

## Terminal unit valves

### VG3000

DN10...25, PN16

The VG3000 brass valve series is primarily designed to regulate the flow of water in response to the demand of a controller in zone and terminal unit applications.

Following actuators are available:

VA-708x thermal ON/OFF actuator;

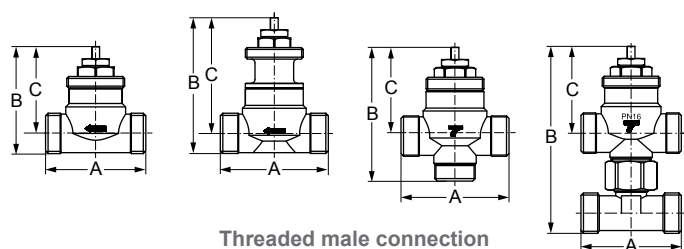
VA-709x thermal 0...10 V actuator;

VA-748x electric terminal unit valve actuator.

The valves are available in 2-way, 3-way mixing and 3-way mixing with built-in by-pass configurations.

### Features

- ▶ 2-way PDTC (NO) with 6 bar close off pressure
- ▶ Extend range of  $K_{VS}$  (0.4...6.3)
- ▶ Forged brass body, stainless steel stem and spring
- ▶ Actuator can be field installed after piping
- ▶ Commissioning cap available as accessory (VG3000-CAP)



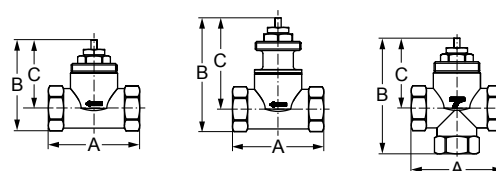
Threaded male connection

### Dimensions in mm

#### Threaded male connection BSPP

Codes	Dimensions (mm)			
	A	B	C	D
VG3210BS	52	55	45	---
VG3210CS				
VG3210DS				
VG3210ES	56	58	45	---
VG3210FS				
VG3210JS	66	70	60	---
VG3210KS				
VG3210LS				
VG3210LS	80	61.5	45.5	
VG3211BS	52	70	60	---
VG3211CS				
VG3211DS				
VG3211ES	56	73	46	40
VG3211FS				
VG3211JS	66	74	60	---
VG3211KS				
VG3211LS				

Codes	Dimensions (mm)			
	A	B	C	D
VG3310BS	52	66	45	---
VG3310CS				
VG3310DS				
VG3310ES	56	67	46	40
VG3310FS				
VG3310JS	66	73	60	---
VG3310KS				
VG3310LS				
VG3310LS	80	85		
VG3410BS	52	95.5	45	40
VG3410CS				
VG3410DS				
VG3410ES	56	96.5	46	40
VG3410FS				
VG3410JS	66	99.2	60	---
VG3410KS				
VG3410LS				
VG3410LS	80	125		72



Threaded female connection

#### Threaded female connection BSPP

Codes	Dimensions (mm)		
	A	B	C
VG3200FS	60	58	45
VG3200KS	65	60	45
VG3200LS	80	64	45.5
VG3201FS	60	73	60
VG3201KS	65	75	60
VG3201LS	80	77	58
VG3300FS	60	76	46
VG3300KS	65	80	46
VG3300LS	80	85.5	46

#### Threaded female connection NPT

Codes	Dimensions (mm)		
	A	B	C
VG3240FS	60	58	45
VG3240KS	65	60	45
VG3240LS	80	64	45.5
VG3241FS	60	73	60
VG3241KS	65	75	60
VG3241LS	80	77	58
VG3340FS	60	76	46
VG3340KS	65	80	46
VG3340LS	80	85.5	46

## Terminal unit valves

**VG3000**
**Ordering information**
**Threaded male connection  
BSPP**

Codes	Body type	Body size	K <sub>Vs</sub> (Cv) Control port	K <sub>Vs</sub> By-pass port
VG3210BS	2-way PDTC (NO)	DN10	0.4 (0.43)	---
VG3210CS			0.63 (0.70)	
VG3210DS			1.0 (1.12)	
VG3210ES			1.6 (1.9)	
VG3210FS			2.5 (2.9)	
VG3210JS		DN15	2.5 (2.9)	
VG3210KS			4.0 (4.7)	
VG3210LS		DN20	6.3 (7.4)	
VG3211BS		2-way PDTC (NO)	DN10	
VG3211CS	0.63 (0.70)			
VG3211DS	1.0 (1.12)			
VG3211ES	1.6 (1.9)			
VG3211FS	2.5 (2.9)			
VG3211JS	DN15		2.5 (2.9)	
VG3211KS			4.0 (4.7)	
VG3211LS	DN20		6.3 (7.4)	
VG3310BS	3-way mixing		DN10	0.4 (0.43)
VG3310CS		0.63 (0.70)		0.4
VG3310DS		1.0 (1.12)		0.63
VG3310ES		1.6 (1.9)		1.0
VG3310FS		2.5 (2.9)		---
VG3310JS		DN15	2.5 (2.9)	1.6
VG3310KS			4.0 (4.7)	2.5
VG3310LS		DN20	6.3 (7.4)	4.0
VG3410BS		3-way with built-in by-pass mixing	DN10	0.4 (0.43)
VG3410CS	0.63 (0.70)			0.4
VG3410DS	1.0 (1.12)			0.63
VG3410ES	1.6 (1.9)			1.0
VG3410FS	2.5 (2.9)			---
VG3410JS	DN15		2.5 (2.9)	1.6
VG3410KS			4.0 (4.7)	2.5
VG3410LS	DN20		6.3 (7.4)	4.0

## Terminal unit valves

**VG3000**
**Ordering information**
**Threaded female connection  
BSPP**

Codes	Body type	Body size	K <sub>VS</sub> (Cv) Control port	K <sub>VS</sub> By-pass port
VG3200FS	2-way PDTC (NO)	DN15	2.5 (2.9)	---
VG3200KS		DN20	4.0 (4.7)	---
VG3200LS		DN25	6.3 (7.4)	---
VG3201FS	2-way PDTC (NO)	DN15	2.5 (2.9)	---
VG3201KS		DN20	4.0 (4.7)	---
VG3201LS		DN25	6.3 (7.4)	---
VG3300FS	3-way mixing	DN15	2.5 (2.9)	1.6
VG3300KS		DN20	4.0 (4.7)	2.5
VG3300LS		DN25	6.3 (7.4)	4.0

**Threaded female Connection  
NPT**

Codes	Body type	Body size	K <sub>VS</sub> (Cv) Control port	K <sub>VS</sub> By-pass port
VG3240FS	2-way PDTC (NO)	DN15	2.5 (2.9)	---
VG3240KS		DN20	4.0 (4.7)	---
VG3240LS		DN25	6.3 (7.4)	---
VG3241FS	2-way PDTC (NO)	DN15	2.5 (2.9)	---
VG3241KS		DN20	4.0 (4.7)	---
VG3241LS		DN25	6.3 (7.4)	---
VG3340FS	3-way Mixing	DN15	2.5 (2.9)	1.6
VG3340KS		DN20	4.0 (4.7)	2.5
VG3340LS		DN25	6.3 (7.4)	4.0

**Accessory (order separately)**

Code	Description
VG3000-CAP	Plastic commissioning cap