

Gate valve / Slide gate valve



VDL gate valves have their own specific application. When open, they have a completely free passage. The gate is completely surrounded by a one-piece EPDM seal. This guarantees a leak-free application and simple operation. The valve is corrosion-resistant thanks to the use of plastic and stainless steel. Gate valves are not suitable for installation in intake lines. The gate valve is available on request with an extended shaft of 50, 100, 150 or 200 cm.

Two types of gate valve are available (see figure).

Gate valves (1)

Diameter 50-110 mm with PVC-U gate. The seals in these valves have a recess into which the gate falls when closed. As a result, these valves are only suitable for clean water applications (contamination can otherwise accumulate in the recess of the seals).

Slide gate valves (2)

Diameter 110-200 mm with stainless steel gate (A4/314) and orange handle. The seals are flat so that the gate lies on the packing when closed. As these seals have no recess, these slide gate valves are well suited for use with contaminated media. Furthermore, these valves have a different opening and closing mechanism. Before closing, the orange nut has to be turned a half/full rotation. The valve can then be completely closed by turning the handle. In this way the stainless steel gate acts like a "guillotine" ensuring sealing at all times (even in the case of a contaminated medium). Before opening (from the completely closed position), the handle thus has to be unscrewed and then pulled upwards. The shaft can be locked in any desired position by means of the orange nut.

Maximum pressure

Inside gluing dimensions (mm)	50	63	75	90	110	160	200
Maximum pressure (bar)	3,0	2,0	1,5	1,0	1,0	pressure-free	pressure-free

APPLICATION

In pressure-free systems, gate valve for clean water and slide gate valve for contaminated water

CHARACTERISTICS

- ✔ Simple operation
- ✔ Leak-free operation in all positions
- ✔ Corrosion-resistant thanks to the use of plastic and stainless steel
- ✔ Diameters 110, 160 and 200 mm are also available with a stainless steel gate
- ✔ Simple installation with internal glued and/or screw fittings
- ✔ Not suitable for installation in intake lines
- ✔ Removable upper housing for easy cleaning or replacement
- ✔ Low installation height
- ✔ PVC-U housing / EPDM seal

TECHNICAL DATA

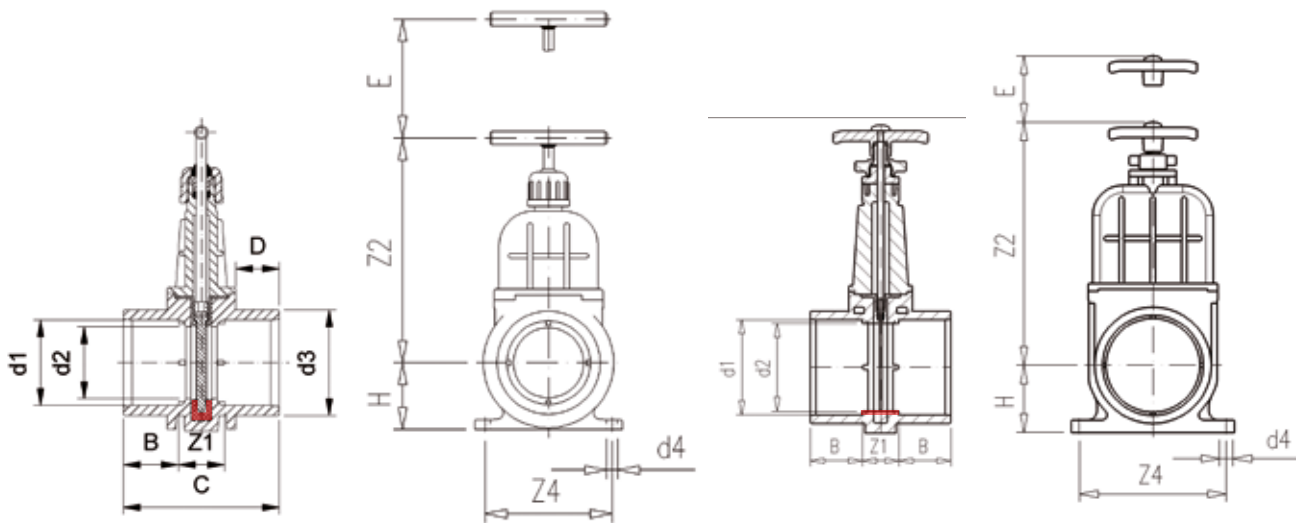
Dimensions	: 50 - 110 mm (gate valves with PVC gate)
	: 110 - 200 mm (slide gate valves with stainless steel gate)
Pressure	: see table

Dimensions (mm)

d1	d2	d3	Z1	Z2	Z3	Z4	B	C	D	E
Glue x glue										
50	42	-	29	139	-	76	31	91	-	52
63	54	-	38	164	-	98	38	114	-	65
75	64	-	39	187	-	112	44	127	-	73
90	76	-	45	218	-	134	51	147	-	91
110	95	-	54	250	-	158	61	176	-	107
160	150	-	55	388	-	240	86	227	-	165
200	192	-	48	578	-	275	107	262	-	200
Glue x male thread										
50	42	2"	35	139	-	76	31	92	27	52
63	54	2½"	44	164	-	98	38	112	31	65
75	64	3"	49	187	-	112	44	126	34	73
Glue x passage										
50	42	2"	35	139	0-21	76	31	117	52	52
63	54	2½"	44	164	0-23	98	38	133	52	65
75	64	3"	49	187	0-20	112	44	148	56	73
90	76	M123	54	218	0-20	134	51	166	62	91
110	95	M123	65	250	0-22	158	61	191	66	108

Gate valve cross-section

Slide gate valve cross-section



INSTALLATION & MAINTENANCE

- ✓ Separate replacement sets are available for the gate valves.
- ✓ Installation of the gate valve is simple thanks to the glued or threaded fitting.
- ✓ The valves function leak-free in all positions.
- ✓ The packing around the operating shaft is adjustable.