

VS5000

The unique, fully protected resilient seated gate valves



All the benefits at a glance

VERSATILE

Versatile connector variants can be used for all relevant piping systems made from ductile cast iron, steel, PE and PVC of diameter DN 20 to DN 300.

Optimal connection technology saves fitting time, and universal application simplifies planning.

FULL PROTECTION

A full-protection coating, consisting of an integral, thick epoxy coating or full enamel, provides permanent protection against corrosion, both inside and out.

The screw- and bolt-free connection between the upper and lower sections of the housing ensures outstanding corrosion protection.

The comprehensive corrosion protection guarantees incredibly high reliability in the long term.

MAINTENANCE FREE

Continuous spindle lubrication: The grease is stored in a chamber and ensures that the spindle collar is continuously lubricated.

Wear-resistant wedge guide system: The specially inserted guide elements, made from wear-resistant polymer, guarantee a long service life for the wedges, even with a high number of switching cycles with automatic actuators (EN 1074-2, > 2500 switching cycles under pressure) and ensure minimal seating torques.

The impressive design details guarantee long-term operational reliability.

HYGIENIC

The smooth-as-glass, pore-free thick epoxy coating or full enamel coating and the additional sealing of the spindle chamber effectively prevent micro-organisms from entering and becoming established, and provide permanent protection against the build-up of deposits.

The characteristics are optimised in terms of hygiene to preserve drinking water quality.

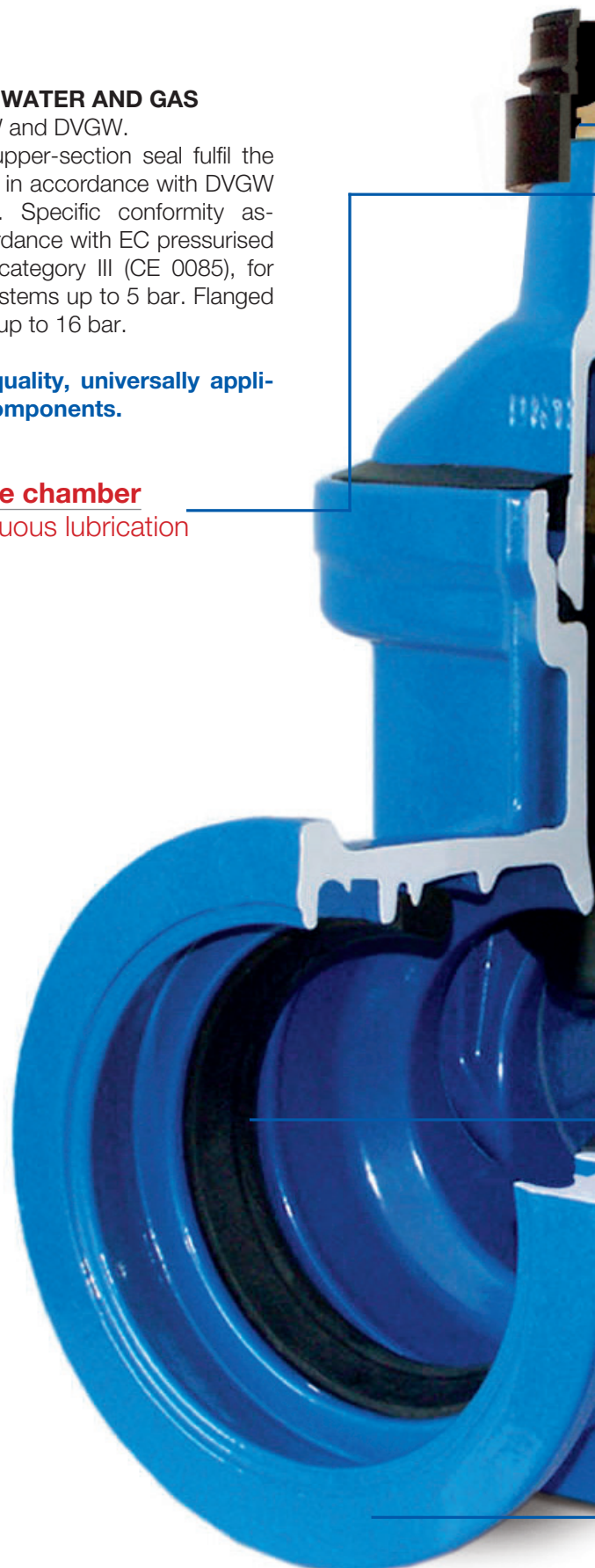
CERTIFIED FOR WATER AND GAS

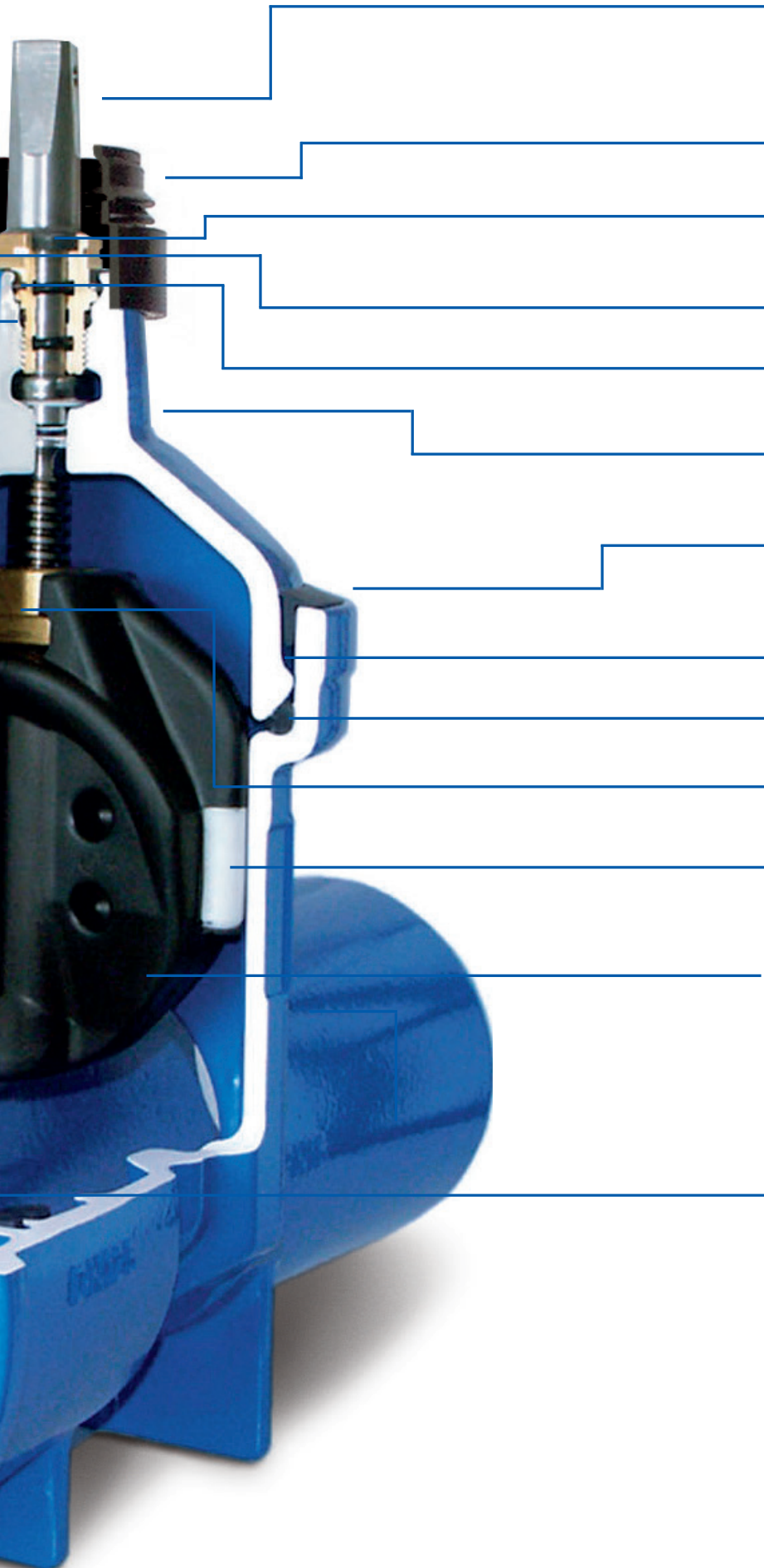
Certified by SVGW and DVGW.

The wedge and upper-section seal fulfil the hygiene regulation in accordance with DVGW worksheet W270. Specific conformity assessment in accordance with EC pressurised device guideline, category III (CE 0085), for gas distribution systems up to 5 bar. Flanged valves in systems up to 16 bar.

Focus on high-quality, universally applicable pipeline components.

Grease chamber
Continuous lubrication





Spindle

Protective pipe holder
for extension stems

Stripper

Protective ring

Snap ring

Upper section

Sealing ring

Holding segment

Upper section seal

Spindle nut















Caps
made from polyoxymethylene for wear protection







Closing body

Sealing ring

Housing

Fully protected resilient seated gate valves– **Water & gas**










	PN	EPOXY Fig no.	ENA- MEL*	DN	PN	Fig no.	DN	
Flanges 	10 16 25	5007 5109 5025	5288 5289	40-300** 40-300** 40-150	5 ⁽¹⁾ 16 ⁽²⁾	5452 5469	40-300 40-300	PE spigot/threaded outlet 
Push-in sockets with double chamber 	16	5050	5290	80-300	1*	5051	80-300	PE spigot/threaded outlet 
Push-in socket/spigot with double chamber 	16	5054	5291	80-200	1*	5055	80-200	Threaded couplers 
Push-in socket/flange with double chamber 	10 16	5455 5456	5292 5293	80-300 80-300	1*	5459	80-300	Screwed sockets (SWD 5000plus) 
Spigots 	16	5299		80-200	1*	5300	80-200	Screwed socket/flange (SWD 5000plus) 
PE spigots 	16 16	5440 5460	5294	25-50 / DA 32-63 65-300 / DA 75-355**	5 5	5442 5461	25-50 / DA 32-63 65-300 / DA 75-355**	Screwed socket/spigot 
PE spigot/flange 	10/16 10 16	5035 5462 5463	5295 5296	40-50 / DA 32-63 80-300 / DA 90-355 80-300 / DA 90-355	5 5	5039 5464	40-50 / DA 50-63 80-300 / DA 90-355	Replacement valve with force-resistant flanges 

PN	EPOXY Fig no.	DN	PN	Fig no.	DN	Domestic mains gate valve with tapping saddle	PN	EPOXY Fig no.	DN
16	5441	25-50 / 1"-2" / DA 32-63	5	5443	25-50 / 1"-2" DA 32-63	Threaded coupler	16	5983	65-400
									
16	5446	40, 50, 63 / 2" / DA 40, 50, 63	5	5447	40,50,63 / 2" DA 40, 50, 63	PE spigot	16	5982	65-400
									
16	5005	3/4"-2"	5	5006	3/4" - 2"	PE spigot	16	5986	65-400
									
16	5417	40-250**	1*	5418	40-250		All gas fittings are supplied in yellow.		
10 16	5420 5720	40/50; 80-200 40/50; 80-200	1*	5021	40/50; 80-200				
16	5327	80-200	1*	5328	80-200	Push-in sockets: with seal and choice of internal or external thrust-resisting joint. The combination can be deflected by 3° in all directions.			
						* ENAMEL: on request.			
						** SWD5000 <i>plus</i> : DN 250+300, PE spigot DN 65 with screwed upper-section connection			
16	5329	80-200				⁽¹⁾ 5 bar in the distribution network ⁽²⁾ 16 bar in systems			
						 Water fittings			
						 Gas fittings			

HYDROTIGHT – Connection technology

		Description	Fig no.
PE connecting piece		DA 90-25 for water	5468
PE 100 connecting piece with thread		DA 32-63 for water	5467
PE 100 universal connecting piece with thread		DA 40-50-63 for water	5466
Seal in accordance with DIN 28603		for water for gas	2810 2811
Seal with thrust-resisting joint in accordance with 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 joint for cast-iron spigot		DN 80-200 for water	5330

Accessories

		Description	Fig no.	
Extension stems		Telescopic extension stem with continuous height adjustment: For trench depths between 970 and 2100 mm	6895	
		Rigid extension stem with fixed lengths: For trench depths up to 2150 mm	6654	
Spindle adapter		For all extension stems with square spindle in accordance with DIN 87303	6662	
Spindle extension		Cut to length as per customer specification	9749	
Position display		Position display	5140	
		with contact open	5141	
		with contact closed	5142	
		with contact open + closed	5143	
Handwheel		Steel handwheel with mounting bolt and washers	8316	
Electric actuator		Standard: Auma actuator, voltage 3 x 400 V / 50 Hz; IP67	W 5131/32	
		Auma actuator, voltage 3 x 400 V / 50 Hz; IP67 Ex protected	G 5133/36	
		Other actuators and voltages on request		
Pneumatic or hydraulic actuator		Double-acting cylinder with limited stroke	5134/35/37	
Key		for extension stems and column access covers with fastener	6900	
Column access covers		- weld-resistant	Fig no. for water	Fig no. for gas
		not adjustable, with chain	7043	7049
		not adjustable, without chain	7044	7050
		adjustable, with chain	7045	7051
		adjustable, without chain	7046	7052
		not adjustable, with fastener	7047	7053
two-part, adjustable	7048	7054		

Would you like to see a demonstration, without obligation?

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