


for GAS according to EN 437



REG. NR. G 1.475

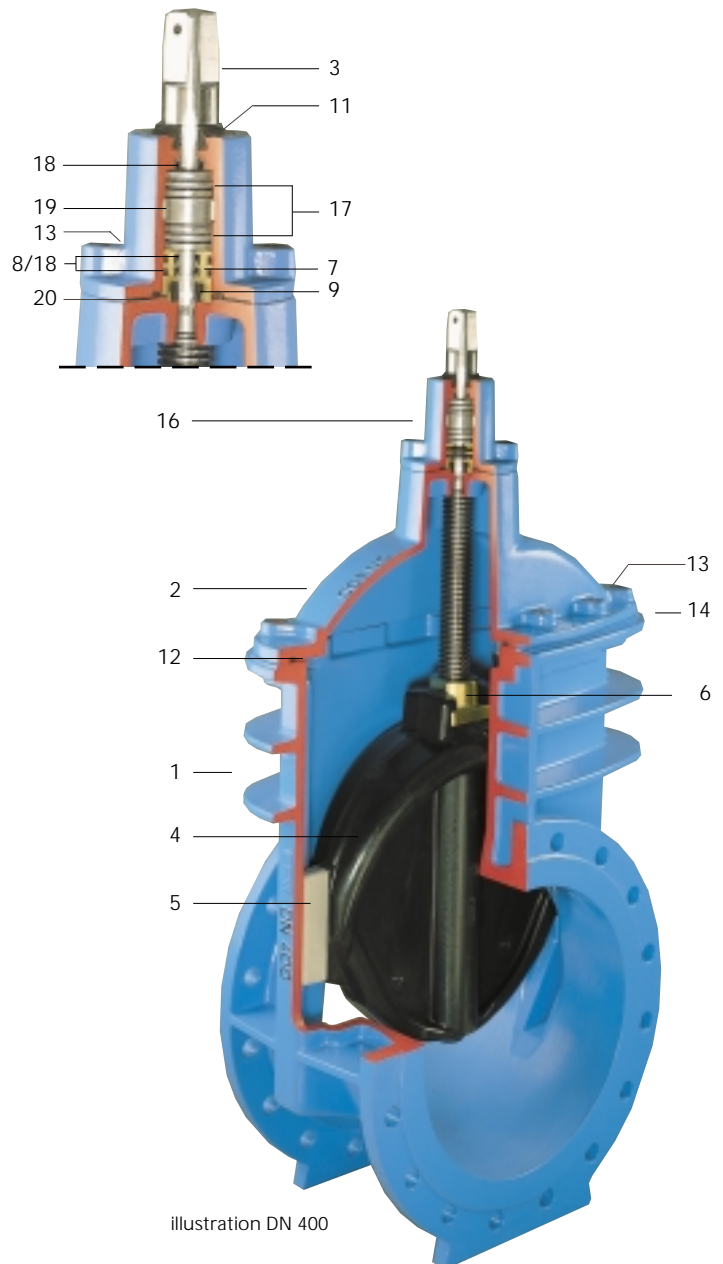
The prescribed pressure test for gas valves will be attested by certificate in accordance with DIN 50049 (EN 10204) - 3.1.B.

Order no.	Face-to-face dimension	PN	Dimensions/DN					
			250	300	350	400	450*	500*
4005E2	short (DIN 3202 F 4) EN 558-1 GR 14	16	●	●	●	●		
4705E2	long (DIN 3202 F 5) EN 558-1 GR 15	16	●	●		●	●	●

Resilient seated gate valve with smooth straight-through bore

### Material and design features:

- 1/2/16 **Body (1), bonnet (2) and center housing (16)** of ductile iron EN-GJS-400-18 according to EN 1563 (GGG 400 - DIN 1693) inside and outside epoxy powder coated according to DIN 30677-T2 in accordance with DIN 3476 and all quality and test requirements of RAL quality mark 662 (GSK - Gütegemeinschaft Schwerer Korrosionsschutz - the association for high quality corrosion protection)
- 3 **Stainless steel spindle** St 1.4021 (X20Cr13), with rolled thread
- 4 **Wedge** of ductile cast iron EN-GJS-400-18 according to EN 1563 (GGG 400 - DIN 1693), fully rubberized with vulcanized elastomer - DIN 3535 with drain hole
- 5 **Wedge guide** of wear resistant plastic with high gliding features; optimally placed design guarantees lowest wear and tear and lowest closing torques
- 6 **Wedge nut** of dezincification resistant brass CuZn36Pb3As, generous oversizing of the required thread length in the wedge nut according to prEN 1171 (draft) guarantees highest possible breaking torques
- 7 **O ring bush** of Ms 58
- 8/18 **O rings (8), sealing rings (18)** of elastomer - DIN 3535, embedded in non-corrosive material (according to DIN 3547-T1) and replaceable without pressure
- 9 **Back seal** of elastomer - DIN 3535
- 11 **Wiper ring** of elastomer
- 12 **Bonnet gasket** of elastomer - DIN 3535
- 13 **Allen screws** St 8.8 DIN 912 absolutely corrosion protected by being sunk into the body and sealed, and by passing through bonnet gasket
- 14 **Edge protecting ring** of PE avoids damages during transport and storage
- 17 **Ball bearing**
- 19 **Center ring** of POM
- 20 **Center housing gasket** of elastomer - DIN 3535



**Flanges** according to EN 1092-2 (DIN 28605), drilled to DIN 2501-PN10 (standard); for DIN 2501-PN 16 please specify on order - other standards on request !

# E2 Elypso Valve Flanged Ends DN 250-500

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

**Design versions:** with electric actuator: No. 4005ELE2; with position indicator: No. 4005STE2

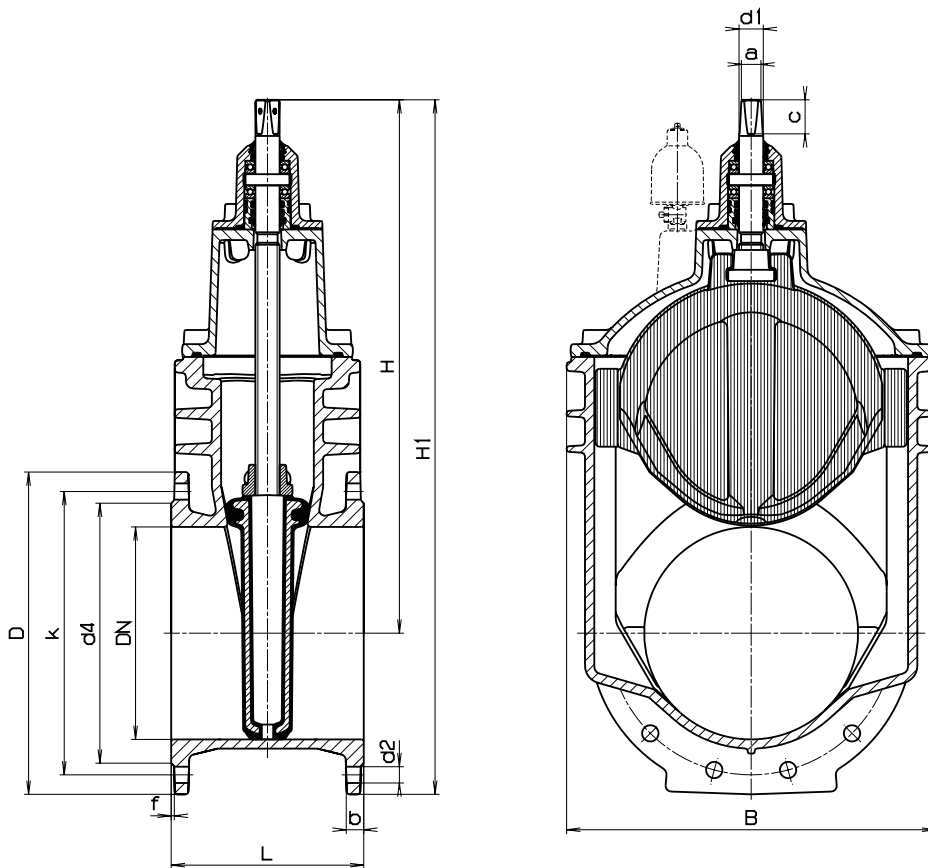
**Special versions:** on request! - angular gear drive

**Suitable accessories:**

- Handwheel:** No. 7800
- Extension Spindles:** rigid No. 9000  
telescopic No. 9500
- Surface Boxes:** rigid No. 1755, telescopic No. 2055

## Design features:

- can be easily actuated without by-pass and without power assist - even at a differential pressure of 16 bar
- optimally placed wedge guide of wear resistant plastic guarantees lowest wear and tear and lowest closing torques, suitable for frequent operations at a differential pressure up to 16 bar
- 100% suitable for operation by automatic actuators
- generous oversizing of the required thread length in wedge nut according to prEN 1171 guarantees highest possible breaking torques
- O rings embedded in non-corrosive material (according to DIN 3547-T1)
- replaceable O rings without pressure
- spindles borne in ball bearings permit minimum closing forces
- for attaching an actuator or a position indicator: take off centering flange and put on position indicator or actuator with louver
- 100% suitable for underground installation



\* Body: DN 400 - flange connection: DN 450 &/or 500

DN	PN	Flange					Bolts			Spindle			Valve					Weight kg	
		D	b	k	d 4	f	Qty.	Thread	d 2	a	c	d 1	H	H 1	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	450	432	100,0	121,0
				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
				28															
350	10	520	26,5	460	427	4	16	M 20	23	27,3	48	34	838	1098	290		604	205,0	
				28															
400	10	580	28	515	477	4	16	M 24	28	32,3	55	44	974	1264	310	600	687	261,0	300,0
				31															
450*	10	640	30	565	530	4	20	M 24	28	32,3	55	44	974	1310		650	687		332,0
				31															
500*	10	715	31,5	620	582	4	20	M 24	28	32,3	55	44	974	1345		700	687		371,0
				34															