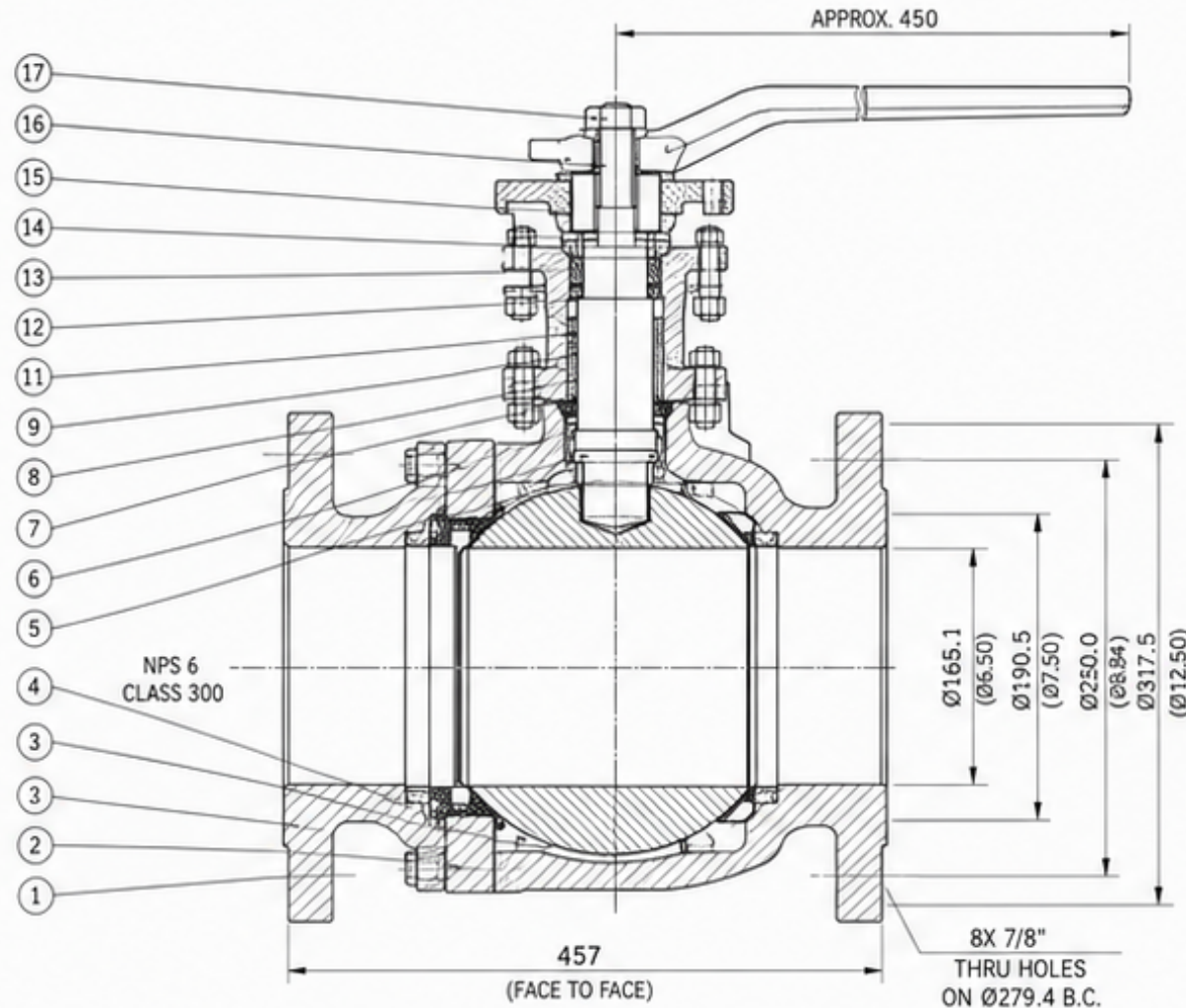
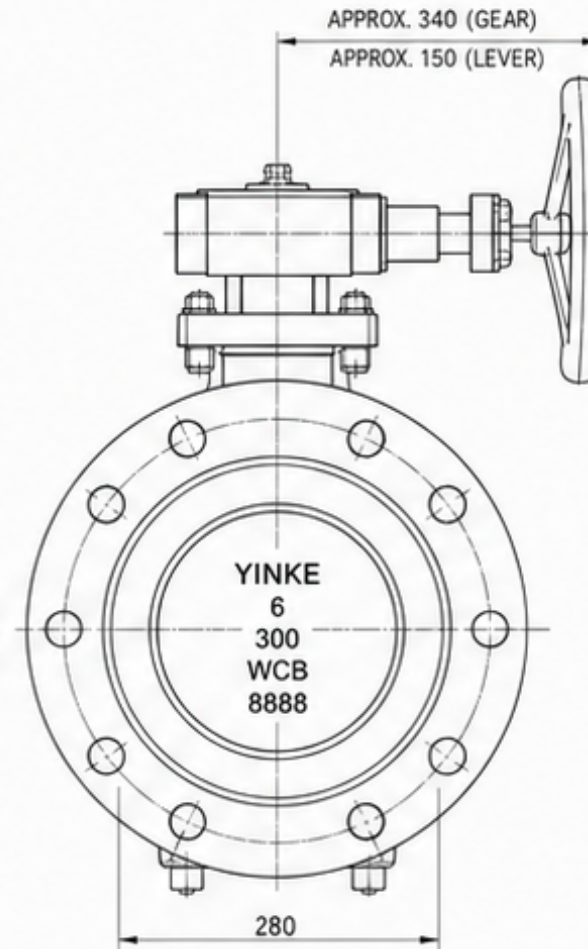


A. SIDE SECTION VIEW (VALVE IN CLOSED POSITION)



B. END VIEW (FLANGE INTERFACE)



GENERAL NOTES:

1. DESIGN AND MANUFACTURE: API 6D
2. FACE TO FACE: ASME B16.10
3. FLANGE ENDS: ASME B16.5
4. TEST & INSPECTION: API 598
5. FIRE TEST: API 6FA (Upon Request)
6. NACE MR0175/ISO 15156 (Upon Request)
7. PRESSURE TEMPERATURE RATING PER ASME B16.34
8. WEIGHT & DIMENSIONS ARE FOR REFERENCE ONLY

SPECIFICATIONS

VALVE TYPE	FLOATING BALL VALVE
DESIGN STANDARD	API 6D
PRESSURE RATING	ASME CLASS 300
SIZE	6" (DN150)
END CONNECTION	RF FLANGED
FACE TO FACE	ASME B16.10
FLANGE STANDARD	ASME B16.5
TEST STANDARD	API 598
BODY MATERIAL	ASTM A216 WCB
BALL MATERIAL	ASTM A105 + ENP
STEM MATERIAL	ASTM A276 410
SEAT MATERIAL	PTFE
OPERATION	LEVER / GEAR OPERATOR

MATERIAL LIST

NO.	PART NAME	MATERIAL	ASTM SPEC.	QTY.
17	HANDLE (LEVER)	CARBON STEEL	A36	1
16	HANDLE NUT	CARBON STEEL	A194 2H	1
15	GLAND FLANGE	ASTM A216 WCB	A216 WCB	1
14	STEM NUT	CARBON STEEL	A194 2H	1
13	PACKING	GRAPHITE	--	AS REQ.
12	GLAND RING	ASTM A276 410	A276 410	2
11	BONNET	ASTM A216 WCB	A216 WCB	1
10	BONNET BOLT	ASTM A193 B7	A193 B7	4 SETS
9	STEM	ASTM A276 410	A276 410	1
8	THRUST WASHER	PTFE	--	1
7	BALL	ASTM A105 + ENP	A105 + ENP	1
6	SEAT (BALL)	PTFE	--	2
5	BODY	ASTM A216 WCB	A216 WCB	1
4	END CAP	ASTM A216 WCB	A216 WCB	1
3	END CAP BOLT	ASTM A193 B7	A193 B7	4 SETS
2	GASKET	SPIRAL WOUND SS304 + GRAPHITE	--	2
1	BODY SEAL RING	SS316	A276 316	2

DIMENSIONS & WEIGHT (REFERENCE)

NOMINAL SIZE	6" (DN150)
FACE TO FACE (RF)	457 mm
FLANGE OUTER DIAMETER	317.5 mm
BOLT CIRCLE DIAMETER	279.4 mm
HOLE DIAMETER	22.2 mm (7/8")
NUMBER OF HOLES	8
WEIGHT (APPROX.)	110 kg

NOTES: DIMENSIONS ARE IN MILLIMETERS.

PRESSURE - TEMPERATURE RATINGS (ASME B16.34)

RATING: CLASS 300	
TEMPERATURE (°C)	MAX. ALLOWABLE PRESSURE (MPa)
-29 ~ 38	7.62
93	7.03
149	6.48
204	5.62
260	4.58
316	3.21
343	2.76

TEST PRESSURE (API 598)

SHELL TEST (WATER)	11.2 MPa
SEAT TEST (WATER)	8.2 MPa
SEAT TEST (AIR)	0.6 MPa
BACK SEAT TEST (AIR)	0.6 MPa

FIRE TEST (API 6FA) (Upon Request)

DESIGN AND MANUFACTURE IN
ACCORDANCE WITH API 6FA.
FIRE SAFE TO API 607 7th ED.
(Upon Request)

RATING: CLASS 300

NOTE:

1. DIMENSIONS AND MATERIALS
SUBJECT TO CHANGE WITHOUT NOTICE.
2. THIS DRAWING IS FOR REFERENCE ONLY.
3. FOR APPROVED DRAWING,
PLEASE REFER TO ORDER DOCUMENT.

DRAWING TYPE	GA DRAWING
REVISION	0
DATE	18-MAY-2025
SCALE	NTS
DRAWN BY	YKV ENG
CHECKED BY	QA DEPT

MANUFACTURER	CHINA YINKE VALVE CO., LIMITED	VALVE DESCRIPTION				BODY MATERIAL	ASTM A216 WCB	GA DRAWING		REV.
CUSTOMER	CONFIDENTIAL					BALL MATERIAL	ASTM A105 + ENP			0
PROJECT	PUBLIC ENGINEERING EVIDENCE					SEAT MATERIAL	PTFE			SHEET
SERVICE	WATER / OIL / GAS / GENERAL					STEM MATERIAL	ASTM A276 410			
TAG NO.	---					OPERATION	LEVER / GEAR OPERATOR			
		SIZE	PRESSURE RATING	END CONNECTION	BORE	DRAWING NO.	YKV-BV-300-06-RF-00			1 OF 1
		6" (DN150)	ASME CLASS 300	RF FLANGED	FULL BORE					