Ball Valves

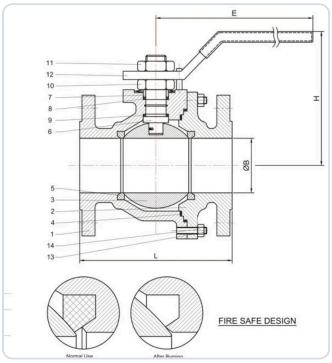
QUARTER-TURN SHUT-OFF

Ball valves are quarter-turn valves that use a bored ball to control flow. Turning the stem 90° aligns the bore with the pipeline to open, or turns it across the flow to close. They offer fast operation, compact construction and tight shut-off. UTC VALVES manufactures and supplies ball valves for isolation duties in oil and gas, process, utility and water services.

Cast steel ball valve



Body material	WCB / WC6 / WC9 / LCB / CF8 / CF8M / CF3 / CF3M
Pressure rating	Class 150 to 1500
Design standard	BS 5351 / ASME B16.34 / API 607 (fire-safe design)
Inspection & testing	API 598 / BS EN 12266-1
End connection	Flanged / screwed / socket weld
Size range	½" to 10"
Seats	PTFE / graphite-filled PTFE
Options	Single, two or three piece; fire-safe or non-fire-safe



Weights and dimensions are for reference only. Final data is confirmed in the quotation and approved drawings.

Dimensions & technical details (mm)

Parameter	Class	½"	¾"	1"	1¼"	1½"	2"	3"	4"	6"	8"
Face to face (L)	**150#**	108	117	127	140	165	178	203	229	267	292
	300#	140	152	165	178	190	316	282	305	403	502
	600#	165	190	216	229	241	292	356	432	559	660
Port dia. (ØB)	**150#**	12.5	17	24	37	49	64	75	98	148	198
	300#	12.5	17	24	37	49	64	75	98	148	198
	600#	12.5	17	24	37	49	64	75	98	148	198
Height (H) approx.	**150#**	65	70	80	95	110	135	145	170	235	275
	300#	70	85	90	105	120	145	160	195	250	290
	600#	76	108	111	130	137	170	184	228	250	290
Length (E)	**150#**	150	155	160	180	200	225	325	350	500	600
	300#	155	160	180	200	225	325	350	500	600	700
	600#	–	–	–	–	–	–	–	–	–	–
Weight (kg) approx.	**150#**	3	4	5	8	12	21	26	43	80	155
	300#	3	5	7	13	15	28	32	55	105	170
	600#	–	–	–	–	–	–	–	–	–	–

Material list

No.	Part	Material (ASTM specification)
1	Body	WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB
2	Side piece	WCB / WC6 / WC9 / CF8 / CF8M / CF3 / CF3M / LCB
3	Ball	CF8 / CF8M / F304 / F316 / F6a
4	Body seal	PTFE / Graphoil / Spiral Wound SS 316 with Graphoil
5	Seats	PTFE / Graphite Filled PTFE
6	Stem	SS 410 / SS 304 / SS 316L
7	Gland bush	SS 304 / SS 316L
8	Gland packing	PTFE Graphoil
9	Gland nut	Graphoil / Graphite Filled PTFE
10	Stem nut	Stainless Steel
11	Stem nut	Stainless Steel
12	Lever	Carbon Steel with PVC
13	Stud	B7 / B8 / B8M / L7
14	Nut	2H / 8 / 8M / 7

UTC VALVES

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Send us your enquiry

Share the valve type, size, pressure class, materials, end connections, quantity and any project specification or drawing. Our team reviews every enquiry and responds with availability and a quotation.

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