

HVAC CONTROL PRODUCTS

Valves

Terminal Unit Valves

VG5000

DN15...25, PN16

These valves are primarily designed to regulate the flow of water and steam in response to the demand of a controller in zone and terminal unit applications.

Following actuators are available:

VA-7010 ON/OFF electric;

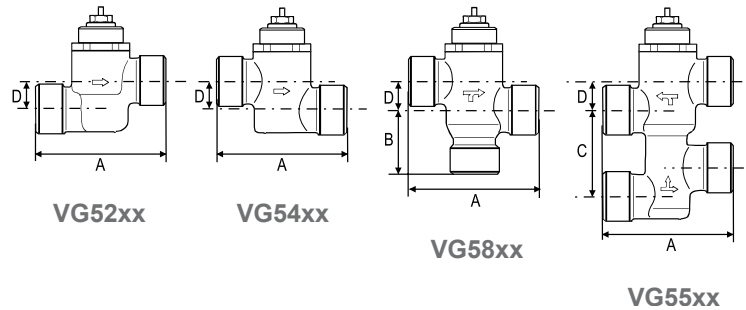
VA-707x ON/OFF thermal;

VA-709x thermal 0...10 VDC;

VA-748x floating and proportional electric.

Features

- Forged brass body
- Kvs 0.25...5.5
- 2-way PDTO (normally open), 2-way PDTC (normally closed), 3-way mixing and 3-way mixing with built-in (normally open) bypass configurations
- Fluid temperature 2...95 °C
- Built-in return spring
- BSP male, female and compression fitting body connections
- Inherent flow characteristic: quick opening



Male Thread Connection (1/2)

Ordering Codes*	Body Size	Connection Size	Kvs (Control Port)	Kvs (By-pass port)	Close-off Pressure (kPa)	Dimensions in mm				
						A	B	C	D	
2-way PDTO (Normally Open) Configuration										
VG52z0AC	DN15	1/2"	0.25	---	200	68	---	---	11	
VG52z0BC			0.4	---						
VG52z0CC			0.63	---						
VG52z0DC			1	---						
VG52z0EC			1.6	---	100	72	---	---	13.5	
VG5210JC	DN20	3/4"	2.5	---	140	74	---	---	15	
VG5210KC			3.5	---	100		---	---		
2-way PDTC (Normally Closed) Configuration										
VG54z0AC	DN15	1/2"	0.25	---	200	68	---	---	11	
VG54z0BC			0.4	---						
VG54z0CC			0.63	---						
VG54z0DC			1	---						
VG54z0EC			1.6	---	100	72	---	---	13.5	
VG5410JC	DN20	3/4"	2.5	---	100	74	---	---	15	
VG5410KC			3.5	---			---	---		

Note

* z = 1: BSP parallel

z = 9: Compression fitting (only for DN15 valves)

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Terminal Unit Valves VG5000

Male Thread Connection (2/2)

Ordering Codes*	Body Size	Kvs (Control Port)	Kvs (By-pass port)	Close-off Pressure (kPa)	Dimensions in mm					
					A	B	C	D		
3-way Mixing Configuration										
VG58z0AC	DN15	0.25	0.25	200	68	26.5	---	11		
VG58z0BC		0.4	0.4			26.5	---	11		
VG58z0CC		0.63	0.63			26.5	---	11		
VG58z0DC		1	1			26.5	---	11		
VG58z0EC		1.6	1.6			72	34.5	---	13.5	
VG5810JC	DN20	2.5	2.5	100	74	36	---	15		
VG5810KC		3.5	3.5			36	---	15		
3-way + built-in (Normally Open) bypass Configuration										
VG55z0AC	DN15	0.25	0.25	200	68	---	40	11		
VG55z0PC		0.4	0.25							
VG55z0BC		0.4	0.4							
VG55z0QC		0.63	0.4							
VG55z0CC		0.63	0.63							
VG55z0RC		1.0	0.63							
VG55z0DC		1.0	1.0							
VG55z0SC		1.6	1.0						72	13.5
VG55z0EC		1.6	1.6							
VG5510TC		DN20	2.5						1.6	100
VG5510JC	2.5		2.5							
VG5510UC	3.0		2.5							
VG5510KC	3.0		3.0							

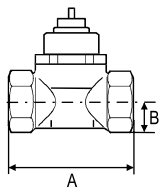
Note

* z = 1: BSP parallel

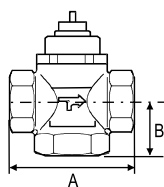
z = 9: Compression fitting (only for DN15 valves)

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VG52x
VG540x



VG580x

Female Thread Connection

Ordering Codes	Body Size	Kvs (Control Port)	Kvs (By-pass port)	Close-Off Pressure (kPa)	Dimensions in mm	
					A	B
2-way PDTO (Normally Open) Configuration						
VG5200AC	DN15	0.25	---	200	55	15
VG5200BC		0.4	---			
VG5200CC		0.63	---			
VG5200DC		1	---			
VG5200EC		1.6	---			
VG5200JC	DN20	2.5	---	140	66	19
VG5200KC		3.5	---	100		
VG5200MC	DN25	5.5	---	62	90	24
2-way PDTC (Normally Closed) Configuration						
VG5400AC	DN15	0.25	---	200	55	15
VG5400BC		0.4	---			
VG5400CC		0.63	---			
VG5400DC		1	---			
VG5400EC		1.6	---			
VG5400JC	DN20	2.5	---	100	66	19
VG5400KC		3.5	---	100		
VG5400MC	DN25	5.5	---	62	90	24
3-way Mixing						
VG5800CC	DN15	0.63	0.63	200	55	29
VG5800DC		1	1			
VG5800EC		1.6	1.6			
VG5800JC	DN20	2.5	2.5	100	66	33.5
VG5800KC		3.5	3.5			
VG5800MC	DN25	5.5	5.5	62	90	37.5