 testing items, involving materials analysis, geometric measurement, aging reliability, mechanical properties, physical/chemical analysis, fluid mechanics, metrology, calibration and other fields, achieving "One Report, Global Access".

As the company's internal laboratory, the testing center provides services for valve product quality assessment and internal quality analysis, and provides a large amount of testing data for new product s, customer complaint defective product analysis, and product process control. This medium-large-sized testing center with advanced level is also the company's external display window.





















CATALOGUE

GAS 15-22

Gas Ball Valve 15-22

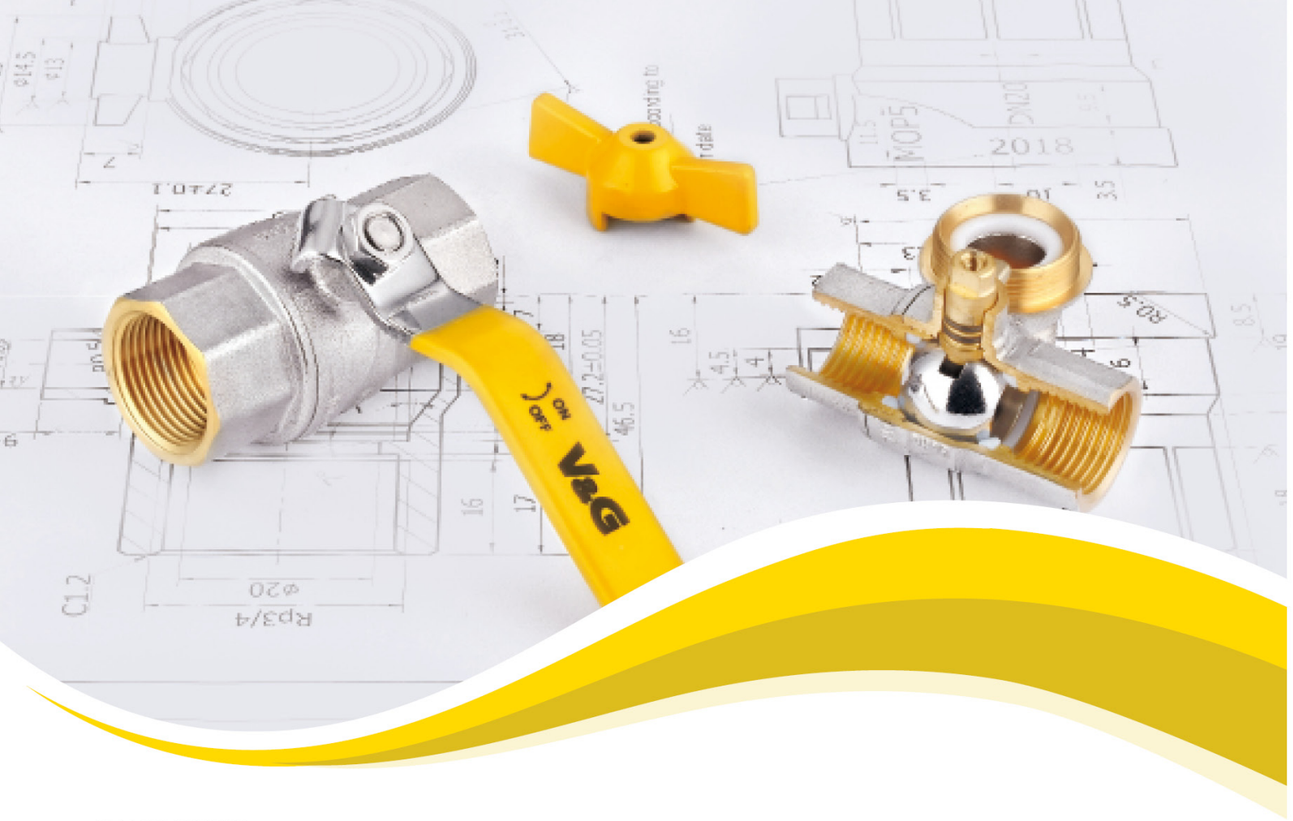
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Ball Valve 23-29
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Gate Valve 32
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HEATING 39-44

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FITTINGS 45-56



GAS

SCOPE

Brass gas valves series are producing in VALOGIN with professional designation , mature production technology and strict quality control. Suitable for installation in

- Family and industry gas system.

SERVICE CONDITION

1	Working pressure	MOP5, from 0 bar to 5 bar
2	Maximum working temperature for gas	From -20℃ up to 60℃

CERTIFICATE AND TESTS

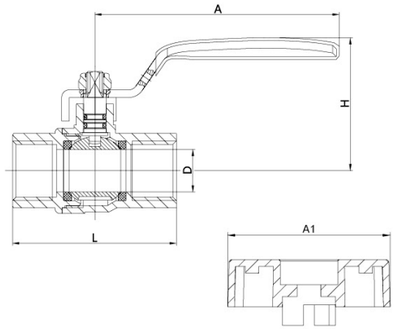
Brass gas valves series have been tested in VALOGIN CNAS lab according to EN331 standard and approved with below certificates:

DVGW CERT GMBH AGA CE

VG10.99231
Female-Female Gas Ball Valve -Lever Handle
Heavy Type, Two O Rings on Stem

VG10.99241
Female-Female Gas Ball Valve-Butterfly Handle
Heavy Type, Two O Rings on Stem



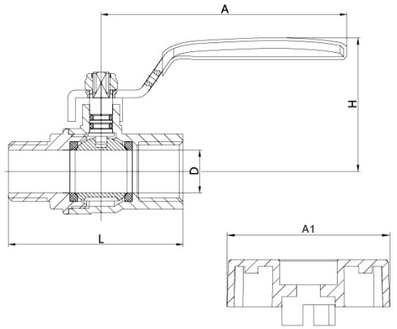


Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A	84	84	84	84	112	135	135	157	236	236	236
A1	55	55	55	55	65	N/A	N/A	N/A	N/A	N/A	N/A
D	10	12	15	20	25	32	40	50	64	75	97
H	44	45	47	51	70	77	83	97	131	138	155
L	46	56	58	67	81	94	103	126	152	170	206

VG10.99251
Female-Male Gas Ball Valve -Lever Handle
Heavy Type, Two O Rings on Stem

VG10.99261
Female-Male Gas Ball Valve-Butterfly Handle
Heavy Type, Two O Rings on Stem





Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A			84	84	112						
A1			55	55	65						
D			15	20	25						
H			47	51	70						
L			62	71	84						

VG10.90471
Gas Valve-Aluminum Handle



Size	1/2"				

VG10.90491
Gas Valve-Aluminum Handle



Size	1/2"				

VG14.52011
Gas Valve-Aluminum Handle



Size	1/2"				

VG10.90581
Gas Valve-Aluminum Handle



Size	1/2"				

VG10.90511
Gas Valve-Aluminum Handle



Size	1/2"				

VG10.90521
Gas Valve-Aluminum Handle



Size	1/2"				

VG10.72011
Gas Valve-Aluminum Handle



Size	1/2"				

VG10.91491
Brass Gas Valve Aluminum Handle



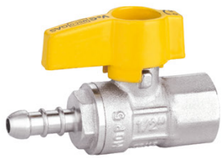
Size	1/2"				

VG10.90501
Gas Valve-Aluminum Handle



Size	1/2"				

VG10.631
Gas Valve-Aluminum Handle



Size	1/4"	1/2"			

VG10.39501
Brass Gas Valve Aluminum Handle



Size	1/2"	3/4"	1"		

VG10.22221
Gas Valve-Aluminum Handle



Size	1/2"	3/4"			

VG10.21221
Gas Valve-Aluminum Handle



Size	1/2"	3/4"			

VG10.39401
Gas Valve-Aluminum Handle



Size	3/8"	1/2"	3/4"	1"	



PLUMBING

SCOPE

Brass water valves series are producing in VALOGIN very popular with a ball closing. Suitable for installation in

- Distribution network for drinking water
- Piping water system
- Heating systems

SERVICE CONDITION

1	Flow	Full bore, Standard bore and Reduce bore
2	Nominal pressure	PN40, PN25 and PN16
3	Temperature range	From -30℃ (Excluding icing) up to 150℃

CERTIFICATE AND TESTS

Brass water valves series have been tested in VALOGIN CNAS lab and approved with below certificates:

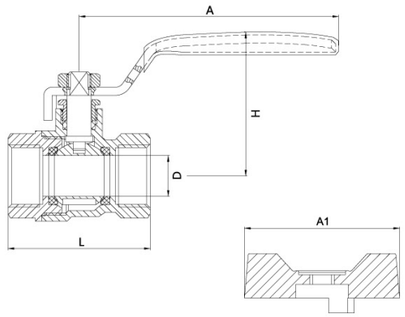
CE DVGW WRAS ACS W

UPC FM APPROVED UL NSF / ANSI 61

VG10.89901
PN25 Female-Female Ball Valve-Lever Handle

VG10.89931
PN25 Female-Female Ball Valve-Butterfly Handle



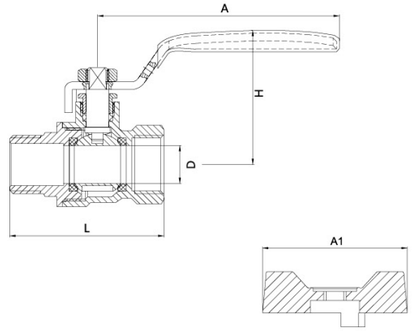


Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A			86	86	112	135	135	156.5			
A1			51.5	51.5	67	N/A	N/A	N/A			
D			13.5	19	24	31	39.5	49			
H			47.7	51.7	64.2	72.9	78.9	95			
L			47.2	56.4	64	77.4	86.2	102			

VG10.89911
PN25 Female-Male Ball Valve-Lever Handle

VG10.89941
PN25 Female-Male Ball Valve-Butterfly Handle



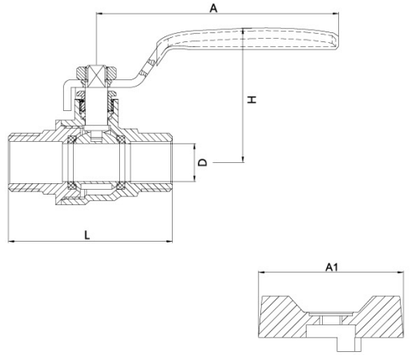


Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A			86	86	112	135	135	156.5			
A1			51.5	51.5	67	N/A	N/A	N/A			
D			13.5	19	24	31	39.5	49			
H			47.7	51.7	64.2	72.9	78.9	95			
L			54.9	63.4	73.5	87.7	97.1	115			

VG10.89921
PN25 Male-Male Ball Valve-Lever Handle

VG10.89951
PN25 Male-Male Ball Valve-Butterfly Handle





Size	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A			86	86	112						
A1			51.5	51.5	67						
D			13.5	19	24						
H			47.7	51.7	64.2						
L			58.3	67.3	78						

VG10.89961
Brass Ball Valve
Working Pressure:PN25



Size	1/2"	3/4"	1"	1 1/4"			

VG10.89971
Brass Ball Valve
Working Pressure:PN25



Size	1/2"	3/4"					

VG14.21051
Brass Ball Valve
Working Pressure:PN25



Size	1/2"	3/4"	1"				

VG14.21061
Brass Ball Valve
Working Pressure:PN25



Size	1/2"	3/4"					

VG10.13332
Brass Ball Valve
Working Pressure:PN25



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG10.77013
Brass PPR Ball Valve Iron Handle
Working Pressure:PN25



Size	DN20x20	DN25x25	DN32x32	DN40x40	DN50x50	DN63x63

VG10.77023
Brass PPR Ball Valve Iron Handle
Working Pressure:PN25



Size	DN20x1/2"	DN25x3/4"	DN32x1"	DN40x1 1/4"	DN50x1 1/2"

VG10.77033
Brass PPR Ball Valve Iron Handle
Working Pressure:PN25



Size	DN25	DN32	DN40	DN50

VG13.99011
Brass Bibcock
Working Pressure:PN16



Size	1/2"*3/4"	3/4"*1"	1"*1 1/4"

VG13.99031
Brass Bibcock
Working Pressure:PN16



Size	1/2"*3/4"	3/4"*1"	1"*1 1/4"

VG13.99081
Brass Bibcock
Working Pressure:PN16



Size	1/2"*3/4"	3/4"*1"

VG13.99071
Brass Bibcock
Working Pressure:PN16



Size	1/2"*3/4"	3/4"*1"

VG13.90051
Brass Bibcock With Lockable Handle
Working Pressure:PN16



Size	1/2"x3/4"	3/4"x1"	1"x1-1/4"		

VG13.12552
Brass Bibcock With Fast Connection
Working Pressure:PN16



Size	1/2"x3/4"	3/4"x1"			

VG11.01013
Brass Gate Valve Casting Iron Handle



Size	1/4"	3/4"	1"	1 1/4"	1 1/2"	2 1/2"	3"	4"

VG11.10112
Brass Gate Valve Casting Iron Handle



Size	1/4"	3/4"	1"	1 1/4"	1 1/2"	2 1/2"	3"	4"

VG11.10502
Brass Gate Valve Casting Iron Handle



Size	1/4"	3/4"	1"	1 1/4"	1 1/2"	2 1/2"	3"	4"

VG11.20802
Brass Gate Valve Iron Handle



Size	1/4"	3/4"	1"	1 1/4"	1 1/2"	2 1/2"	3"	4"

VG17.30462
Brass Strainer Nickeled



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG12.04053
Brass Spring Check Valve



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG12.04063
Brass Spring Check Valve



Size	1"	1 1/4"				

VG12.12041
SS Filter



Size	1/2"	3/4"	1"			

VG12.04033
Brass Swing Check Valve



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2 1/2"	3"	4"

VG12.30102
Brass Swing Check Valve



Size	1/2"	3/4"	1"			

VG20.10212
Brass Float Ball Valve



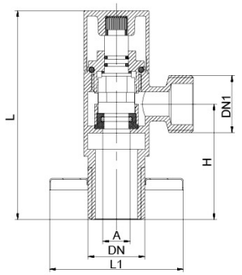
Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2 1/2"	3"	4"

ANGLE VALVES

Technical requirement

- Before assembling, all parts should be clean, without oil or grease.all burrs and sharp edges should be removed.
- Before connecting, body cap male thread should be coatead with sealing glue.
- Handle turns on and off freely.





DN1	DN	A	H	L1	L
3/8"	1/2"	10	42	48.5	76
1/2"	1/2"	10	42	52	76

VG14.90011
Brass Angle Valve



Size(A)	1/2"x1/2"	Size(B)	3/8"x1/2"		

VG14.12941
Brass Angle Valve



Size(A)	1/2"x1/2"	Size(B)	3/8"x1/2"		

VG14.11011
Brass Angle Valve



Size(A)	1/2"x1/2"	Size(B)	3/8"x1/2"		

VG14.11021
Brass Angle Valve



Size(A)	1/2"x1/2"	Size(B)	3/8"x1/2"		

VG14.90111
Brass Angle Valve



Size	3/8"x1/2"	1/2"x1/2"			

VG14.91011
Brass Angle Valve



Size	3/8"x1/2"	1/2"x1/2"			

VG14.90471
Brass Angle Valve



Size	1/2"				

VG14.90511
Brass Angle Valve



Size	1/2"				

VG14.90561
Brass Angle Valve



Size(A)	1/2"				

VG14.91051
Brass Angle Valve



Size	1/2"*3/4"*3/8"	

VG14.12711
Brass Angle Valve

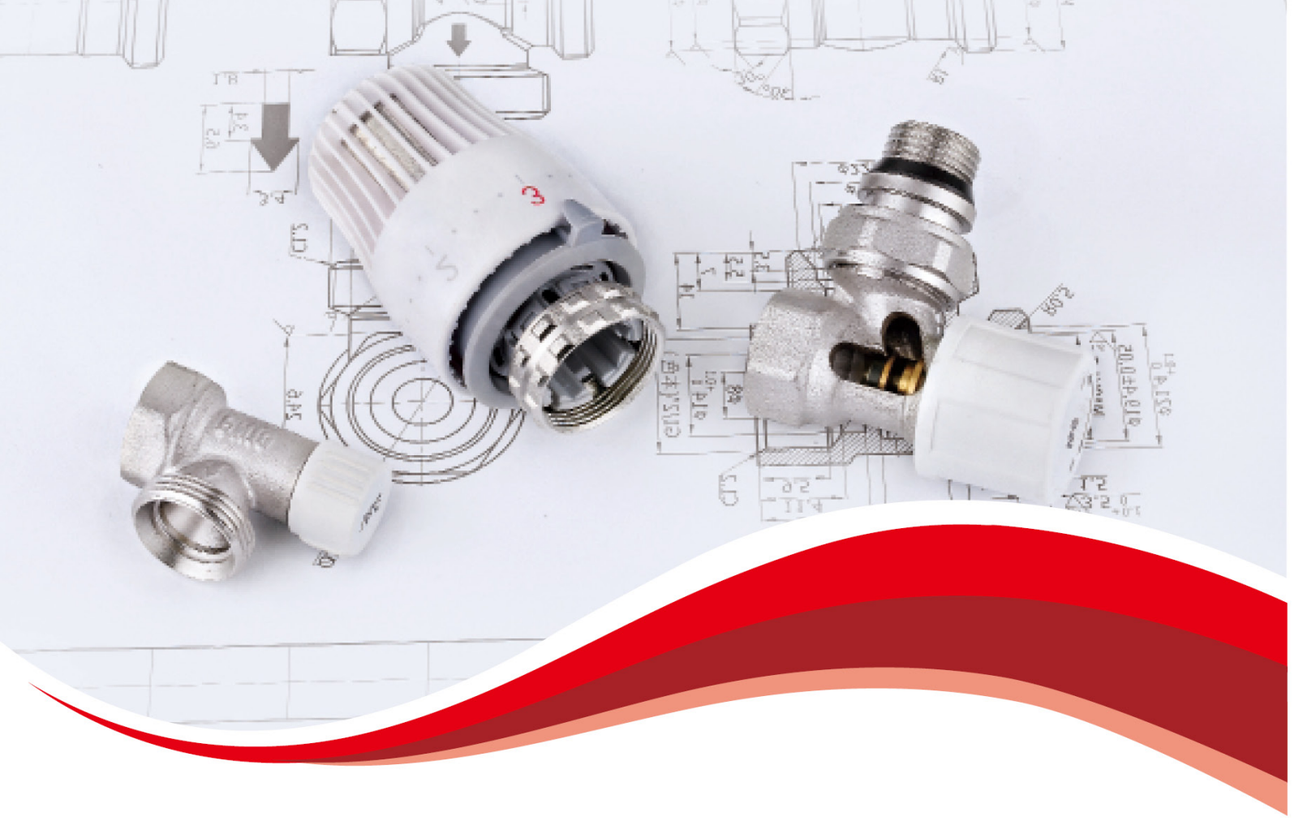


Size	1/2"*3/4"*3/8"				

VG14.13371
Brass Angle Valve



Size	1/2"*3/4"*3/8"	



HEATING

SCOPE

Manually operated valves & thermostatic valves for radiators in VALOGIN are designed to individual or collective facilities for heating water which heating fluid is circulated through a two-pipe system.

Thermostatic radiator valves are supplied with a remote control that allow a manual control, allowing to adapt subsequently VALOGIN thermostatic head just remove the control and without changing or removing the radiator valve.

SERVICE CONDITION

1	Max. Working Pressure	PN10
2	Max. Working Temperauture	110℃
3	Thermostatic Head Application	Liquid sensors and wax
4	Regulation Temperauture	From -6℃ up to 28℃ Front Position

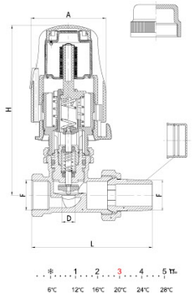
CERTIFICATE AND TESTS

Brass heating valves series have been tested in VALOGIN CNAS lab and approved with below certificates:

VG19.51031

Brass TRV





Specification

① The thermostatic valves are used forheating system by connection with radiatorsallows temperature regulation individually room by roommaintain constant desired temperatures andhelp to reduce energy consumption

② The thermostatic valve consists of two partsthe thermostatic head with liquidsensor and the valve body designed and tested according to DIN EN215 standards

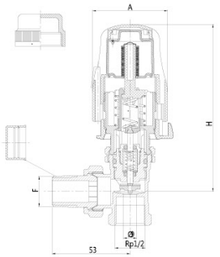
Technical specification

① Temperature Range: 6℃ to 28℃
② Maximum working pressure: 10bar
③ Maximum different pressure: 1bar
④ Normal flow rate(qmN): 1/2" — 221
3/4" — 258
⑤ Hysteresis: 0.8K
⑥ Maximum flow tempereture: 120℃
⑦ Maximum operating tempereture: 110℃

VG19.51041

Brass TRV





Specification

① The thermostatic valves are used forheating system by connection with radiatorsallows temperature regulation individually room by roommaintain constant desired temperatures andhelp to reduce energy consumption

② The thermostatic valve consists of two partsthe thermostatic head with liquidsensor and the valve body designed and tested according to DIN EN215 standards

Technical specification

① Temperature Range: 6℃ to 28℃
② Maximum working pressure: 10bar
③ Maximum different pressure: 1bar
④ Normal flow rate(qmN): 1/2" — 244
3/4" — 265
⑤ Hysteresis: 0.8K
⑥ Maximum flow tempereture: 120℃
⑦ Maximum operating tempereture: 110℃

HEATING

VG19.15111
Brass Radiator Valve Straight



Size	1/2"	3/4"			

VG19.15101
Brass Radiator Valve Straight



Size	1/2"	3/4"			

VG19.15131
Brass Radiator Valve Straight



Size	1/2"	3/4"			

VG19.15121
Brass Radiator Valve Straight



Size	1/2"	3/4"			

VG21.23131
Brass Manifold



Size	2 wayx3/4"x1/2"	3 wayx3/4"x1/2"	4 wayx3/4"x1/2"
	2 wayx1"x1/2"	3 wayx1"x1/2"	4 wayx1"x1/2"

VG21.23141
Brass Manifold



Size	2 wayx3/4"x1/2"	3 wayx3/4"x1/2"	4 wayx3/4"x1/2"
	2 wayx1"x1/2"	3 wayx1"x1/2"	4 wayx1"x1/2"

VG21.23151
Brass Manifold

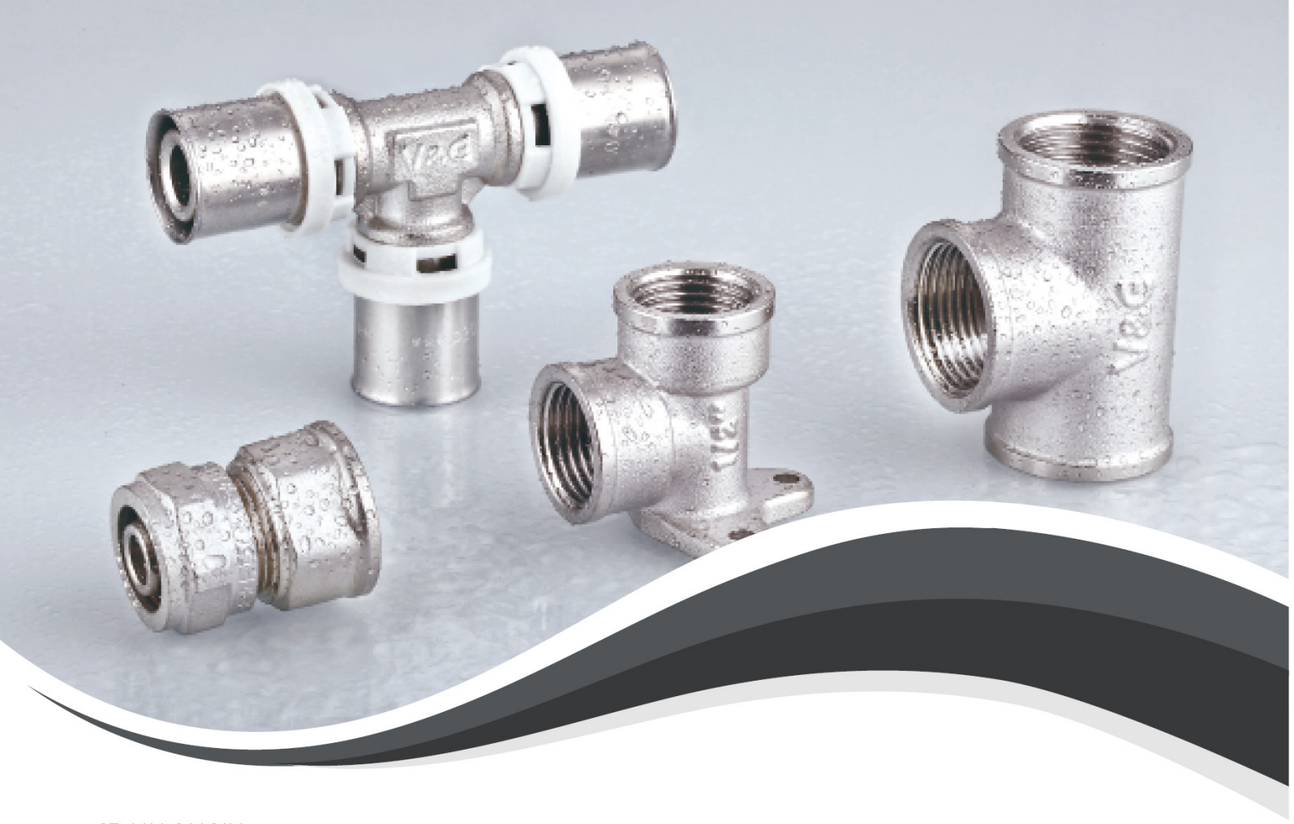


Size	2 wayx3/4"x1/2"	3 wayx3/4"x1/2"	4 wayx3/4"x1/2"
	2 wayx1"x1/2"	3 wayx1"x1/2"	4 wayx1"x1/2"

VG21.23161
Brass Manifold



Size	2 wayx3/4"x1/2"	3 wayx3/4"x1/2"
	2 wayx1"x1/2"	3 wayx1"x1/2"



VG15.13212N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG15.12072N
Brass Fittings



Size	1/2"	3/4"	1"			

VG15.30051N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG15.14122N
Brass Fittings



Size	3/4"x1/2"x3/4"	1"x1/2"x1"	1"x3/4"x1"
	1 1/4"x1/2"x1 1/4"	1 1/4"x3/4"x1 1/4"	1 1/4"x1"x1 1/4"

VG15.14002N
Brass Fittings



Size	1/2"	3/4"				

VG15.14132N
Brass Fittings



Size	1/2"	3/4"				

VG15.14032N
Brass Fittings



Size	1/2"					

VG15.14012N
Brass Fittings



Size	1/2"					

VG15.14022N
Brass Fittings



Size	1/2"					

VG15.12142N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG15.12162N
Brass Fittings



Size	3/8"x1/4"	1/2"x1/4"	1/2"x3/8"	3/4"x1/2"
1"x1/2"	1"x3/4"	1 1/4"x1/2"	1 1/4"x3/4"	1 1/4"x1"
1 1/2"x1/2"	1 1/2"x3/4"	1 1/2"x1"	1 1/2"x1 1/4"	2"x1/2"
2"x3/4"	2"x1"	2"x1 1/4"	2"x1 1/2"	

VG15.24462N
Brass Fittings



Size	1/2"x1/2"x1/2"	3/4"x1/2"x3/4"	

VG15.13912N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG15.13922N
Brass Fittings



Size	1/2"x3/8"	3/4"x1/2"	1"x1/2"	1"x3/4"
	1 1/4"x1/2"	1 1/4"x3/4"	1 1/4"x1"	1 1/2"x1 1/4"
	2"x1"	2"x1 1/4"	2"x1 1/2"	

VG15.29031N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG15.29041N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"		

VG15.30231N
Brass Fittings



Size	1/2"	3/4"				

VG15.11372N
Brass Fittings



Size	3/8"x1/4"	1/2"x1/4"	1/2"x3/8"	3/4"x1/2"
1"x1/2"	1"x3/4"	1 1/4"x1/2"	1 1/4"x3/4"	1 1/4"x1"
1 1/2"x1/2"	1 1/2"x3/4"	1 1/2"x1"	1 1/2"x1 1/4"	2"x1/2"
2"x3/4"	2"x1"	2"x1 1/4"	2"x1 1/2"	

VG15.16392N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG15.91132N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG15.01192N
Brass Fittings



Size	3/8"x1/4"	1/2"x1/4"	1/2"x3/8"	3/4"x1/2"
	1"x1/2"	1"x3/4"	1 1/4"x1/2"	1 1/4"x3/4"
	1 1/4"x1"	1 1/2"x1 1/4"	2"x1"	2"x1 1/4"

VG15.51222N
Brass Fittings



Size	1/2"x10mm	1/2"x15mm	1/2"x20mm	1/2"x25mm
	1/2"x30mm	1/2"x40mm	1/2"x50mm	

VG15.51452N
Brass Fittings



Size	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"

VG15.14142N
Brass Fittings



Size	1/2"	3/4"	1"			

VG15.15312N
Brass Fittings



Size	1/2"					

VG15.15322N
Brass Fittings



Size	1/2"					

VG15.15212N
Brass Fittings



Size	1/2"					

VG15.15222N
Brass Fittings



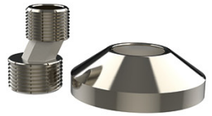
Size	1/2"					

VG15.10422N
Brass Fittings



Size	1/2"x10mm	1/2"x12mm	1/2"x14mm
	1/2"x16mm	1/2"x18mm	1/2"x20mm

VG15.11162N
Brass Fittings



Size	3/4"x1/2"		

VG15.12512
Brass Fittings



Size	1/2"x10mm	1/2"x20mm	1/2"x30mm	1/2"x40mm
	1/2"x50mm	1/2"x60mm	3/4"x10mm	3/4"x20mm
	3/4"x30mm	1"x10mm	1"x20mm	1"x30mm

VG15.22071N
Brass Fittings



Size	1"x80mm	1"x110mm		

VG15.13212C
Brass Fittings



Size	1/2"	3/4"					

VG15.30051C
Brass Fittings



Size	1/2"	3/4"					

VG15.14122
Brass Fittings



Size	1/2"	3/4"					

VG15.13912
Brass Fittings



Size	1/2"	3/4"	1"				

VG15.13922
Brass Fittings



Size	3/4"x1/2"	1"x1/2"	1"x3/4"

VG15.29041C
Brass Fittings



Size	1/2"	3/4"				

VG15.29031
Brass Fittings



Size	1/2"	3/4"	1"			

VG15.11762C
Brass Fittings



Size	1/2"x10mm	1/2"x15mm	1/2"x20mm	1/2"x25mm	1/2"x30mm	1/2"x40mm	1/2"x50mm	1/2"x60mm	1/2"x70mm	1/2"x80mm	1/2"x90mm	1/2"x100mm
	3/4"x10mm	3/4"x15mm	3/4"x20mm	3/4"x25mm	3/4"x30mm	3/4"x40mm	3/4"x50mm	3/4"x60mm	3/4"x70mm	3/4"x80mm	3/4"x90mm	3/4"x100mm
	1"x10mm	1"x15mm	1"x20mm	1"x25mm	1"x30mm	1"x40mm	1"x50mm	1"x60mm	1"x70mm	1"x80mm	1"x90mm	1"x100mm