

SG-22 slab gate valve

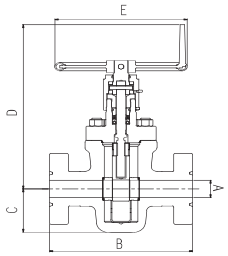
With reliable performance and double direction sealing structure, SG-22 forged slab gate valve can perform well when used in high pressure service condition. In addition, It can be used in oil field wellhead, X-mass tree and manifold system where pressure are in range of 2000psi to 20000psi.

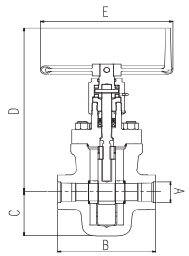
Design Specification

Standard SG-22 gate valve can meet requirements in API 6A and API 6D SSV. The previous expanding wedge is replaced by rigid flat wedge. The medium, H_2S material can be used in accordance with the latest NACE MR-01-75 specification.

- forged steel valve body/valve bonnet
- low operation torque
- metal to metal valve body/valve bonnet seal
- metal to metal wedge/valve seat seal
- add lubricant nozzle to realize maintenance
- wedge guidance design can lubricate the wedge and protect the surface of wedge
- hydraulic actuator and pneumatic actuator designed to realize automatical operation
- Simple and reliable structure, low cost
- flange or thread connection







Size	Working Pressure Rating(psi)	A(mm)	Flange End B(mm)	Thread End B(mm)	C(mm)	D(mm)	E(mm)	API Ring	Flange End WT(kg)	Flange End WT(kg)
1-13/16"	10000	45.97	463.55	-	142.24	375.92	431.80	BX-151	110	-
	15000		457.20	-	149.86				118	
	20000		533.40	-	170.00				205	
2-1/16"	2000	52.32	295.15	241.30	124.46	393.70	254.00	R-23	76	67
	3000		371.35	254.00	129.54		342.90	R-24	98	79
	5000		371.35	254.00	129.54		342.90	R-24	98	79
	10000		520.70	-	154.94		431.80	BX-152	149	-
	15000		482.60	-	165.10		431.80	BX-152	143	-
	20000		584.20	-	196.00		460.00	BX-152	230	-
2-9/16"	2000	65.02	333.25	279.40	144.78	419.10	342.90	R-26	121	111
	3000		422.15		149.86		342.90	R-27	131	119
	5000		422.15		149.86		342.90	R-27	131	119
	10000		565.15	-	172.72		431.80	BX-153	186	-
	15000		533.40	-	195.58		476.25	BX-153	261	-
	20000		673.10	-	239.00		635.00	BX-153	391	-
3-1/16"	10000	77.72	619.25	-	200.66	441.96	476.25	BX-154	235	-
	15000		598.42	-	228.60		476.25	BX-154	273	-
	20000		774.70	-	277.2		635.00	BX-154	497	-
3-1/8"	2000	79.25	358.65	317.50	160.02	441.96	431.80	R-31	163	142
	3000		434.85		170.18			R-31	176	165
	5000		472.95		170.18			R-35	190	165
4-1/16"	2000	103.12	434.85	393.70	200.66	485.14	431.80	R-37	269	231
	3000		511.05		210.82		431.80	R-37	292	262
	5000		549.15		210.82		431.80	R-39	312	262
	10000		670.05	-	248.92		476.25	BX-155	507	-
5-1/8"	2000	130.05	561.85	-	271.78	619.76	476.25	R-41	598	-
	3000		612.65	-	279.40		476.25	R-41	611	-
	5000		726.95	-	279.40		476.25	R-44	629	-
	10000		736.60	-	322.58		635.00	BX-169	693	-
7-1/16"×6"	2000	152.40	561.85	-	363.22	688.34	635.00	R-45	902	-
	3000		612.65	-	3759.20			R-45	926	-
	5000		736.60	-	375.92			R-46	955	-
7-1/16"×6-3/8"	2000	162.05	561.85	-	370.84	693.42	635.00	R-45	915	-
	3000		612.65	-	381.00			R-45	938	-
	5000		736.60	-	381.00			R-46	967	-
7-1/16"	2000	179.32	663.45	-	375.92	701.04	635.00	R-45	937	-
	3000		714.25	-	388.62			R-45	957	-
	5000		812.80	-	388.62			R-46	992	-