

# E2 VALVE

With flange DN 50-200, PN 10 | PN 16



## Design features

- Resilient seated gate valve with smooth straight-through bore in compliance with EN 13774 (EN 1074-1 and 2)
- Flanges sized in accordance with EN 1092-2, drilled according to EN 1092-2 | PN 10 standard (4005E2, 4705E2); EN 1092-2 | PN 16 from DN 200 (4005E2, 4705E2) Please specify on order - other standards on request
- **Wedge guide** with high glide characteristics; load-optimised design guarantees lowest wear and minimum closing torques
- **Wedge nut** allows high torque load through large dimensioning of the required thread length
- **O-rings, lip seals** mounted in rust-proof material on all sides
- **Edge protection** protects during transport and storage
- **Friction washers** (DN 50 to DN 200) guarantee low friction mounting of the spindle
- One extension spindle for several dimensions
- **100%** suitable for underground installation

**Standard version:** without handwheel and extension spindle

**Design versions:** with position indicator: No. 4005STE2

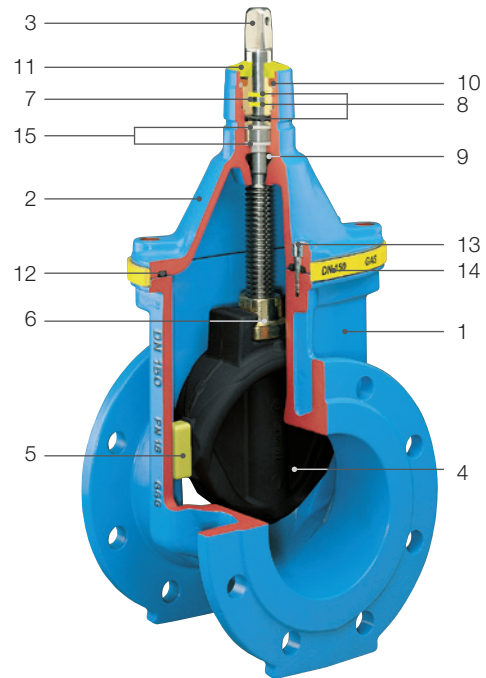
**Temperature range:** operation: -10° C to 50° C  
storage: -25° C to 70° C

## Material | technical features

- Body** (1) and **Bonnet** (2) made of ductile iron, inside and outside epoxy powder coated, ring groove on head part for a pinless force-fitting connection of the extension spindles
- Stainless steel spindle** with rolled thread and flat-rolled sealed sliding surface
- Wedge** made of ductile iron, inside and out with vulcanized elastomer
- Wedge guide** made of wear-resistant plastic
- Wedge nut** made of dezincification-resistant brass
- O-ring bush** made of brass
- O-rings** made of elastomer
- Back seal** made of elastomer
- Retaining ring** made of POM
- Wiper ring** made of elastomer
- Bonnet gasket** made of elastomer
- Allen screws** encased into the body with an enclosing gasket and wax, ensuring full corrosion protection
- Edge protection** made of PE
- Friction washers** made of POM

No. 4005E2

No. 4705E2



Order no.	Version	MOP (PN)	Dimensions/DN						
			50	65	80	100	125	150	200
4005E2	short	16							
	EN 558-1 GR 14								
4705E2	long	16							
	EN 558-1 GR 15								

## Suitable accessories

### Suitable accessories:

Handwheel:		No. 7800
Extension spindles:	rigid	No. 9000E2
	telescopic	No. 9500E2
Surface boxes:	rigid	No. 1755
Base plate:		No. 3481, No. 3490

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**E. Hawle Armaturenwerke GmbH** Wagrain Straße 13 - 4840 Vöcklabruck - Austria  
Tel.: +43 (0) 7672 72576 0 - Fax: +43 (0) 7672 78464 - E-Mail: hawle@hawle.at - hawle.com

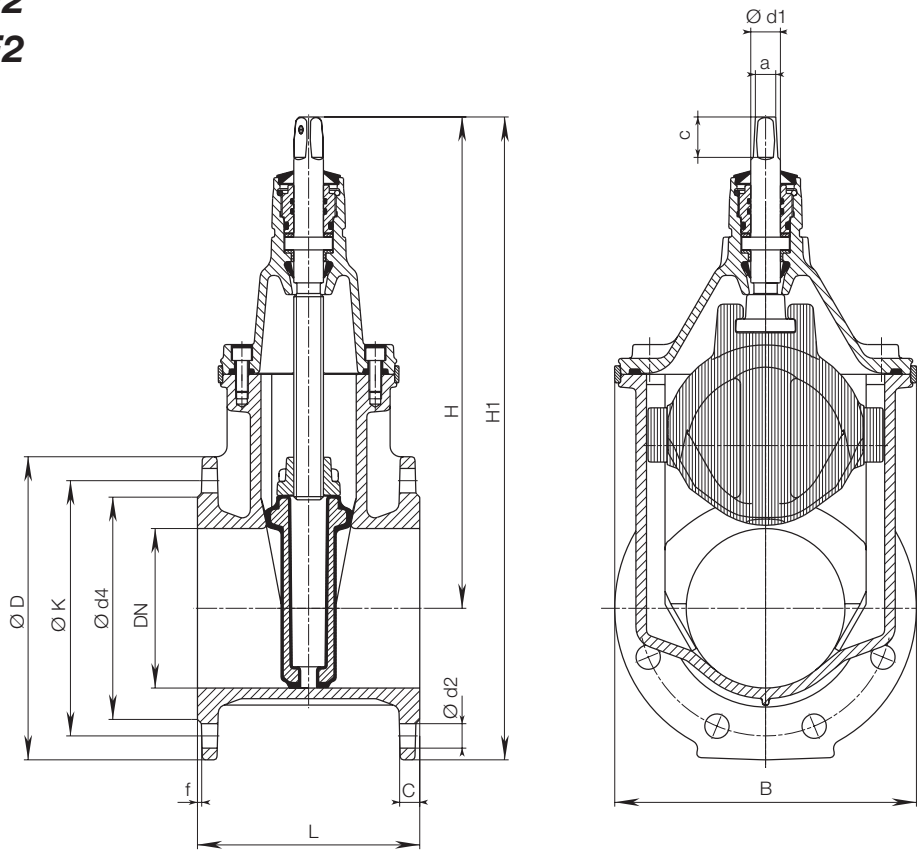
# E2 VALVE

With flange DN 50-200, PN 10 | PN 16



No. 4005E2

No. 4705E2



DN	MOP (PN)	Flange					Bolts			Spindle			Valve				Weight		
		$\varnothing D$	C	$\varnothing K$	$\varnothing d4$	f	Qty.	Thread	$\varnothing d2$	a	c	$\varnothing d1$	H	H1	L short	L long	B	short	long
50	10	165	19	125	98	3	4	M 16	19	14,8	30	22	260	342	150	250	143	11,0	12,0
	16																	12,0	
65	10	185	19	145	118	3	4	M 16	19	17,3	35	25	328	420	170	270	180	17,0	18,0
	16																	18,0	
80	10	200	19	160	133	3	8	M 16	19	17,3	35	25	336	436	180	280	180	18,5	20,5
	16																	20,5	
100	10	220	19	180	153	3	8	M 16	19	19,3	38	25	373	483	190	300	213	24,5	27,5
	16																	27,5	
125	10	250	19	210	183	3	8	M 16	19	19,3	38	28	450	575	200	325	285	35,5	38,0
	16																	38,0	
150	10	285	19	240	209	3	8	M 20	23	19,3	38	28	462	605	210	350	285	40,5	46,0
	16																	46,0	
200	10	340	20	295	264	3	8	M 20	23	24,3	48	32	563	733	230	400	357	64,0	72,0
	16						12											72,0	



The specified pressure test for gas-valves is certified by an acceptance test certificate to EN 10204 -3.1.



reliant on dimension external monitored



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 Tel.: +43 (0) 7672 72576 0 - Fax: +43 (0) 7672 78464 - E-Mail: hawle@hawle.at - hawle.com

# E2 VALVE

With flange DN 250-500, PN 10 | PN 16



## Design features

- Resilient seated gate valve with smooth straight-through bore in compliance with EN 13774 (EN 1074-1 and 2)
- Flanges sized in accordance with EN 1092-2, drilled according to  
EN 1092-2 | PN 10 standard (4005E2, 4705E2);  
EN 1092-2 | PN 16 from DN 200 (4005E2, 4705E2)  
Please specify on order - other standards on request
- **Wedge guide** with high glide characteristics; load-optimised design guarantees lowest wear and minimum closing torques
- **Wedge nut** allows high torque load through large dimensioning of the required thread length
- **O-rings, lip seals** mounted in rust-proof material on all sides
- **Edge protection** protects during transport and storage
- **Ball bearings** (DN 250 to DN 500) in the spindle seating minimizes closing forces
- Easy to actuate without bypass and without power boost - even for 16 bar differential pressure
- For the assembling of a position indicator it is necessary to remove the centering flange and mount the adapter for position indicator
- **100%** suitable for underground installation

**Standard version:** without handwheel and extension spindle

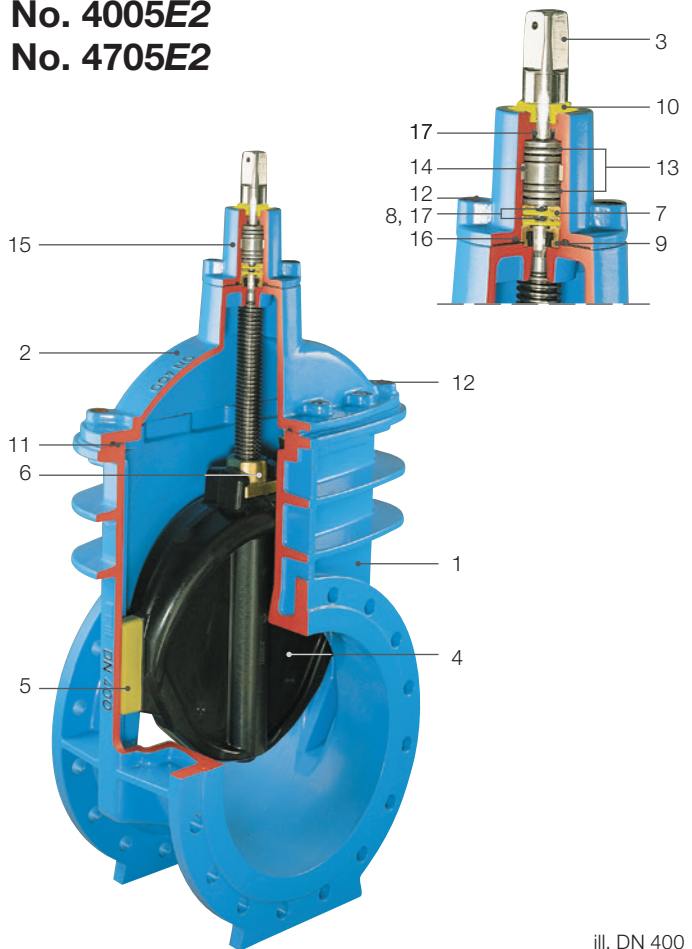
**Design versions:** with position indicator: No. 4005STE2

**Temperature range:** operation: -10° C to 50° C  
storage: -25° C to 70° C

## Material | technical features

- 1, 2, **Body (1), bonnet (2), centering flange (15)**  
15 made of ductile iron, epoxy powder coated inside and out
- 3 **Stainless steel spindle** with rolled thread and flat-rolled sealed sliding surface
- 4 **Wedge** made of ductile iron, inside and out with vulcanized elastomer
- 5 **Wedge guide** made of wear-resistant plasti
- 6 **Wedge nut** made of dezincification-resistant brass
- 7 **O-ring bush** made of brass
- 8,17 **O-rings (8), lip seals (17)** made of elastomer
- 9 **Back seal** made of elastomer
- 10 **Wiper ring** made of elastomer
- 11 **Bonnet gasket** made of elastomer
- 12 **Allen screws** encased into the body with an enclosing gasket and wax, ensuring full corrosion protection
- 13 **Ball bearing** made of DN 250, permanently lubricated
- 14 **Centering ring** made of POM
- 16 **Centering flange gasket** made of elastomer

No. 4005E2  
No. 4705E2



III. DN 400

Order no.	Version	MOP (PN)	Dimensions/DN				
			250	300	350	400	500*
4005E2	short	16					
	EN 558-1 GR 14						
4705E2	long	16					
	EN 558-1 GR 15						

\* Body: DN 400 - flange connection: DN 500

## Suitable accessories

### Suitable accessories:

Handwheel:		No. 7800
Extension spindles:	rigid	No. 9000E2
	telescopic	No. 9500E2
Surface boxes:	rigid	No. 1755
Base plate:		No. 3481, No. 3490

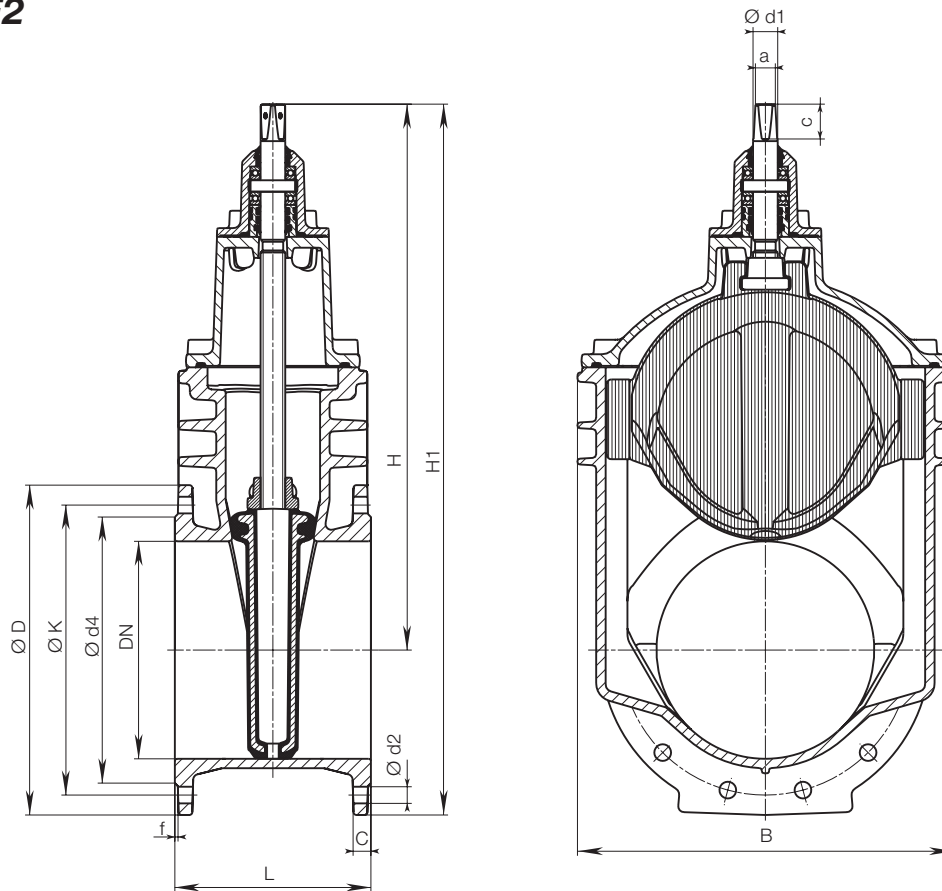
# E2 VALVE

With flange DN 250-500, PN 10 | PN 16



No. 4005E2

No. 4705E2



DN	MOP (PN)	Flange					Bolts			Spindle			Valve				Weight		
		$\varnothing D$	C	$\varnothing K$	$\varnothing d4$	f	Qty.	Thread	$\varnothing d2$	a	c	$\varnothing d1$	H	H1	L short	L long	B	short	long
250	10	400	22	350	319	3	12	M 20	23	27,3	48	34	670	870	250		432	100,0	
	16			355				M 24	28										
300	10	455	24,5	400	367	4	12	M 20	23	27,3	48	34	753	981	270	500	518	147,0	170,0
	16			410				M 24	28										
350	10	520	26,5	460	427	4	16	M 20	23	27,3	48	34	838	1098	290		604	205,0	
	16			470				M 24	28										
400	10	580	28	515	477	4	16	M 24	28	32,3	55	44	974	1264	310		687	261,0	
	16			525				M 27	31										
500*	10	715	31,5	620	582	4	20	M 24	28	32,3	55	44	974	1345		700	687		371,0
	16			650				M 30	34										

\* Body: DN 400 - flange connection: DN 500



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