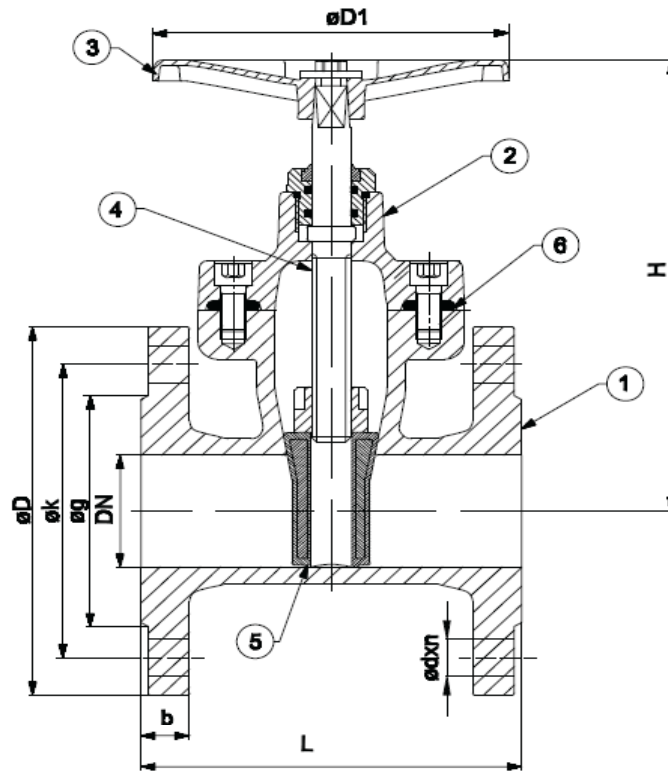


HERZ - Gate valve

Data sheet 4 **4113**, Issue 0415 ME

Dimensions in mm



Order #	DN	L	H	D1	Flange					Hole Qty	Weight
					D	k	g	b	d		
4 4113 21	65	170	230	160	185	145	118	20	19	4	15
4 4113 22	80	180	245		200	160	132	22		17	
4 4113 23	100	190	265	200	220	180	156	24		8	23
4 4113 24	125	200	355	250	250	210	184	26	23	37	45
4 4113 25	150	210	400		285	240	211	26			80
4 4113 26	200	230	490	315	340	295	266	30	28	12	123
4 4113 27	250	250	615		405	355	319	32			166
4 4113 28	300	270	70	460	410	370	32	225			
4 4113 29	350	290	835	400	520	470	429	36	31	16	290
4 4113 30	400	310	910		580	525	480	38			400
4 4113 31	450	330	1000	500	640	585	548	40	34	20	460
4 4113 32	500	350	1135		715	650	609	42			680
4 4113 33	600	390	1300		840	770	720	48			37

Specification

For hot and cold water systems for fluids excluding acid and non flammable fluids

Temperatures -10°C ... +120°C

max. Pressure **PN16**

Part #	Part	Material
1	Body	GG25 / GGG40.3
2	Bonnet	GG25 / GGG40.3
3	Handwheel	GG20
4	Stem	Stainless steel
5	Wedge	Rubber plated / GGG40.3
6	Gasket	NBR / EPDM

The pressure loss in the valve can be calculated with below given formula

$$1) h_v = \zeta \cdot \frac{c^2}{2g}$$

$$2) \Delta p = \frac{\gamma h_v}{10000} = \zeta \cdot \frac{\gamma \cdot c^2}{2g}$$

h_v pressure loss (m)
 Δp pressure loss (kp/m² = mmSS)
 c flow rate (m/s)
 ζ pressure loss coefficient
 γ Density (kp/m²)
 g 9,81 m/s²

DN	65	...	600
ζ	~ 0,2 - 0,3		

kV Value

DN	65	80	100	125	150	200
kV (m ³ /h)	328,8	502,9	800	1291,3	1919	3773,6

