

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

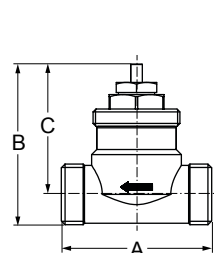
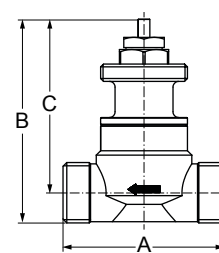
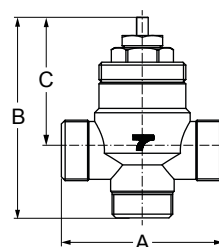
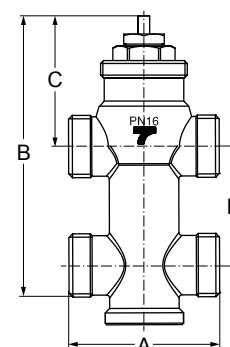
- ▶ 2-way PDTC (NO) with 6 bar close off pressure
- ▶ Extend range of K_{vs} (0.4...6.3)
- ▶ Forged brass body, stainless steel stem and spring
- ▶ Actuator can be field installed after piping
- ▶ Commissioning cap available as accessory (VG3000-CAP)

Dimensions in mm

Threaded male connection BSPP

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

Codes	Dimensions (mm)			
	A	B	C	D
VG3310BS	52	66	45	---
VG3310CS				
VG3310DS				
VG3310ES				
VG3310FS	56	67	46	---
VG3310JS		73		
VG3310KS	66	80	46	---
VG3310LS	80	85		
VG3410BS	52	95.5	45	40
VG3410CS				
VG3410DS				
VG3410ES				
VG3410FS	56	96.5	46	---
VG3410JS		98.2		
VG3410KS	66	99.2	46	---
VG3410LS	80	125		


VG3210xx

VG3211xx

VG3310xx

VG3410xx

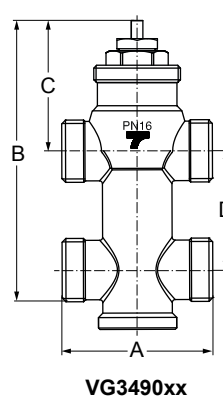
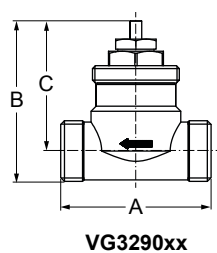
Terminal unit valves

VG3000

Dimensions in mm

Compression fitting

Codes	Dimensions (mm)			
	A	B	C	D
VG3290BS	52	55	45	---
VG3290CS				
VG3290DS				
VG3290ES	56		45	---
VG3290FS				
VG3490BS	52	95.5	40	---
VG3490CS				
VG3490DS				
VG3490ES	56	96.5	40	---
VG3490FS				

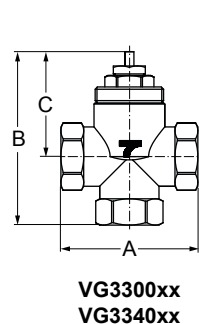
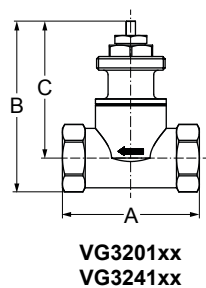
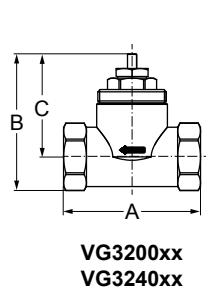


*Threaded female connection
BSPP*

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_{vs} (Cv) Control port	K_{vs} 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
Compression fitting

Codes	Body type	Body size	K_{vs} (Cv) Control port	K_{vs} By-pass port
VG3290BS	2-way PDTC (NO)	DN10	0.4 (0.43)	---
VG3290CS			0.63 (0.70)	
VG3290DS			1.0 (1.12)	
VG3290ES			1.6 (1.9)	
VG3290FS			2.5 (2.9)	
VG3490BS	3-way with built-in by-pass mixing	DN10	0.4 (0.43)	0.25 (0.29)
VG3490CS			0.63 (0.70)	0.4 (0.43)
VG3490DS			1.0 (1.12)	0.63 (0.70)
VG3490ES			1.6 (1.9)	1.0 (1.12)
VG3490FS			2.5 (2.9)	1.6 (1.9)

Threaded female connection
BSPF

Codes	Body type	Body size	K_{vs} (Cv) Control port	K_{vs} 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_{vs} (Cv) Control port	K_{vs} 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