

Worm Gear Non-Rising Stem Wedge Gate Valve



PRODUCT OVERVIEW

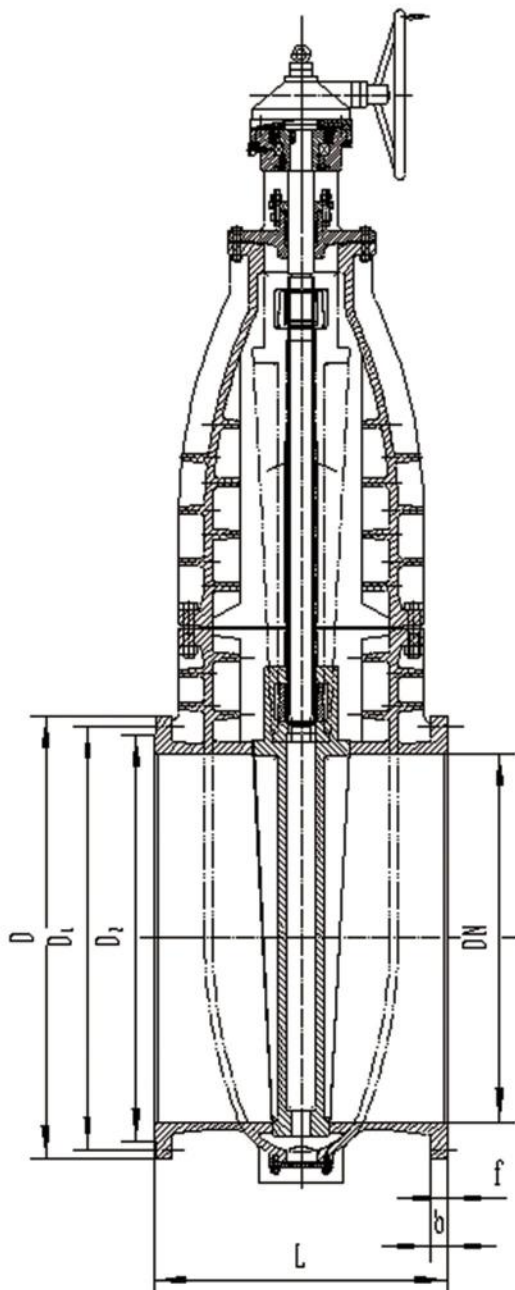
Body material:	Gray cast iron/ Ductile cast iron/ Ni-Cr ductile iron
Size range:	DN50 ~ 1600mm
Pressure rating:	1.0 MPa
Operating temperature:	-10 ~ 100°C
End connection:	Flanged
Applicable medium:	Water, Sewage, Oil
Mode of operation:	Manual
Applicable industry:	Water & Water treatment, Power generation, Pulp & Paper, Municipal, Heating & Ventilation
Design & Manufacture:	API, ASME, ASTM, ANSI, BS, DIN, JIS, ISO, GB

DESIGN FEATURES

1. The valve has a simple form and structure, showing excellent manufacturing technologies. It also has a wide scope of application and can be installed easily.
2. It has a reasonable, compact structure, a small size and a wedge valve gate, which can automatically compensate for the valve body deformation caused by abnormal loads or temperature during operation. Its sealing is also safe and reliable.
3. The medium can flow in any direction through either side of the gate valve to fulfill the purpose of connection or cutting off.
4. When opening and closing, the movement direction of the gate plate is perpendicular to the flow direction of the medium. Compared with the stop valve, the opening and closing of the gate valve is more labor-saving.
5. Both vertical and horizontal types can be customized for installation and use.

VALVE MATERIAL LIST

Part Name	Part Material
Valve body, Gate plate, Bonnet, Packing seat, Packing gland	Gray cast iron/ Ductile cast iron/ Ni-Cr ductile iron
Stem nut	QT450-10/ZCuAl10Fe3
Valve stem	2Cr13/Q235/2205/ZCuAl10Fe3
Medium-caliber gasket	XB300
Packing	Flexible graphite
Bolts, Nuts	25/35/304



Worm Gear

Transition Device

Bonnet

Valve Body



TECHNICAL SPECIFICATIONS

Model	DN	L		D	D ₁	D ₂	b-f	Z-Φd
Z945T/W-10	50	178		160	125	100	19-2	4-Φ18
	65	190		180	145	120	19-2	4-Φ18
	80	203		195	160	135	21-2	4-Φ18
	100	229		215	180	155	21-2	8-Φ18
	125	254		245	210	185	23-2	8-Φ18
	150	280	267	280	240	210	24-3	8-Φ23
	200	330	292	335	295	265	26-3	8-Φ23
	250	380	330	390	350	320	27-3	12-Φ23
	300	420	356	440	400	368	27-3	12-Φ23
	350	450		500	460	428	28-3	16-Φ23
	400	480		565	515	484	31-3	16-Φ25
	450	510		615	565	532	32-4	20-Φ25
	500	540		670	620	585	33-3	20-Φ25
	600	600		780	725	685	36-5	20-Φ30
	700	660		895	840	800	40-5	24-Φ30
	800	720		1010	950	905	44-5	24-Φ34
	1000	840		1220	1160	1115	50-5	28-Φ34
	1200	960		1445	1380	1328	56-5	28-Φ34
	1400	1080		1675	1590	1530	62-5	36-Φ43
1600	1000		1915	1820	1750	68-5	40-Φ49	