

T E C H N O L O G Y W I T H A F U T U R E



vonRollvs⁵⁰⁰⁰

Fully-protected resilient seated gate valve for long-term security for water and gas supplies

Fully-protected resilient seated gate valves – Technology with a future

The main advantages at a glance

Versatile application

A whole range of connection possibilities are available for all appropriate piping systems made of ductile cast-iron, steel, polyethylene or PVC with diameters ranging from DN 20 to DN 300. (other DN on request)

Our optimal connection technology shortens construction time and its universal use simplifies planning!

Full protection

An integral coating of thick epoxy resin or completely enamelled coatings provide permanent protection against corrosion both internally and externally. The new screw-free connection between the upper and lower parts of the valve body guarantees excellent corrosion protection.

Comprehensive corrosion protection guarantees the highest level of long-term security!

Maintenance-free

Continuous lubrication of spindle: Grease stored in a special chamber guarantees continuous lubrication of the spindle.

Wear-resistant tapering guides: The specially integrated guide elements in wear-resistant plastic guarantee the long service life of the slide gate body even at high frequency of operation with automatic actuator (EN 1074-2, > 2500 cycles of operation under pressure) and guarantee lowest closing forces.

Convincing design details guarantee safe and lasting functionality!



- reliable
- universal
- hygienic
- maintenance-free
- certified

Hygienic

The completely smooth and non-porous epoxy or fully enamelled coating options and the additional sealing of the spindle chamber effectively prevent micro-organisms entering and settling in the valve and offer lasting protection against the formation of deposits.

Hygienically optimal characteristics help protect drinking water quality!

Approved for water and gas

SVGW/DVGW certified. Slide gate body and valve-body seal fulfil hygiene regulations according to DVGW worksheet W270. Special conformity evaluation according to EC pressurised device guidelines category III (CE 0085) for gas distribution systems up to 5 bar. Flanged valves for installations operating at up to 16 bar.

Focusing on high-quality, universally usable pipeline components!



CE 0085

















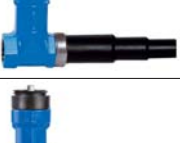












Epoxy: Integrated thick epoxy coating meets the stringent requirements of the GSK Quality Association for Heavy Duty Corrosion Protection



Enamel: Genuine full-enamel coating corresponds the requirements set out in DIN 3475 and the regulations of the Enamellers' Association

Fully-protected resilient seated gate valves. A complete program

		Water supply				Gas supply			
		PN	Epoxy Fig.-no	Enamel* Fig.-no.	DN	PN	Epoxy Fig.-no.	DN	
Flanges		10	5007	5288	40-300**		5	5452	40-300
		16	5109	5289	40-300**		(5 bar in distribution piping)		
		25	5025		40-150		16	5469	40-300
(16 bar in installations)									
Push-in socket with double chamber		16	5050	5290	80-300		1*	5051	80-300
Push-in socket / spigot with double chamber		16	5054	5291	80-200		1*	5055	80-200
Push-in socket / flange with double chamber		10	5455	5292	80-300		1*	5459	80-300
		16	5456	5293	80-300				
Spigots		16	5299		80-200		1*	5300	80-200
PE spigots		16	5440		25-50 /		5	5442	25-50 /
		16	5460	5294	DA 32-63 65-300 / DA 75-355**		5	5461	DA 32-63 65-300 / DA 75-355**
PE spigot / flange		10/16	5035		40-50 /		5	5039	40-50 /
		10	5462	5295	DA 50-63 80-300 /		5	5464	DA 50-63 80-300 /
		16	5463	5296	DA 90-355 80-300 / DA 90-355				DA 90-355
PE spigot / threaded outlet		16	5441		25-50 / 1"-2" / DA 32-63		5	5443	25-50 / 1"-2" / DA 32-63
PE spigot / threaded outlet		16	5446		40,50,63 / 2" / DA 40, 50, 63		5	5447	40,50,63 / 2" / DA 40, 50, 63
Threaded outlets		16	5005		3/4"-2"		5	5006	3/4"-2"

		Water supply				Gas supply		
		PN	Epoxy Fig.-no.	Enamel* Fig.-no.	DN	PN	Epoxy Fig.-no.	DN
Screwed sockets (swd5000)		16	5417		40-250	1*	5418	40-250
Screwed socket / flange (swd5000)		10 16	5420 5720		40/50; 80-200 40/50; 80-200	1*	5021	40/50; 80-200
Screwed socket / spigot		16	5327		80-200	1*	5328	80-200
Replacement valve with force-resistant flanges		16	5329		80-200			
Domestic mains gate valve with tapping saddle								
Treaded coupler DN 25-50, 3/4"-2"		16	5983		65-400	1*	5988	65-400
PE spigot DN 25-50 / DA 32-63		16	5982		65-400	1*	5987	65-400
PE spigot DN 50 / DA 40, 50, 63		16	5986		65-400	1*	5989	65-400

*5 bar with longitudinal force-resistant connection

Push-in socket: with seal and choice of internal or external vonRoll thrust resisting joint.

The combination can be deflected 3° in all directions.










* **DN enamel:** DN 100–200 in stock, other DN on request.

** **swd5000:** DN 250+300 and spigot DN 65

Connection technology **vonRoll**hydrotight

		Description	Fig.-no.
Connecting piece		DA 90-250 for water	5468
Connecting piece PE 100 with thread		DA 32-63 for water	5467
Connecting piece PE 100 universal with thread		DA 40-50-63 for water	5466
Rubber gasket according to DIN 28603		for water for gas	2810 2811
Seal and thrust-resisting ring according to DIN 28603		for water	2504
Thrust resisting joint		external	2806
		internal	2807
Connection set		for PE- and PVC pipes PN 16, DA 90-225 for water	2808
Flange with thrust-resisting ring for cast-iron spigot		DN 80-200 for water	5330

Operating accessories

		Description	Fig.-no.	
Extension stem		Telescopic extension stem with continuous height adjustment: For depths from 970 up to 2100 mm.	6895	
		Extension stem with fixed length: For depths up to 2150 mm.	6654	
Spindle adapter		For all extension stems with square spindle according to DIN 87303	6662	
Spindle extension		manufactured according to customer specification	9749	
Position display		Position display	5140	
		with contact when open	5141	
		with contact when closed	5142	
		with contacts when open + closed	5143	
Handwheel		Steel handwheel with mounting bolt and washers	8316	
Electric actuator		Standard: Auma actuator, voltage 3x400V / 50Hz; IP67	water 5131/32	
		Auma actuator, voltage 3x400V / 50Hz; IP 67 Ex-protected	gas 5133/36	
		Other drives and voltages on request		
Pneumatic or hydraulic actuator		Double-acting cylinder with limited stroke	5134/35/37	
Key		for telescopic installation set and column access covers with fastener	6900	
Column access covers			Fig.-no. for water	Fig.-no. for gas
		not adjustable, with chain	7023	7035
		not adjustable, without chain	7024	7036
		adjustable, with chain	7025	7037
		adjustable, without chain	7026	7038
		not adjustable, with fastener	6823 + 6829	6835 + 6838
adjustable, with fastener	6825 + 6829	6836 + 6838		

Subject to change without notice

Feel free to call us and reserve a demonstration date or ask us for our comprehensive product documentation.



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