

TOTAL

Solutions for
Hydronic Balancing !

● SYSTEM BALANCING
SOLUTIONS are HERE !



~50% Off Energy !

Model: **VBG52...**

Multi-purpose
**T
F** Balancing

~2012 Brand New !



- ☆ Green technologies !!!
- ☆ Creative design !!!
- ☆ Declare top quality !!!
- ☆ 100% full Bronze !!!

- ☆ PN25 Bar robust Design !!
- ☆ Easy to use structure !!
- ☆ Various-function & sizes !!
- ☆ Dry spindle screw !!
- ☆ Preset of flow limit !!
- ☆ Parabolic plugs !!
- ☆ Linear characteristics !!
- ☆ Leaks 0%, shut off valves !!
- ☆ Mate to electric actuators !!
- ☆ Convertible to the usages !!
- ☆ Interchangeable plugs/disks !!
- ☆ Detachable orifice !!

we are since 1978
Automation technologies Co., Ltd.
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State of art technology
by CMI Design cluster



● 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](#)
- [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 -----

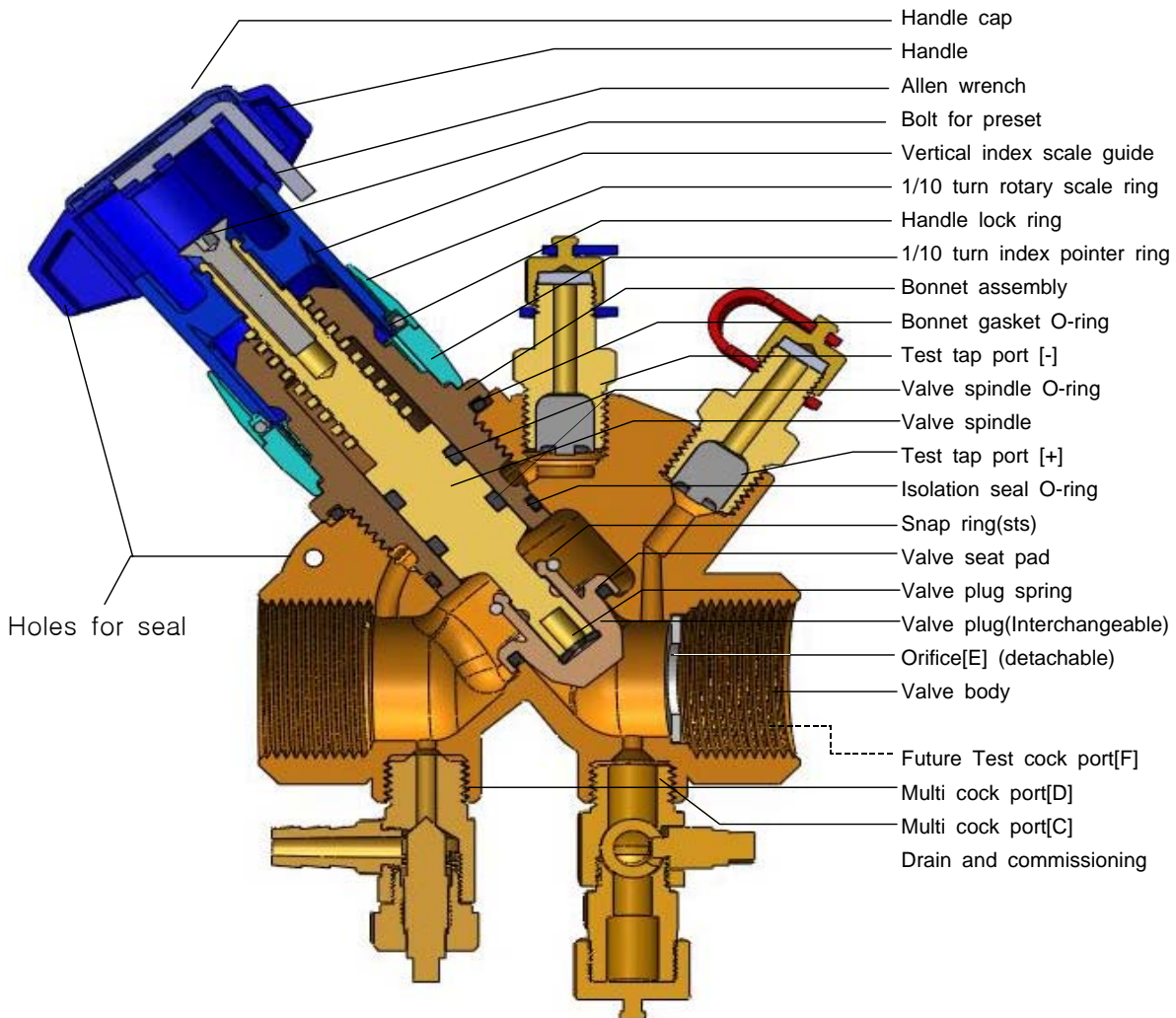


FIG. VBG52.20C-CRCV

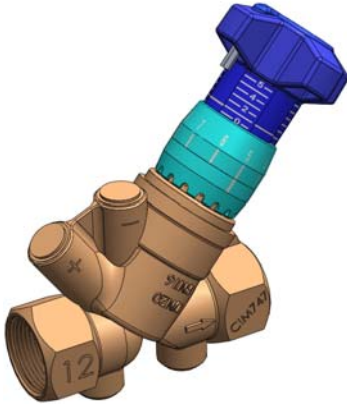
CIM모델 :CIM747.3.
sizes :15 ~ 65mm

● Convertible, Transformable Multi-purpose Balancing Valves !!

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

VBG52.000-00

TAP CODE: 00000

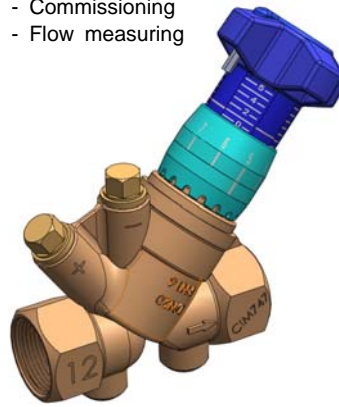


- Applications
- City water
- Domestic water
- Heating circuits
- HEVAC
- Pumps lines
- FCU pipe lines
- Mineral oils
- Cutting oils
- Brine/Hydrazine

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

VBG52.000-00

CODE: PP000

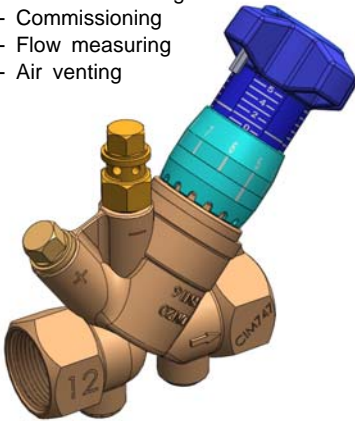


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- City water
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- Funtion
- Flow control
- Globe valve
- Stop valve
- 1 level balancing
- Commissioning
- Flow measuring
- Air venting

VBG52.000-00

CODE: PV000



- Applications
- City water
- Domestic water
- Heating circuits
- HEVAC
- Pumps lines
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- Mineral oils
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TEST UNITS

CODE: Uni 726

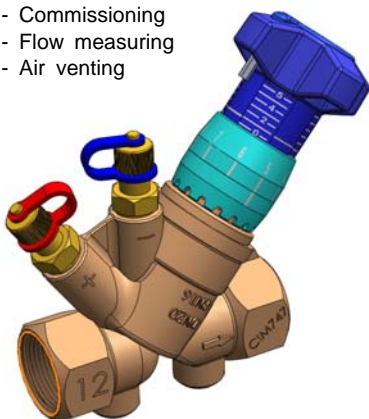


- Applies
- 40 countries
- 1300 brands
- DB included
- Upon order

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

VBG52.000-00

CODE: AB000

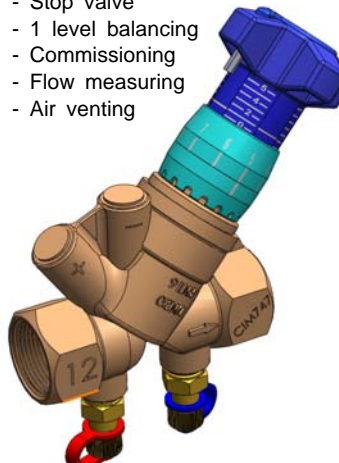


- Applications
- City water
- DHW circuits
- Heating circuits
- Floor heating
- HEVAC
- Pumps lines
- FCU pipe lines
- Mineral oils
- Cutting oils
- Brine/Hydrazine

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

VBG52.000-00

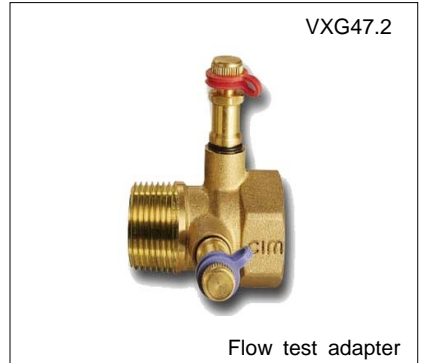
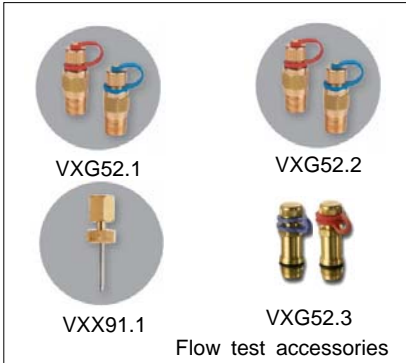
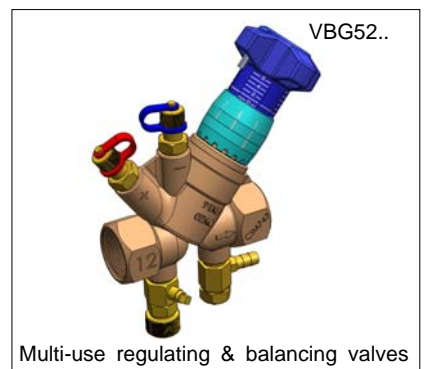
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- Applications
- City water
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- Pumps lines
- FCU pipe lines
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- Cutting oils
- Brine/Hydrazine

TOTAL AUTOMATION

■ Non-metal VBG.. Family products



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FAX: 02-784-1218 Web:www.controlMart.co.kr

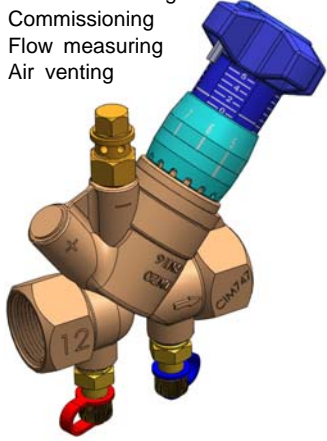
1 Factory: 247-4, Suckjeong Ri, Daegot Myun,Gimpo City

TEL : 031-982-9491~2

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

★ Convertible Multi-Balancing Valves !!

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

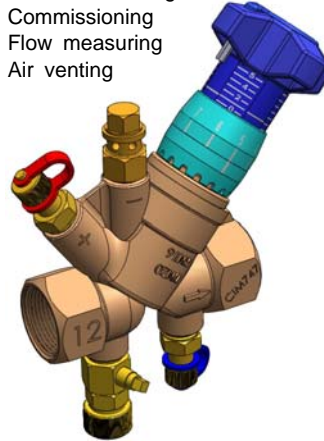


VBG52.000-00

CODE :0VAB0

- 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
- Flow measuring
- Air venting



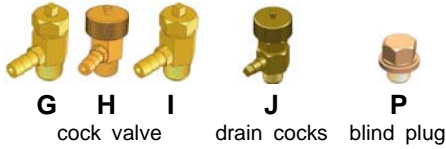
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CODE :AVIB0

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



A B C D E F
Test taps Test taps detachable taps



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

VBX00.90

- Funtion
- Flow control
- Flow measuring

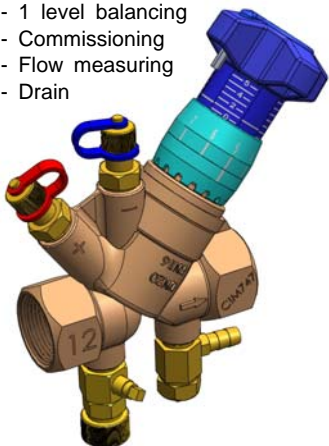


VAG2.000-00

CODE: 00GH0

- 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
- Flow measuring
- Drain

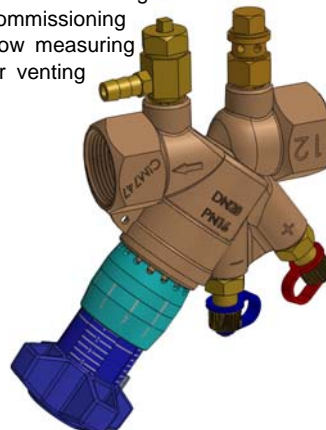


VBG52.000-00

CODE: ABGH0

- 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
- Flow measuring
- Air venting



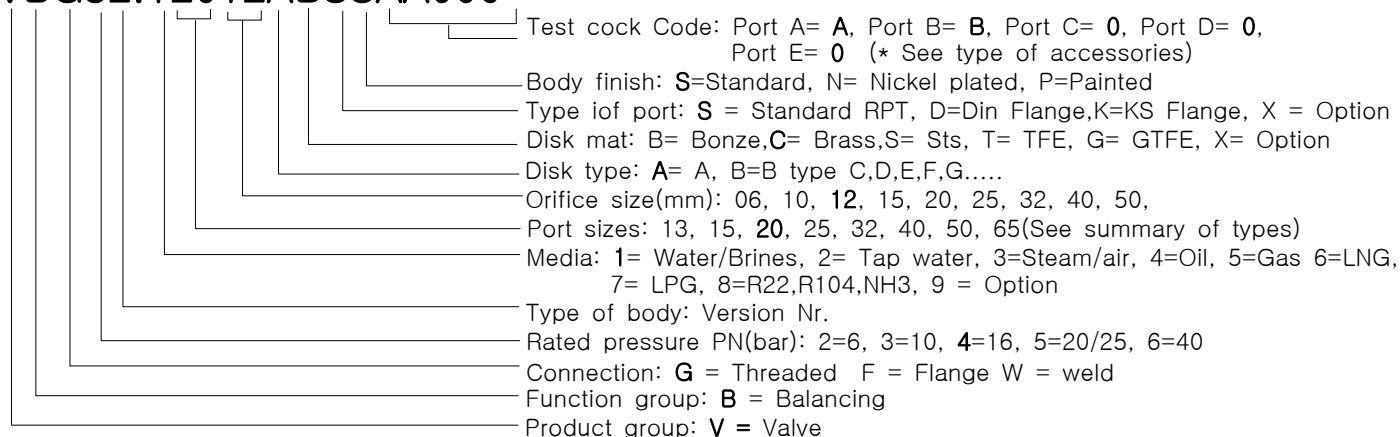
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CODE: ABIV0

- Applications
- City water
- DHW circuits
- Heating circuits
- Floor heating
- HEVAC
- Pumps lines
- FCU pipe lines
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Type designation

VBG52.12012ABSSAA000



■ 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.
- 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, Convector, 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
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
Plug type	Option available 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℃
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