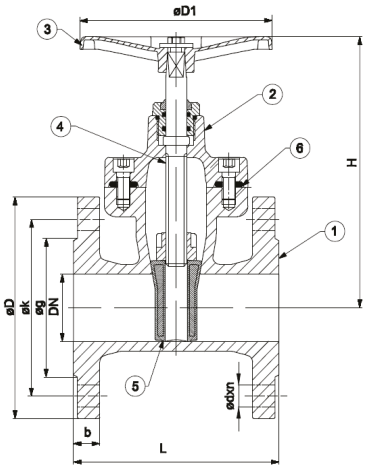
Gate Valve

Data sheet 4 4113 DP, Issue 0217

Dimensions in mm

Materials

Body	(1) GG25
Bonnet	(2) GG25
Handwheel	(3) GG25
Stem	(4) Stainless steel
Wedge	(5) GGG40 rubber plated
Gasket	(6) EPDM
Gland	(7) Brass CW617



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

Specification

Temperature range	: -10°C … +110°C
Pressure rate	: PN16
Flange Dimensions	: according to EN1092-2
Design standard	: EN1171 , BS 5150
Coating	: epoxy coated, blue RAL5000

For hot and cold water systems for fluids excluding acid and flammable fluids.
The use of ethylene or propylene glycol in a mixing ra o 25- 50% is allowed.



Pressure loss calculation

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

1. $hv = \frac{\zeta * c}{2\,g}$

2. $\Delta p = \frac{\Upsilon * h\,v}{} = \zeta \frac{\Upsilon * c}{2\,g}$

hv	pressure loss (m)
Δp	pressure loss (kp/m^2 = mmSS)
c	flow rate (m/s)
ζ	pressure loss coefficient
ϒ	density (kp/m2)
g	9.81 m/s^2

DN	50	…	600
ζ	~ 0,2 - 0,3		

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