

SIEMENS

Ingenuity for life



Control ball valves – From industry to building technology

Ball with integrated V port increases dirt resistance and ensures more reliable operation

www.siemens.com/buildingtechnologies

Control ball valves are widely used in air handling units of office buildings, shopping malls and other types of buildings. Siemens ball valves offer tighter seals, higher control accuracy, lower risk in control ball stuck and longer service life, providing customers with better energy savings and overall comfort.

All Siemens' products are guaranteed by the same rigorous Siemens quality standards regardless of manufacturing location.

Provides more safety and reliability

Siemens ball valves are built based on industrial design. They have higher dirt resistance due to their integrated V shape port. Thanks to this half-ball design for DN65 and above, particles in water does not create deposits inside the control valve. Instead, it is washed out to the valve discharge port.

PTFE seat with pre-load spring supporting provide longer lifetime, lesser leakage rate and lower abrasion rate between disc and seat.

Quality assurance

All Siemens' products are guaranteed by the same rigorous Siemens quality standards regardless of manufacturing location.

Simplify installation

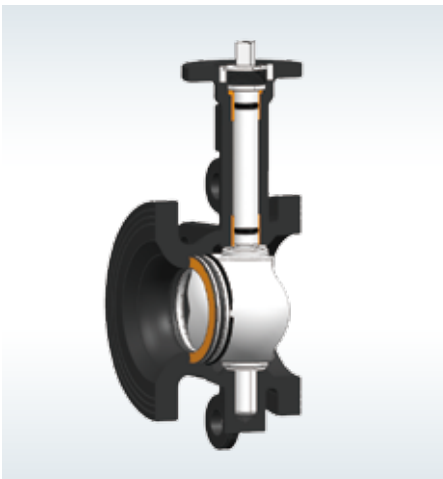
Fast, error-free installation is available, thanks to our actuators adaptors. A wide range in choice of actuators provides more flexibility against control signals and applications.

Improved energy efficiency

The V-port and half-ball design guarantee equal percentage's valve characteristic to optimize control performance. Tight close-off pressure with low leakage rate and higher flow capacity (k_{vs}) reduce energy consumption in HVAC systems.

Control ball valve thread connection															
Typical applications		Actuators		Data sheet		Spring return	2 Nm		5 Nm		7 Nm		10 Nm		
- Air handling unit - Domestic hot water		GQD..9A GMA..9E GLB..9E GDB..9E GSD161.9A		N4659 N4658 A6V10636203 A6V10636150 A6V10636056			-								
							-	GSD..9A		GDB..9E		-		GLB..9E	
						✓	GQD..9A		-		GMA..9E		-		
PN 40		-10...120 °C		DN	Δp_s	Δp_{max}	Δp_s	Δp_{max}	Δp_s	Δp_{max}	Δp_s	Δp_{max}	Δp_s	Δp_{max}	
N4212	N4212	N4211	N4211		[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]
	VAI61.15..		VBI61.15..	15	1400	350	1400	350	1400	350	1400	350	1400	350	
	VAI61.20..		VBI61.20..	20	1400	350	1400	350	1400	350	1400	350	1400	350	
	VAI61.25..		VBI61.25-10	25	1400	350	1400	350	1400	350	1400	350	1400	350	
	VAI61.32..		VBI61.32-16	32	-	-	-	-	1000	350	1000	350	1000	350	
	VAI61.40..		VBI61.40-25	40	-	-	-	-	800	350	800	350	800	350	
	VAI61.50..		VBI61.50-40	50	-	-	-	-	600	350	600	350	600	350	
	VAG61.15..		VBG61.15..	15	1400	350	1400	350	1400	350	1400	350	1400	350	
	VAG61.20..		VBG61.20..	20	1400	350	1400	350	1400	350	1400	350	1400	350	
	VAG61.25..		VBG61.25-10	25	1400	350	1400	350	1400	350	1400	350	1400	350	
	VAG61.32..		VBG61.32-16	32	-	-	-	-	1000	350	1000	350	1000	350	
	VAG61.40..		VBG61.40-25	40	-	-	-	-	800	350	800	350	800	350	
	VAG61.50..		VBG61.50-40	50	-	-	-	-	600	350	600	350	600	350	

Control ball valve flange connection															
Typical applications		Actuators		Data sheet		Spring return	18 Nm		25 Nm		35 Nm		70 Nm		
- Air handling unit - Domestic hot water		GCA..1E GBB..1E GIB..1E		N4613 N4626 N4626			-								
							-	-		GBB..1E		GIB..1E		2*GIB..1E	
						✓	GCA..1E		-		-		-		
PN 16		2...80°C		DN	Δp_s	Δp_{max}	Δp_s	Δp_{max}	Δp_s	Δp_{max}	Δp_s	Δp_{max}	Δp_s	Δp_{max}	
Data sheet		A6V11168935_a			[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]	[kPa]
	VAF41.65-63			65	400	400	400	400	-	-	-	-	-	-	
	VAF41.80-100		80	400	400	400	400	-	-	-	-	-	-		
	VAF41.100-160		100	-	-	-	-	400	400	-	-	-	-		
	VAF41.125-250		125	-	-	-	-	400	400	-	-	-	-		
	VAF41.150-360		150	-	-	-	-	-	-	400	400	-	-		



Beijing Siemens Cerberus Electronics Ltd
 Building Technologies Division
 No.1, Fengzhi Donglu Xibeiwang,
 Haidian District, Beijing,
 100094, P.R. China
 Tel +86 10 6476 8806

© Siemens Ltd, 2017

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.