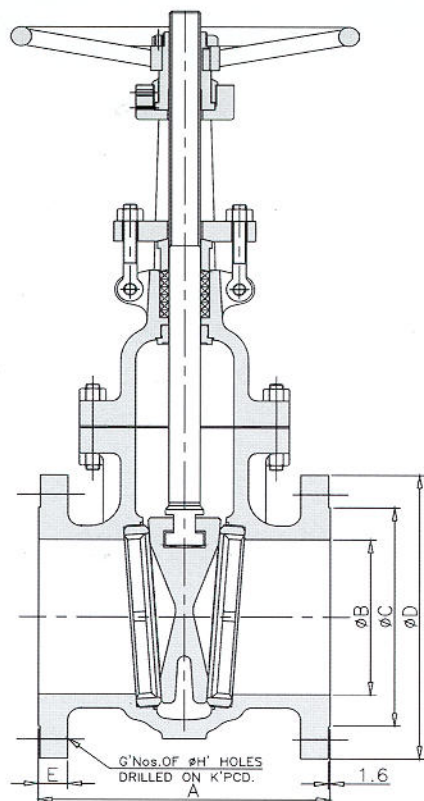


DESIGN FEATURES:-

- 1) MFG. STD. BS 1414, API 600, API 6D, ANSI B16.34
- 2) FACE TO FACE AS PER ANSI B16.10
- 3) FLANGE ENDS AS PER ANSI B16.5
- 4) TESTED AS PER BS 6755, API 598
- 5) AVAILABLE WITH ACTUATOR OPERATOR
- 6) AVAILABLE WITH EXTENSION STEM

Material of Construction

Sr No.	Part	Qty.	Material	Specification
1	Body	1	Cast Carbon Steel	ASTM-A-216 Gr. WCB
2	Seat Ring	2	Carbon Steel Faced with 13% Cr. Steel	
3	Wedge	1	ASTM-A-216 Gr. WCB Faced with 13% Cr. Steel	
4	Spindle	1	Stainless Steel	AISI-410
5	Gasket	1	Corrugated Soft IRON/CAF	
6	Bonnet	1	Cast Carbon Steel	ASTM-A-216 Gr. WCB
7	Bonnet Stud Nut	REQ.	Carbon Steel	ASTM-A-194 Gr.2H
8	Bonnet Stud	AS	Alloy Steel	ASTM-A-193 Gr.B7
9	Bonnet Bush	1	Stainless Steel	AISI-410
10	Gland Packing	Min.6	Graphoil/Braided Asbestos	
11	Cross Bolt Nut	2	Carbon Steel	I.S.1367
12	Cross Bolt	2	Carbon Steel	I.S.1367
13	Gland Bush	1	Stainless Steel	AISI-410
14	Gland Flange	1	Carbon Steel	I.S.2062
15	Eye Bolt Nut	2	Carbon Steel	I.S.1367
16	Eye Bolt	2	Carbon Steel	I.S.1367
17	Yoke Sleeve	1	S.G. Iron / NI Resist / AL. Bronze	
18	Grease Nipple	1	Carbon Steel	I.S.1367
19	Yoke Bush	1	Carbon Steel	I.S.1570
20	Hand Wheel	1	Fabricated Steel	I.S.2062
21	Hand Wheel Key	1	Carbon Steel	I.S.2045
22	Hand Wheel Nut	1	Fabricated Steel	I.S.1560
23	Grub Screw	1	Carbon Steel	I.S.1367



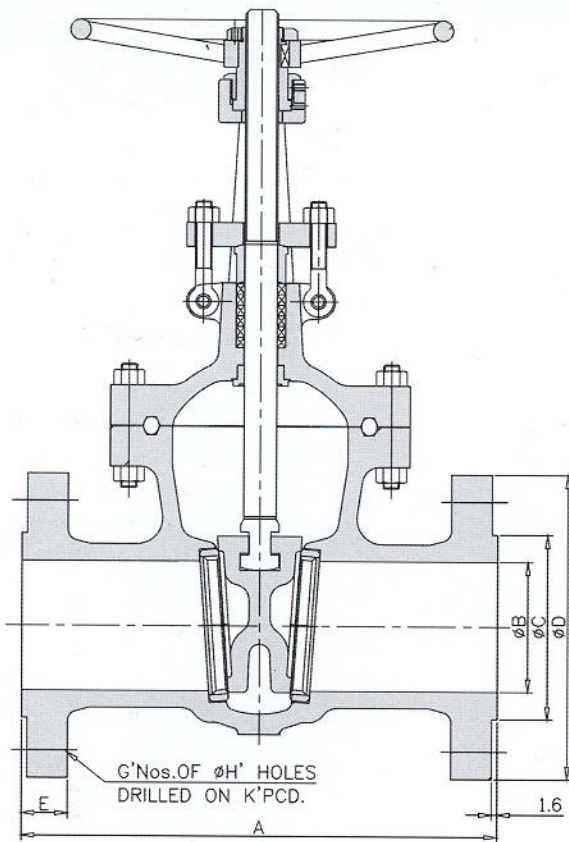
DESIGN FEATURES:-

- 1) MFG. STD. BS 1414, API 600, API 6D, ANSI B16.34
- 2) FACE TO FACE AS PER ANSI B16.10
- 3) FLANGE ENDS AS PER ANSI B16.5
- 4) TESTED AS PER BS 6755, API 598
- 5) AVAILABLE WITH ACTUATOR OPERATOR
- 6) AVAILABLE WITH EXTENSION STEM

Class-150

Size (NB)	A	B	C	D	E	G	H	K
2" (50)	178	50	91.9	152.4	19.1	4	19.1	120.7
2-1/2" (65)	191	63	104.6	177.8	22.4	4	19.1	139.7
3" (80)	203	76	127.0	190.5	23.9	4	19.1	152.4
4" (100)	229	102	157.2	228.6	23.9	8	19.1	190.5
5" (125)	254	127	185.7	254.0	23.9	8	22.4	215.9
6" (150)	267	152	215.9	279.4	25.4	8	22.4	241.3
8" (200)	292	203	269.7	342.9	28.4	8	22.4	298.5
10" (250)	330	254	323.9	406.4	30.2	12	25.4	362.0
12" (300)	355	305	381.0	482.6	31.8	12	25.4	431.8
14" (350)	381	337	412.8	533.4	35.1	12	28.4	476.3
16" (400)	406	387	469.9	596.9	36.6	16	28.4	539.8
18" (450)	432	438	533.4	635.0	39.6	16	31.8	577.9
20" (500)	457	489	584.2	698.5	42.9	20	31.8	635.0
24" (600)	508	590	692.2	812.8	47.8	20	35.1	749.3

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to 2change.



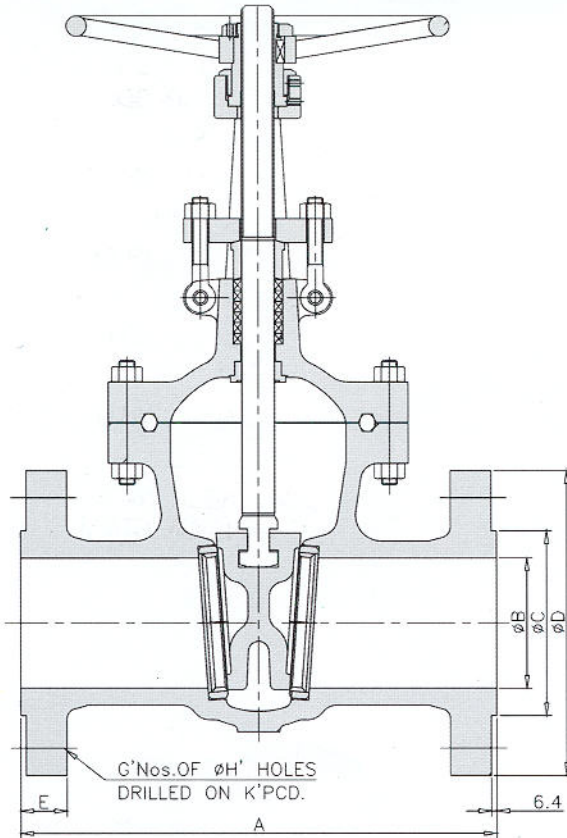
DESIGN FEATURES:-

- 1) MFG. STD. BS 1414, API 600, API 6D, ANSI B16.34
- 2) FACE TO FACE AS PER ANSI B16.10
- 3) FLANGE ENDS AS PER ANSI B16.5
- 4) TESTED AS PER BS 6755, API 598
- 5) AVAILABLE WITH ACTUATOR OPERATOR
- 6) AVAILABLE WITH EXTENSION STEM

Class-300

Size (NB)	A	B	C	D	E	G	H	K
2" (50)	216	51	91.9	165.1	22.4	8	19.1	127.0
2-1/2" (65)	241	63	104.6	190.5	25.4	8	22.2	149.4
3" (80)	282	76	127.0	209.6	28.4	8	22.4	168.1
4" (100)	305	102	157.2	254.0	31.8	8	22.4	200.2
5" (125)	381	127	185.7	279.4	35.1	8	22.4	235.0
6" (150)	403	152	215.9	317.5	36.6	12	22.4	269.7
8" (200)	419	203	269.7	381.0	41.1	12	25.4	330.2
10" (250)	457	254	323.9	444.5	47.8	16	28.4	387.4
12" (300)	502	305	381.0	520.7	50.8	16	31.8	450.9
14" (350)	762	337	412.8	584.2	53.8	20	31.8	514.4
16" (400)	838	387	469.9	647.7	57.2	20	35.1	571.5
18" (450)	9.4	431	533.4	711.2	60.5	24	35.1	628.7
20" (500)	990	482	584.2	774.7	63.5	24	35.1	685.8
24 (600)	1143	584	692.2	914.4	69.9	24	41.1	812.8

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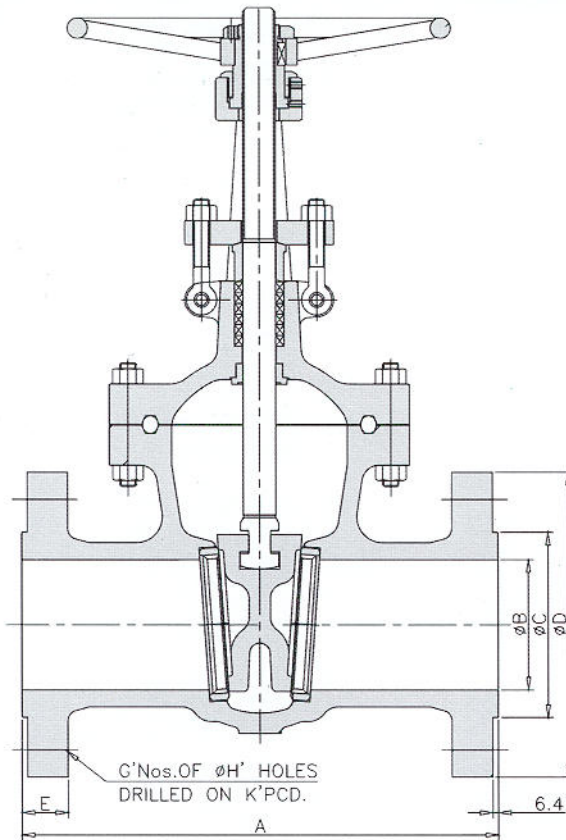
DESIGN FEATURES:-

- 1) MFG. STD. BS 1414, API 600, API 6D, ANSI B16.34
- 2) FACE TO FACE AS PER ANSI B16.10
- 3) FLANGE ENDS AS PER ANSI B16.5
- 4) TESTED AS PER BS 6755, API 598
- 5) AVAILABLE WITH ACTUATOR OPERATOR
- 6) AVAILABLE WITH EXTENSION STEM

Class-600

Size (NB)	A	B	C	D	E	G	H	K
2" (50)	292	51	91.9	165.1	31.8	8	19.1	127.0
2-1/2" (65)	330	63	104.6	190.5	34.9	8	22.2	149.4
3" (80)	356	76	127.0	209.6	38.1	8	22.2	168.1
4" (100)	432	102	157.2	273.1	44.5	8	25.4	215.9
5" (125)	508	127	185.7	330.2	50.8	8	28.6	266.7
6" (150)	559	152	215.9	355.6	54.2	12	28.6	292.1
8" (200)	660	200	269.7	419.1	62.0	12	31.8	349.3
10" (250)	787	248	323.9	508.0	69.9	16	35.1	431.8
12" (300)	838	298	381.0	558.8	73.0	20	35.1	489.0

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.



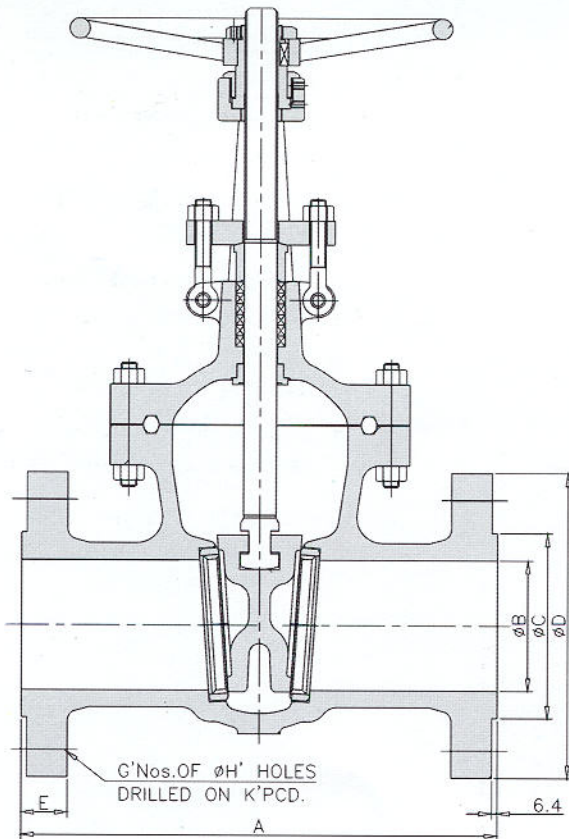
DESIGN FEATURES:-

- 1) MFG. STD. BS 1414, API 600, API 6D, ANSI B16.34
- 2) FACE TO FACE AS PER ANSI B16.10
- 3) FLANGE ENDS AS PER ANSI B16.5
- 4) TESTED AS PER BS 6755, API 598
- 5) AVAILABLE WITH ACTUATOR OPERATOR
- 6) AVAILABLE WITH EXTENSION STEM

Class-900

Size (NB)	A	B	C	D	E	G	H	K
2" (50)	368	48	91.9	215.9	44.5	8	25.4	165.1
2-1/2" (65)	419	60	104.6	244.3	47.6	8	28.6	190.5
3" (80)	381	73	127.0	241.3	44.5	8	25.4	190.5
4" (100)	457	98	157.2	292.1	50.8	8	31.8	235.0
5" (125)	559	124	185.7	349.3	57.1	8	35.0	279.4
6" (150)	559	152	215.9	355.6	54.2	12	28.6	292.1
8" (200)	660	200	269.7	419.1	62.0	12	31.8	349.3
10" (250)	787	248	323.9	508.0	69.9	16	35.1	431.8
12" (300)	838	298	381.0	558.8	73.0	20	35.1	489.0

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.



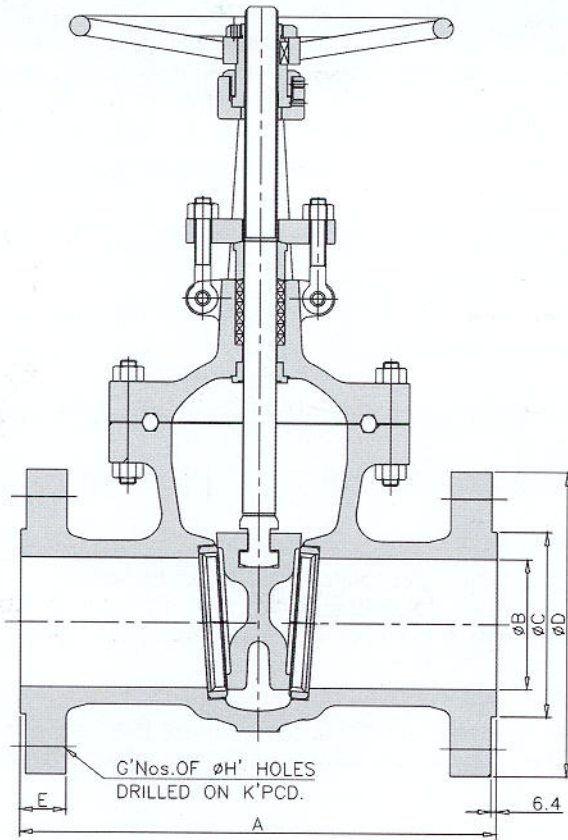
DESIGN FEATURES:-

- 1) MFG. STD. BS 1414, API 600, API 6D, ANSI B16.34
- 2) FACE TO FACE AS PER ANSI B16.10
- 3) FLANGE ENDS AS PER ANSI B16.5
- 4) TESTED AS PER BS 6755, API 598
- 5) AVAILABLE WITH ACTUATOR OPERATOR
- 6) AVAILABLE WITH EXTENSION STEM

Class-1500

Size (NB)	A	B	C	D	E	G	H	K
2" (50)	368	48	91.9	215.9	44.5	8	25.4	165.1
2-1/2" (65)	419	57	104.6	244.3	47.6	8	28.6	190.5
3" (80)	470	70	127.0	266.7	53.9	8	31.8	203.2
4" (100)	546	92	157.2	311.2	60.3	8	34.9	241.3
5" (125)	673	120	185.7	374.7	79.3	8	41.3	292.1
6" (150)	705	137	215.9	393.7	89.0	12	38.1	317.5
8" (200)	832	178	269.7	482.6	98.3	12	44.5	393.7
10" (250)	991	222	323.9	584.2	114.5	12	50.8	482.6
12" (300)	1130	264	381.0	673.1	130.3	16	54.0	571.5

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.



DESIGN FEATURES:-

- 1) MFG. STD. BS 1414, API 600, API 6D, ANSI B16.34
- 2) FACE TO FACE AS PER ANSI B16.10
- 3) FLANGE ENDS AS PER ANSI B16.5
- 4) TESTED AS PER BS 6755, API 598
- 5) AVAILABLE WITH ACTUATOR OPERATOR
- 6) AVAILABLE WITH EXTENSION STEM

Class-2500

Size (NB)	A	B	C	D	E	G	H	K
2" (50)	451	38	91.9	235.0	57.2	8	28.6	171.5
2-1/2" (65)	508	48	104.6	266.7	63.5	8	31.8	196.9
3" (80)	578	57	127.0	304.8	73.0	8	34.9	228.6
4" (100)	673	73	175.2	355.6	82.6	8	41.6	273.0
5" (125)	794	92	185.7	419.1	98.4	8	47.6	323.9
6" (150)	914	111	215.9	482.6	114.3	8	54.0	368.3
8" (200)	1022	146	269.7	552.5	133.4	12	54.0	438.1
10" (250)	1270	184	323.9	673.1	171.5	12	66.7	539.8
12" (300)	1422	219	381.0	762.0	190.5	16	73.0	619.4

All dimensions are in millimeters unless otherwise specified. Dimensions are for reference only, subject to change.