

BRONZE STATIC BALANCING VALVE MODEL WAZEN-90



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PN25
PRESSURE RATING



Manufacturing Standard

- Material Standard: ASTM B584 (Copper Alloy Sand Castings, C83600) / EN 1982 (CC491K)
- Valve Design: BS 5154
- Pressure Testing: BS EN 12266-1 & BS EN 12266-2 (Industrial Valves – Testing of Valves)
- Shell Strength: BS EN 12516
- Quality Management: ISO 9001 Certified Manufacturing

Technical standard

- Normal prussure: PN25 2.5MPa
- Working medium: Water, Ethylene glycol mixture
- Working temperature : $-20^{\circ}\text{C} \leq T \leq 120^{\circ}\text{C}$
- Connection end: 3/4"~2" female thread
- Testing port connection end: 1/4" female thread

Product Description

BARIQ Wazen 90 Static Balancing Valve is a precision-engineered device designed to ensure accurate hydraulic balancing in HVAC and water distribution systems.

Manufactured from premium bronze C83600 / CC491K, it provides exceptional corrosion resistance and long service life, even in aggressive water conditions.

Equipped with a calibrated handwheel, the valve allows for precise flow regulation and easy presetting, ensuring optimal system efficiency, reduced energy consumption, and extended equipment lifespan.

Its robust construction, combined with high-quality sealing elements (EPDM & PTFE), guarantees zero leakage and consistent performance under varying temperature and pressure conditions.

Key Features & Technical Advantages

- Accurate Hydraulic Balancing: Improves system efficiency and prevents over/underflow in branches.
- Durable Bronze Body: Excellent resistance to dezincification and corrosion in harsh water conditions.
- High-Performance Sealing: EPDM & PTFE seals for zero leakage under rated pressure.
- Presetting Scale: Allows easy, repeatable adjustment for commissioning and maintenance.
- Wide Compatibility: Suitable for HVAC, chilled water, hot water, and potable water networks.
- Threaded Connection Flexibility: BSPP standard with optional BSPT, Rp, or NPT threads.
- Maintenance-Friendly Design: Removable handwheel and bonnet for quick service without removing the valve from the pipeline.



RELIABLE
PERFORMANCE



DURABLE
DESIGN



CORROSION
RESISTANT



EASY
MAINTENANCE



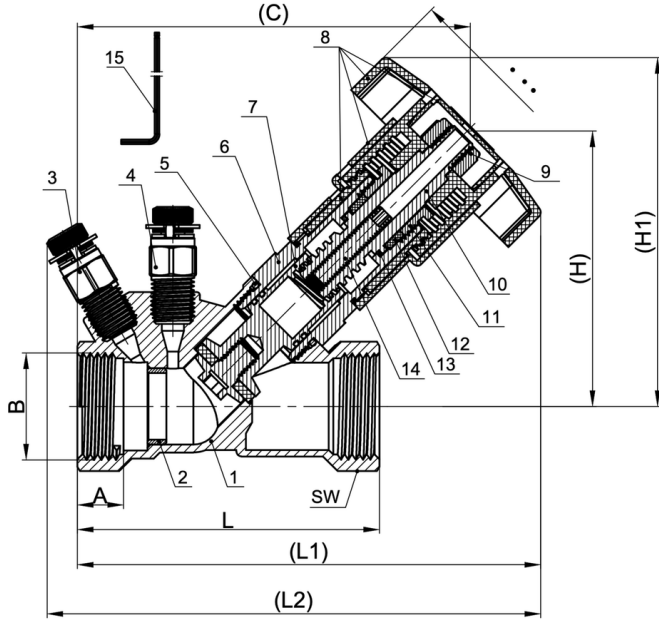
HIGH
PERFORMANCE



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Technical Specification



Material Specification

NO.	Name	Qty	Material
1	Body	1	C83600/CC491K
2	Flow Controller	1	DZR CZ132
3	PT Valve (Red)	1	DZR CZ132
4	PT Valve (Blue)	1	DZR CZ132
5	O-Ring	1	EPDM (HA70)
6	Bonnet	1	DZR CZ132
7	Disc assembly	1	DZR CZ132+EPDM
8	Handwheel Assembly	1	PA6+30%GF(high-strength)
9	Nut	1	S. S304
10	Stem	1	DZR CZ132
11	Packing Nut	1	C38000
12	Packing	1	PTFE
13	Washer	1	PTFE
14	Set Screw	1	SS304
15	Hex Wrench	1	35#

WAZEN-90 Parameters

Size (DN)	L (mm)	H (mm)	C (mm)	H1 (mm)	L1 (mm)	L2 (mm)	SW (mm)
15	115	72.5	106.55	79.71	128.78	143.3	27
20	135	82	115.92	84.84	137.78	148.1	32
25	150	95	123.59	87.63	145.73	156.2	40
32	160.85	101.78	138.7	121.82	148.1	148.1	48
40	179.18	107.28	157.02	130.49	163.5	163.5	56
50	190.18	109.78	168.02	140.49	175.4	175.4	68.5



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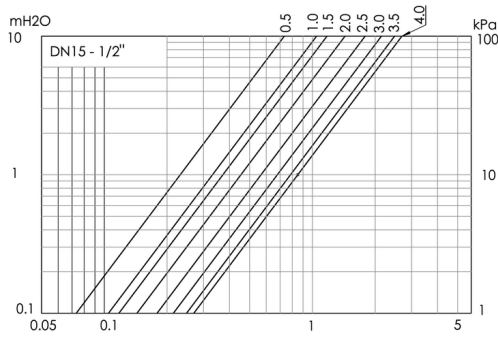
**For Flow Charts and
Detailed Technical Data**
Please visit our Software
Selection page.



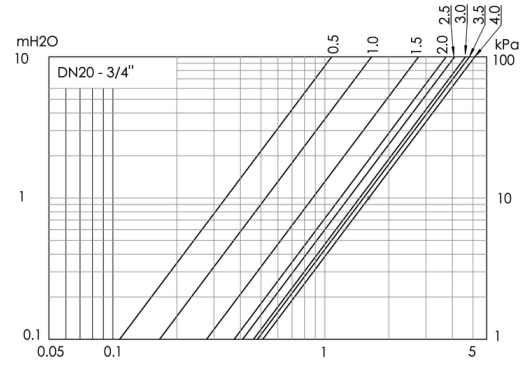
bariigroup.com/software-selection

Head loss Charts

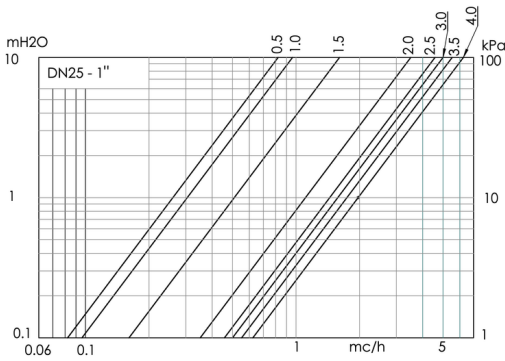
**WAZEN-90
DN15
1/2"**



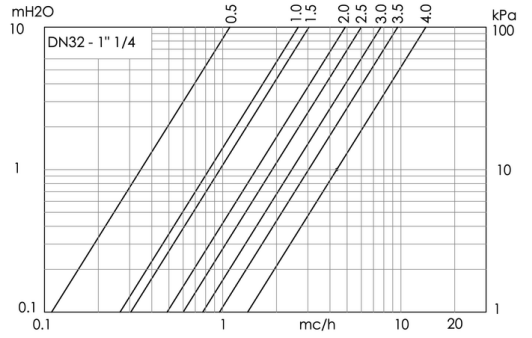
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DN20
3/4"**



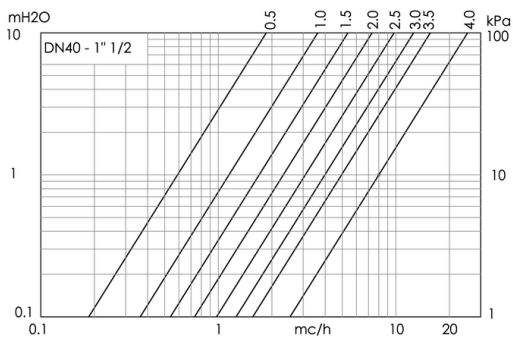
**WAZEN-90
DN25
1"**



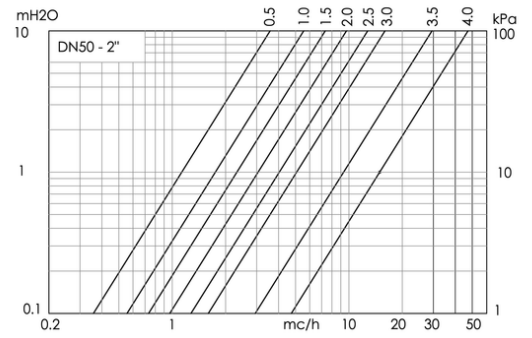
**WAZEN-90
DN32
1 1/4"**



**WAZEN-90
DN40
1 1/2"**



**WAZEN-90
DN50
2"**



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