

Cast Steel Gate Valves

Class 150, Class 300, Class 600

Gate Valves



Technical Data

Features

- **General** Cast Steel Gate Valves have been designed and manufactured of API 600 - ISO 104 34 / BS 1414/ API 603 / API6D-ISO 14313 /ASME B 16.34
- Face to Face and End to End dimensions conform to ASME B 16.10/ ISO 5752/ BS 2080/ DIN
- End flange dimensions conform to ASME B 16.5/ ISO 7005-1 / API 605 / BS 3293/ DIN
- Buttweld end dimensions conform to ASME B 16.25
- The stem nut design allows for the removal of the hand-wheel while keeping the Stem and Gate in a fixed position.
- Anti-frictional Ball bearings are provided in higher sizes and classes.
- The strength of Stem to Gate connection is stronger than the strength of the Stem at the root of the operating thread
- Outside screw and yoke construction
- All the valves provided with backseat arrangement
- Bi-directional shut-off
- The gland is of self aligning two piece type
- Deep stuffing box - Body ports are streamlined, permitting unobstructed flow, reduces turbulence, results in lower pressure drop & lower erosion
- The Seat-rings are cylindrical bottom seated type having ample cross section for strength is provided with welded in and threaded Seat-rings will be supplied on request. In case of SS valves the Seat-rings are integral to Body
- The Body to Bonnet joint is flat in ISO PN 20/ ASME 150# valves, a male and female joint is used in PN 50/ 300# & PN 110/600# and ring joint is used in higher classes

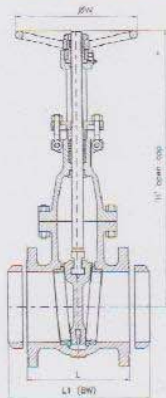
Options

- Solid, flexible, split wedge, double disc and parallel Slide Gate configurations available
- For low temperature and cryogenic services (cold box and non-cold box applications) extended bonnet as per BS 6364 available
- Locking arrangement
- Gear, Electrical, Hydraulic or Pneumatic actuator available

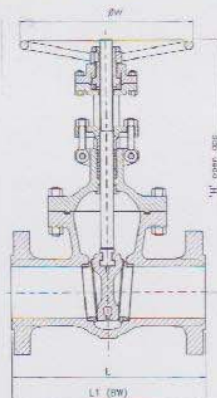
DynaFluid Valves and Flow Controls Pvt, Ltd.

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Class 150



Class 300/600



Part Name Material Option

Materials	Body	ASTM A 216WBC / A 217 Wc6 / A 217 Wc9 / A 217 C5 / A 217 C12 / A 351 Cf8 / A 351 CF8M / A 351 Fc3 A 351 CF3M A / 352 LCB
	Bonnet	ASTM A 216WBC / A 217 Wc6 / A 217 Wc9 / A 217 C5 / A 217 C12 / A 351 Cf8 / A 351 CF8M / A 351 Fc3 A 351 CF3M A / 352 LCB
	Wedge**	ASTM A 216WBC / A 217 Wc6 / A 217 Wc9 / A 217 C5 / A 217 C12 / A 351 Cf8 / A 351 CF8M / A 351 Fc3 A 351 CF3M A / 352 LCB
	Stem	ASTM A 27610 / 276 304 / 304L / 316L
	Seat Rings**	ASTM A 216WBC / A 217 Wc6 / A 217 Wc9 / A 217 C5 / A 217 C12 / A 351 Cf8 / A 351 CF8M / A 351 Fc3 A 351 CF3M A / 352 LCB
	Back Seat Bushing	ASTM A 276410 / A 276304 / A 276304L / A 276316L
	Gland	ASTM A 276410 / A 276304 / A 276304L / A 276316L
	Grand Flange	Carbon Steel / Stainless Steel
	Stem Nut	ASTM A 439 Gr.D2 / Al.Bronze
	Lock Nut	Carbon Steel / SS 304
	Gland Packing	Grapholi / PTFE
	Bonnet Gasket	Corrugated Soft Iron / Corrugated SS / Sprial Wound SS 340 with Asbestos or Graphoil
	Gland Eye- Bolt& Nut	Carbon Steel / Stainless Steel
	Cross Bolt & Nuts	Carbon Steel / Stainless Steel
	Hand Wheel	Carbon Steel
	Hand Wheel Nut	Carbon Steel
	Grease Nipple	Carbon Steel
	Grub Screw	Carbon Steel
Dimensions	Stude /Bolt	ASTM A 193 B7 / A 193 B7M / A 193 BBM / A 320 L7
	Nut	ASTM A 194 2H / A 1948 / A 194 8M / A 194 4 / 7

Gate Valve - ASME Class 150 / ISO PN 20

Dimensions	SIZE DIN	25	40	50	65	80	100	150	200	250	300
	L-RF	127	165	178	190.5	230	229	267	292	330	355
	L1-BW	127	165	216	241	282	304	403	419	475	501
	H (Approx)	250	330	425	432	530	585	780	1008	1245	1375
	lDia W	150	150	200	200	250	250	300	350	500	500
	Wt (Approx) Kg	8	14	19	29	31	65	135	220	370	510

Gate Valve - ASME Class 300 / ISO PN 50

Dimensions	SIZE DIN	25	40	50	65	80	100	150	200	250	300
	L-RF	165	190.5	216	241	282	305	403	419	457	502
	L1-BW	165	190.5	216	241	282	305	403	419	457	502
	H (Approx)	252	335	425	478	532	608	850	1078	1270	1428
	lDia W	150	150	200	200	250	300	350	450	500	500
	Wt (Approx) Kg	8	14	19	29	31	65	135	220	370	510

Gate Valve - ASME Class 600 / ISO PN 110

Dimensions	SIZE DIN	25	40	50	65	80	100	150	200	250	300
	L-RF	216	241	292	330	356	431	559	660	787	838
	L1-BW	216	241	292	330	356	431	559	660	787	838
	H (Approx)	299	380	425	488	555	600	695	955	1145	1330
	lDia W	250	250	200	300	300	350	500	600	600	400**
	Wt (Approx) Kg	22	29	40	60	68	120	2.30	430	695	850



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