



# ● Multi-purpose !Convertible ! Balancing valves !

## ☆ Automatic casting line Production !!

### ◆ Special features

- Bronze casting factory [KS/ISO](#)
- Nominal pressure up to [PN25 bar](#)
- [Linear flow](#) characteristic controls
- [Interchangeable](#) plug design
- Zero gap between spindle and plug
- No free spinning of plug
- [Screwed spindle](#) is separated from media
- Prove safe from [Contamination](#)
- [Preset](#) is easy than any others
- Use of [built-in Allen wrench](#)
- Various connection ports are optional
- Silk print on 4 faces scale.
- Non-electric Nickel/SUS plated/[option](#)
- Size from 15~65mm are available
- Convertible to meet usages
- Export to more than 30 countries

## ● Flow Balancing technologies make it easy for Comfort controls

### ● Free from all possible worries....

- ① **Stuck free**
- ② **Zinc free**
- ③ **Lead free**
- ④ **Rust free**
- ⑤ **Corrosion free**
- ⑥ **Trouble free**
- ⑦ **Grease free**
- ⑧ **Leaks free**
- ⑨ **Cracks free**
- ⑩ **Tool free**
- ⑪ **Prolusion free**
- ⑫ **Headache free**
- ⑰ -----

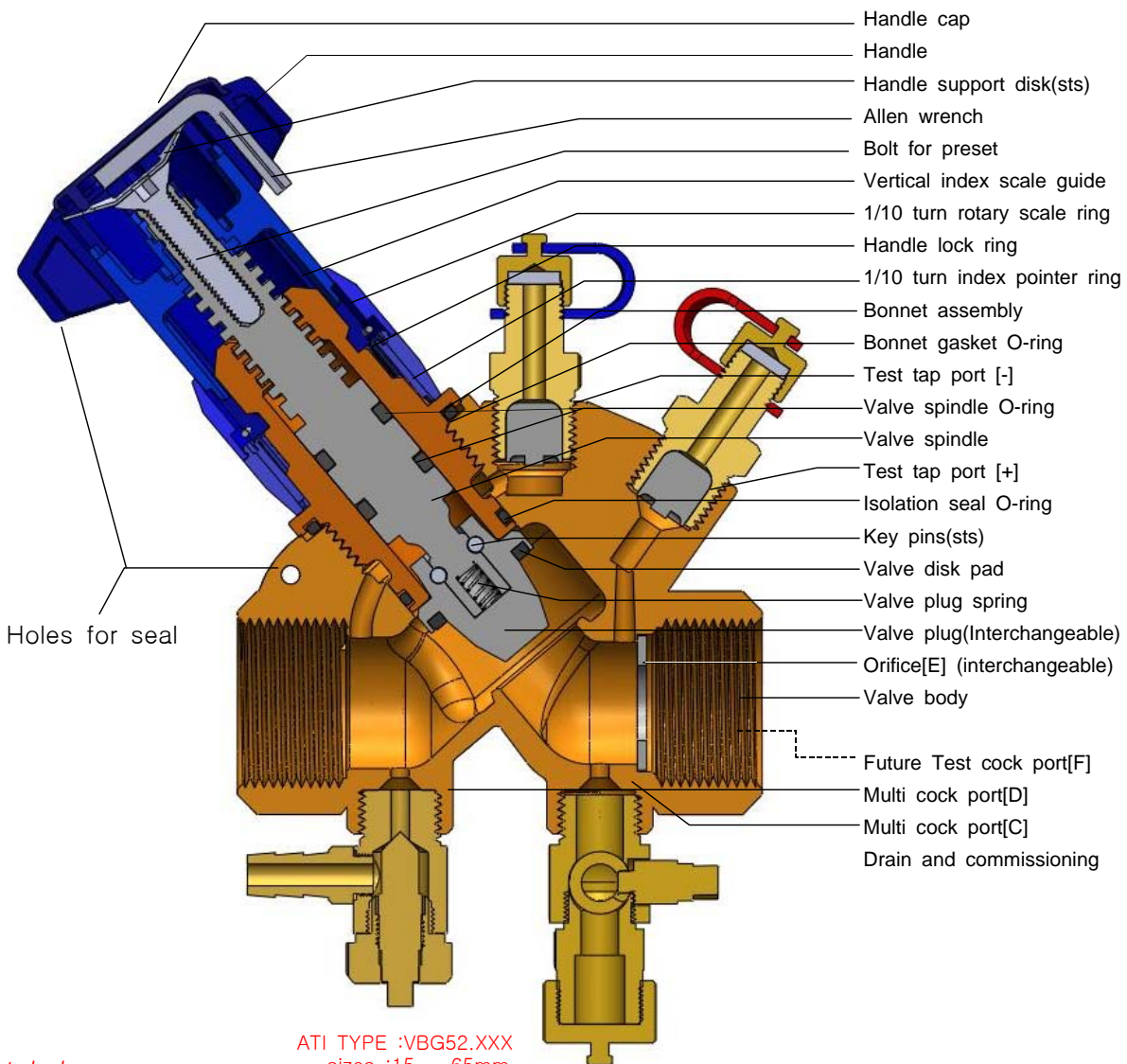
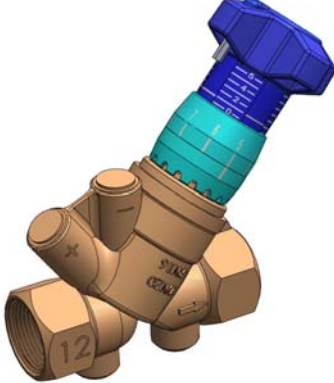


FIG VBG52.20 C-CUTFRONT-1.JPG

# ● Convertible, Transformable Multi-purpose Balancing Valves !!

- Funtion
  - Flow control
  - Globe valve
  - Stop valve
  - Circuit balancing

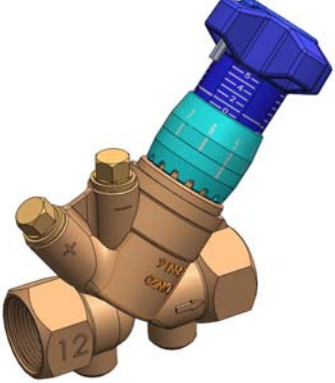
**VBG52.000-00**  
TAP CODE: 00000



- Applications
  - City water
  - Domestic water
  - Heating circuits
  - HEVAC
  - Pumps lines
  - FCU pipe lines
  - Mineral oils
  - Cutting oils
  - Brine/Hydrazine

- Funtion
  - Flow control
  - Globe valve
  - Stop valve
  - 1 level balancing
  - .....

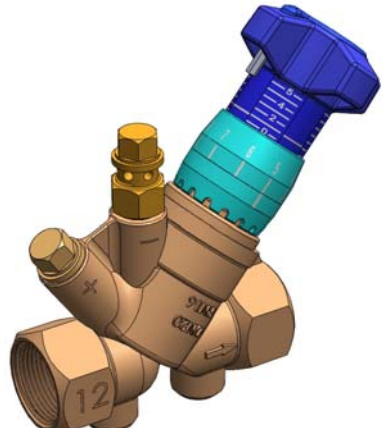
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CODE: PP000



- Applications
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- Funtion
  - Flow control
  - Globe valve
  - Stop valve
  - .....

**VBG52.000-00**  
CODE: PV000



- Applications
  - City water
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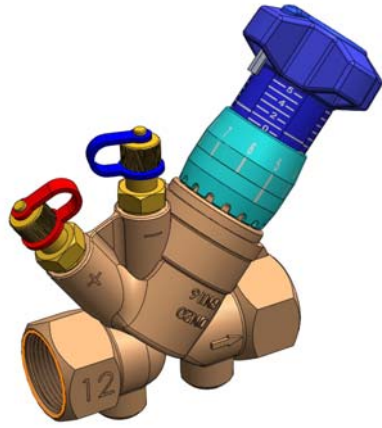
**TEST UNITS**  
CODE: Uni 726



- Applies
  - 40 countries
  - 1300 brands
  - DB included
  - Upon order

- Funtion
  - Flow control
  - Globe valve
  - Stop valve
  - .....

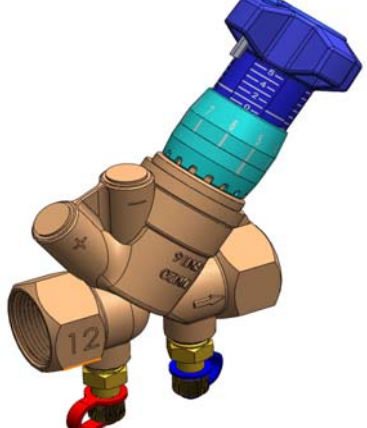
**VBG52.000-00**  
CODE: AB000



- Applications
  - City water
  - DHW circuits
  - Heating circuits
  - Floor heating
  - HEVAC
  - Pumps lines
  - FCU pipe lines
  - Mineral oils
  - Cutting oils
  - Brine/Hydrazine

- Funtion
  - Flow control
  - Globe valve
  - Stop valve
  - .....

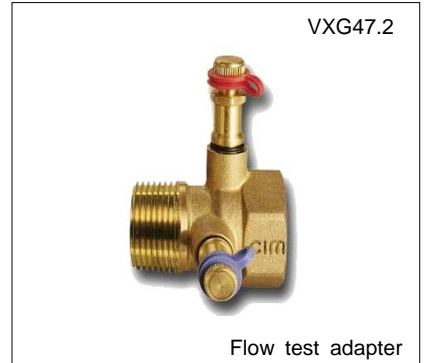
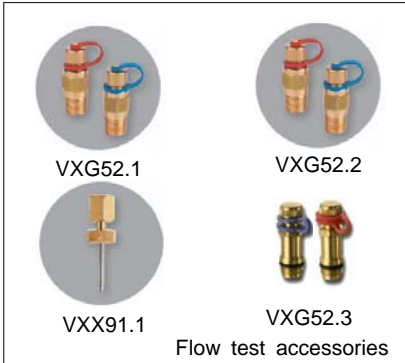
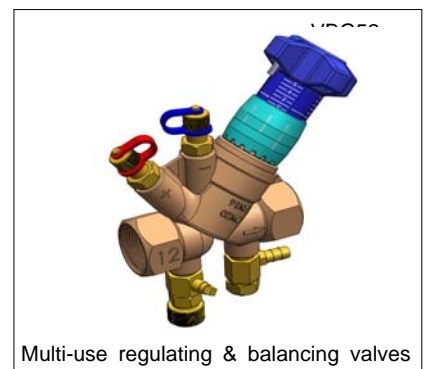
**VBG52.000-00**  
CODE: 00AB0



- Applications
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  - Brine/Hydrazine

# TOTAL AUTOMATION

## ■ Non-metal VBG.. Family products



ATI-CA1304-VBG52-06E-A4-3F-6P



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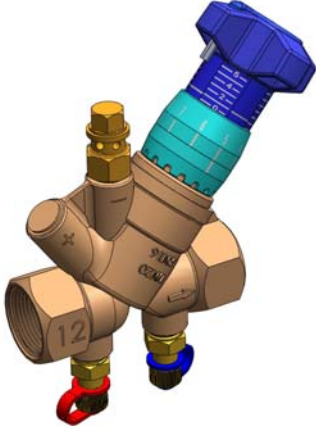
FAX : 031-982-9492 Web:www.ati1980.com

# ★ Convertible Multi-Balancing Valves !!

- Funtion
- Flow control
- Globe valve
- Stop valve
- 1 level balancing

**VBG52.000-00**

CODE :0VAB0

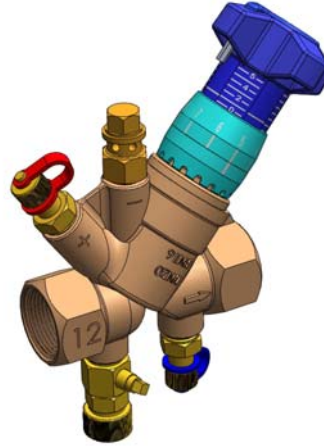


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- Funtion
- Flow control
- Globe valve
- Stop valve
- . . . . .
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**VBG52.000-00**

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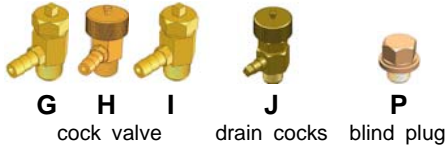


- Applications
- City water
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- Pumps lines
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A B C D E F  
Test taps Test taps detachable taps

**VBX00.90**



G H I J P  
cock valve drain cocks blind plug



Q R S T U V W X Y  
disks plugs auto.airvent Test adaptor

- Funtion
- Flow control
- Flow measuring

**VAG2.000-00**

CODE: 00EF0

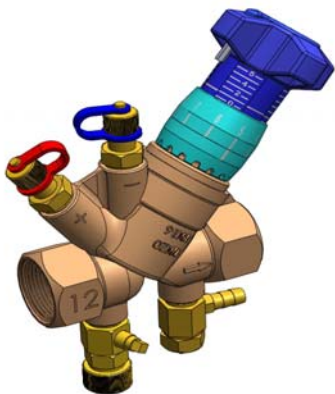


- Applications
- City water
- DHW circuits
- Heating circuits
- Floor heating
- HEVAC
- Pumps lines
- FCU pipe lines
- Mineral oils
- Cutting oils
- Brine/Hydrazine

- Funtion
- Flow control
- Globe valve
- Stop valve
- 1 level balancing
- Commissioning

**VBG52.000-00**

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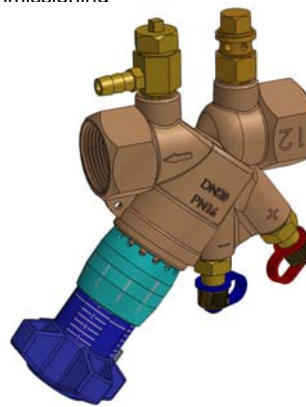


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- Funtion
- Flow control
- Globe valve
- Stop valve
- 1 level balancing
- Commissioning
- Flo
- Air

**VBG52.000-00**

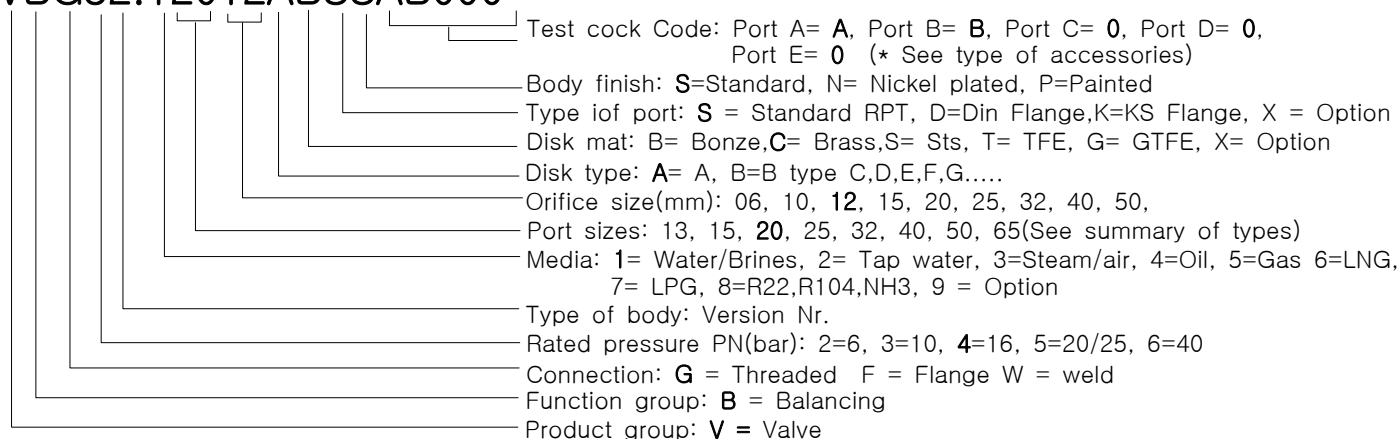
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# Type designation

VBG52.12012ABSSAB000



## ■ Design feature

Valve handle have a round and soft edges for protecting skins of hands. The operating forces are a minimum so it's easy to handle. So called " EASY BALANCING valve "

[E-Zee Balancing valve]

- Best solution in flow dynamic, Y-type structure.
- Same direction of handle and test cocks make it easy of operation after installation,
- Test cocks and drain adaptors and many other auxiliary components are ready.
- Spindle screws are dry type to protect from contamination of dirt.
- No Free spinning design
- Long life of spindle screws are separate from flow.
- Interchangeable valve disk/or plug are easy to replace for repair or other applications.
- One touch injection needle or tap cocks are also available to meet user's requirement
- Bronze casting comply with DIN/ISO
- Produced by automatic casting lines
- Parts are made by special CNC machines
- Hydro test for individual unit

Adjusting part

- All engineering plastic materials
- Index scales are silk printed in white luminous paints to see it easily in dark area.
- Vertical linear scales are easy to set
- 1/10 turn rotary index scale prove fine settings.
- Built-in Allen wrench eliminate other tools.

## ■ Main application

- HVAC circulation circuits in buildings
- City water distribution system in house and apartment
- Heating circuit of house and apartment blocks
- All kind of heat exchangers
- FCU, Radiator, Convactor, reheating coils.
- Circulating pumps line, replacing gate or globe valves gives energy savings
- Booster pumps or expansion tank controls
- Cooling solutions of machines
- Replacing gate or globe valves in liquid lines
- Non-corrosive media distribution pipe lines
- TAB is recommended after proper installation.

## ■ Technical data

Adjusting part

Handle cap	Nylon 66+fg
Handle	Nylon 66+fg
Handle disk	SUS 304
Slide guide	Nylon 66+fg
Locking screw	Carbon steel
Allen wrench	Carbon steel
Rotary index scale	HOSTAFORM(POM)
Rotary index key	HOSTAFORM(POM)
Handle lock ring	SUS 304
Vertical scale	4 faces silk prints
Rotary scale	1/10 turn silk prints
Stroke	13~ 20mm :12mm 25 :15mm 32~ 65mm :20mm

Flow part

Body	Cast Bronze
Bonnet	Cast Bronze
Disk/Plug	Brass/Bronze/SUS
	Option available
Plug type	Flat, Parabolic, Profiled Perforated, Caged

Disk pad	PU/POM/PC
Spindle/General	Brass
Tap water	Nickel plated/Brz/SUS
Option	SUS 304/ 316
Spindle snap ring	SUS 304
Spindle spring	SUS 304
Gland seal	EPDM
Bonnet gasket	EPDM
Media temp.	-20~150°C
Flow media	Water, Brines Glycol 50% solution
Press. Nominal	16~ 25bar(2500kPa)
Leakage rate	0 % (shut off)
Flow characteristics	see data sheet (PI-VBG52e)

Accessories

Nipples	Brass/(Nickel plated)
Plugs/disks	Silicon rubber(Inj)
Captive	Silicon band(inj)
Packing pad	EPDM (injection)
Sealants	EPOXY