



PN 10/8/6/4/2.5
DN 50...1000



Product Features

- Full-flange design, both as wafer type and for pipeline end installation, without additional counter flange at full differential pressure, any installation position possible
- Flange dimensions acc. to DIN EN 1092-2 / PN 10
- Face-to-face to DIN EN 558-1 series 20 (formerly DIN 3203-2 series K1)
- Solid full-flange design, body screws outside of the flange gasket frame, unrestricted passage free of rinsing edges
- Leakproof in both directions
- Knife sealing pressure supported, chambered U-shaped bracket seal
- Special profiled lateral seal with integrated PTFE guiding rods for optimum guiding of the knife
- Lateral seal allows adjustment during operation and easy replacement without dismantling the valve from the pipeline
- Scraper profiles integrated on both sides for permanent cleaning of the knife at every stroke
- Closed yoke of stainless steel offers a high degree of personal protection from moving parts and at the same time an optimum shielding of the knife with mounted handwheel

Versions

- With electric actuator
- With pneumatic drive
- Knife of stainless steel 1.4571, stem of stainless steel 1.4057 (17% Cr)
- With mechanical position indicator
- With limit switches (OPEN/ CLOSE)

Materials

- Body parts, bearing panel and thrust piece of cast iron EN-JL-1040 (GG 25)
- Knife of stainless steel 1.4301
- U-shaped bracket seal and lateral seal of elastomer (NBR)
- Yoke of stainless steel sheets (> DN 300 of sheet steel with double galvanising)
- Stem of stainless steel 1.4021, stem nut of brass
- All connection parts of stainless steel

Corrosion Protection

- Body parts, bearing panel and thrust piece of cast iron with epoxy coating

Field of Application

- Water and sewage treatment plans
- For wafer type and for pipeline end installation (without counter flange) for the following operational pressures:

DN 50...300	max. 10 bar
DN 400	max. 8 bar
DN 500...600	max. 6 bar
DN 700, 800	max. 4 bar
DN 900, 1000	max. 2,5 bar

For information about installation, commissioning, operating and maintenance we kindly refer to **KAT 2410-B1**.

Field of Use

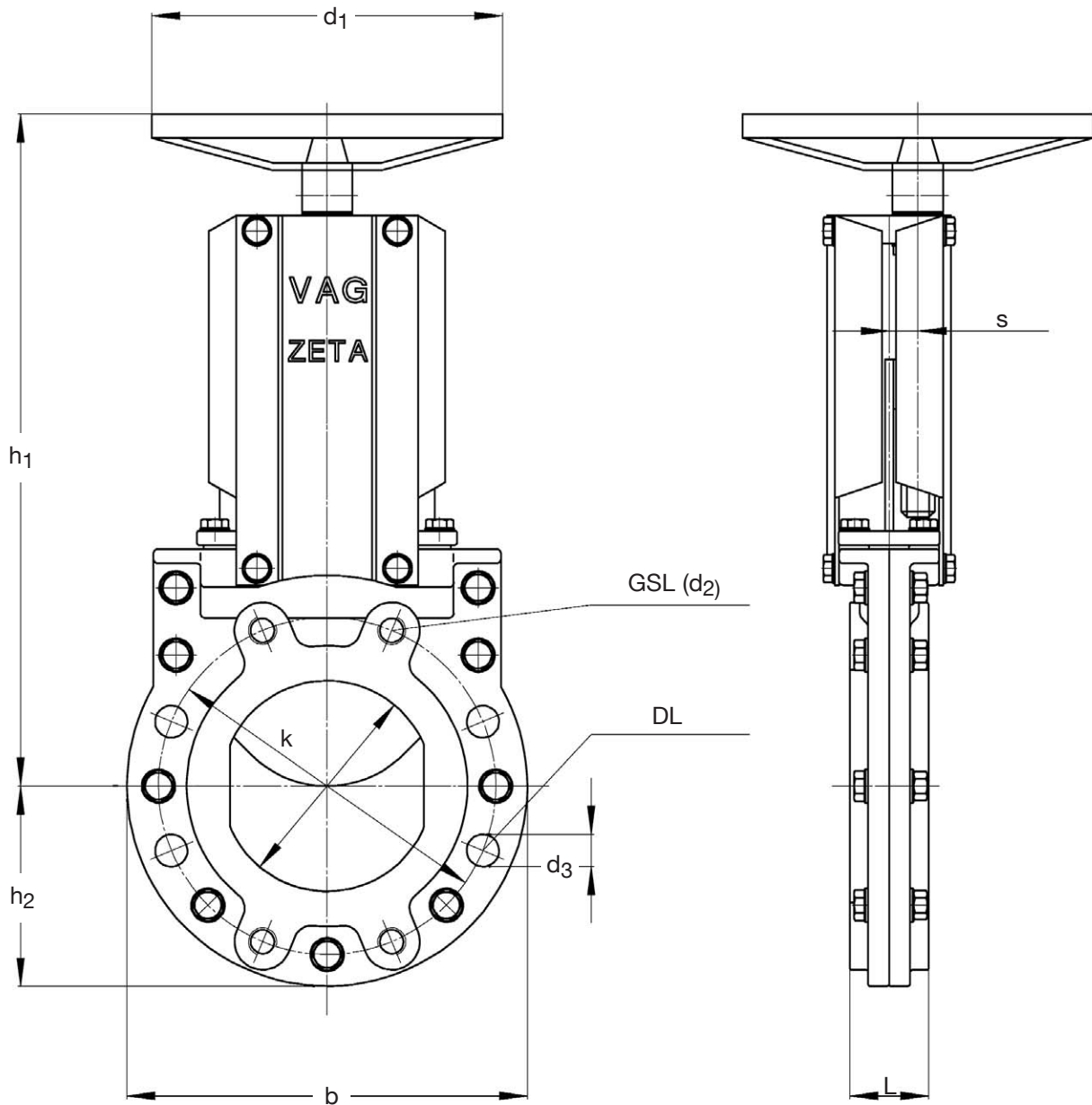
Final Inspection Tests in acc. with DIN EN 12266-1

DN mm	PN bar	Max. operating over-pressure bar	Max. operating temperature for water, sewage, sewage sludge °C	Test pressure in bar with water	
				body	seat
50...300	10	10	50	15	10
350...400	8	8	50	12	8
500...600	6	6	50	9	6

We reserve the right to make technical changes and use similar or higher-quality materials. Drawings are non-binding



Dimensions/weights



GSL = threaded blind holes DL = through holes

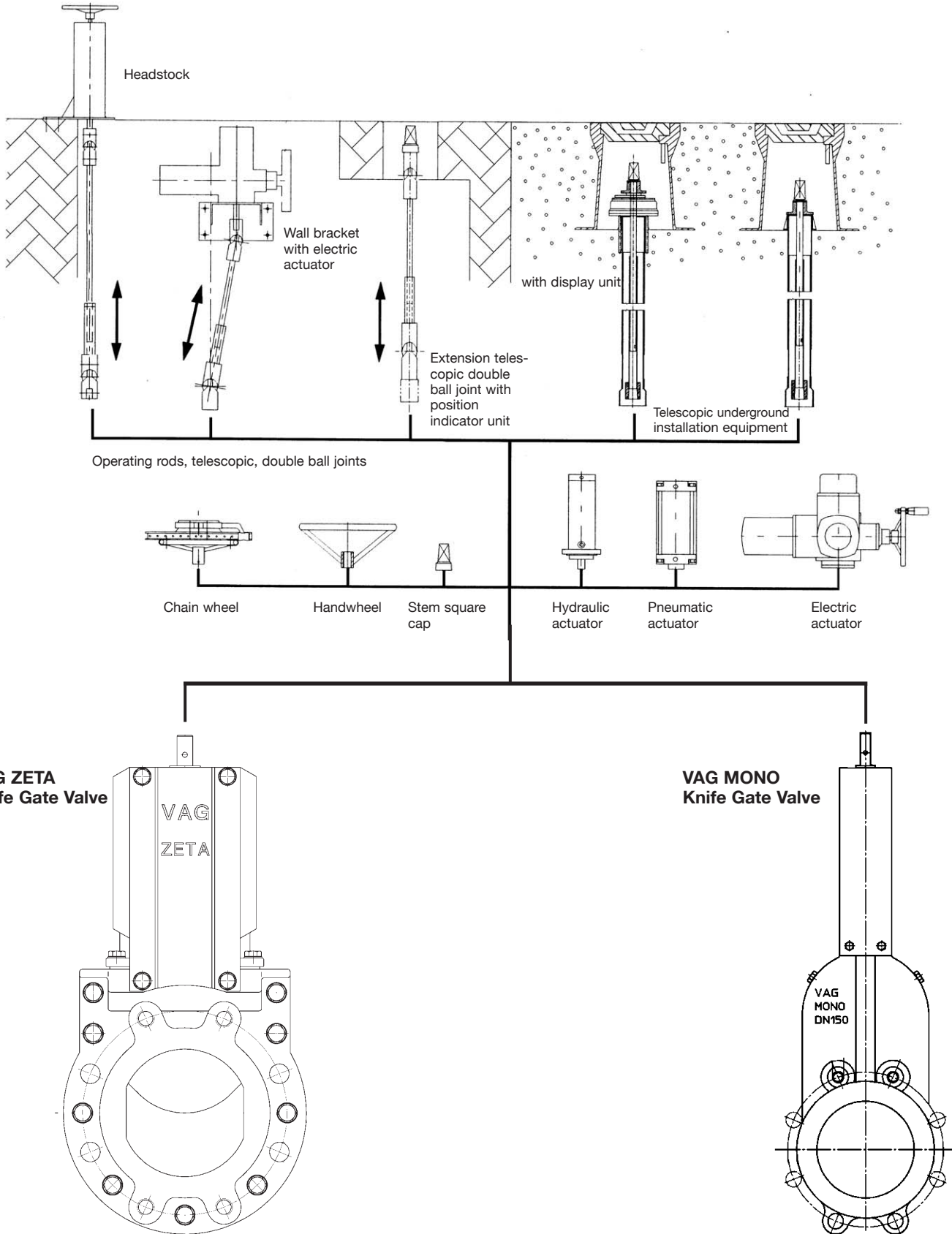
Dimensions for bigger DN on request

Dimensions in mm		50	65	80	100	125	150	200	250	300	350	400	500	600	
DN	h_1 (approx.)	290	305	340	365	420	480	580	740	830	930	1030	1250	1430	
	h_2	83	93	100	110	125	143	170	198	223	253	283	335	390	
	b	165	185	200	220	250	285	340	395	445	505	565	670	780	
	k	125	145	160	180	210	240	295	350	400	460	515	620	725	
	L	43	46	46	52	56	56	60	68	78	78	102	127	154	
	d_1	200	200	250	250	250	250	300	400	400	400	400	500	600	
	s	15	15	17	18	18	21	22	28	29	29	33	40	40	
	flange bore-holes	No.	4	4	8	8	8	8	8	12	12	16	16	20	20
		Tread	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24	M24	M27
	Bore-holes on valve	GSL	No. per side	4	4	4	4	4	4	8	8	10	10	14	14
d_2			M16	M16	M16	M16	M16	M20	M20	M20	M20	M24	M24	M27	
DL		No.	-	-	4	4	4	4	4	4	6	6	6	6	
		d_3	-	-	19	19	19	23	23	23	23	23	26	26	30
Turns/stroke		13	17	20	25	32	30	40	50	60	70	67	84	100	
Weight	kg (approx.)	9	11	12	15	20	25	37	69	91	134	164	280	370	

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Actuator variants



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