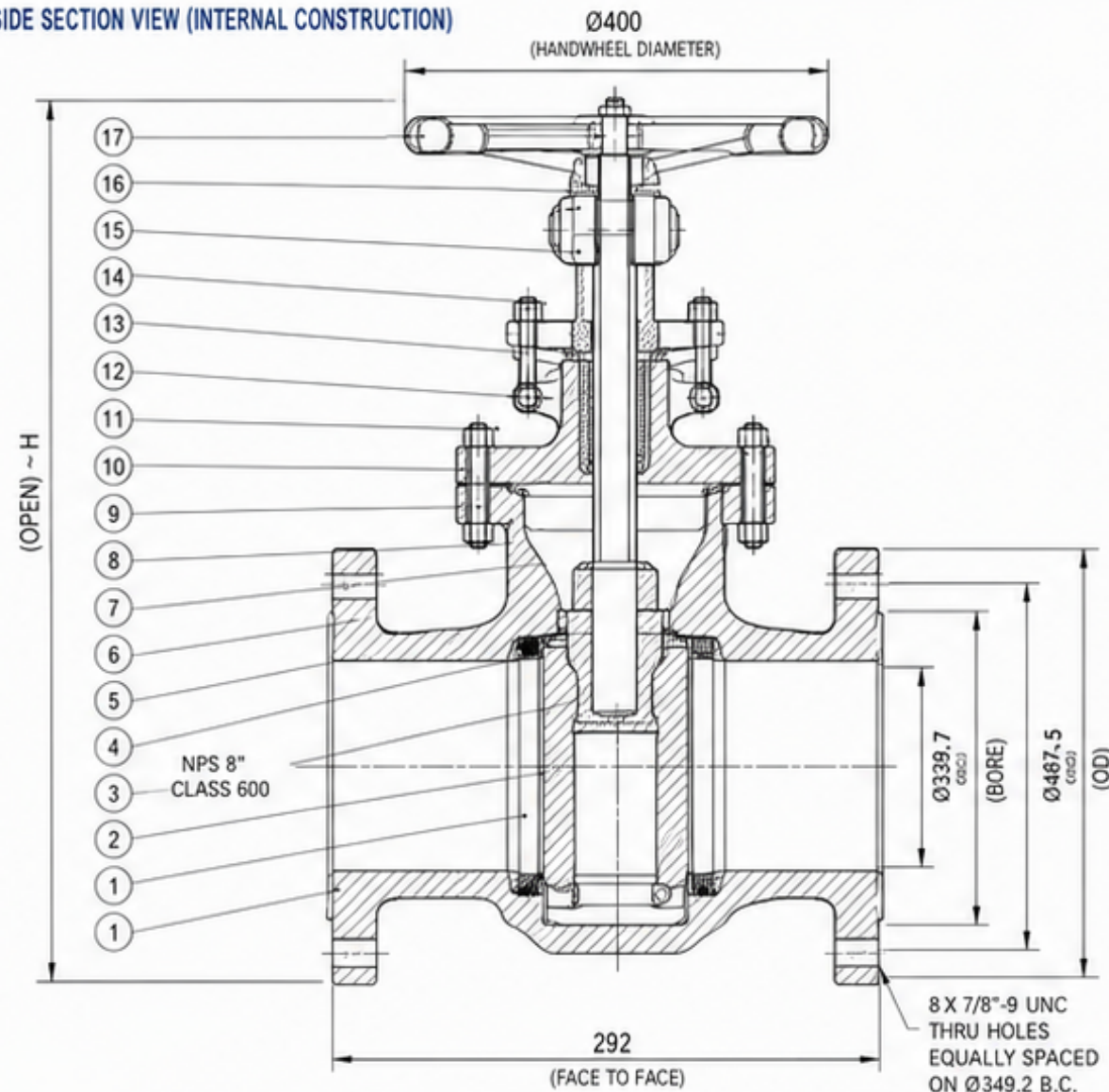
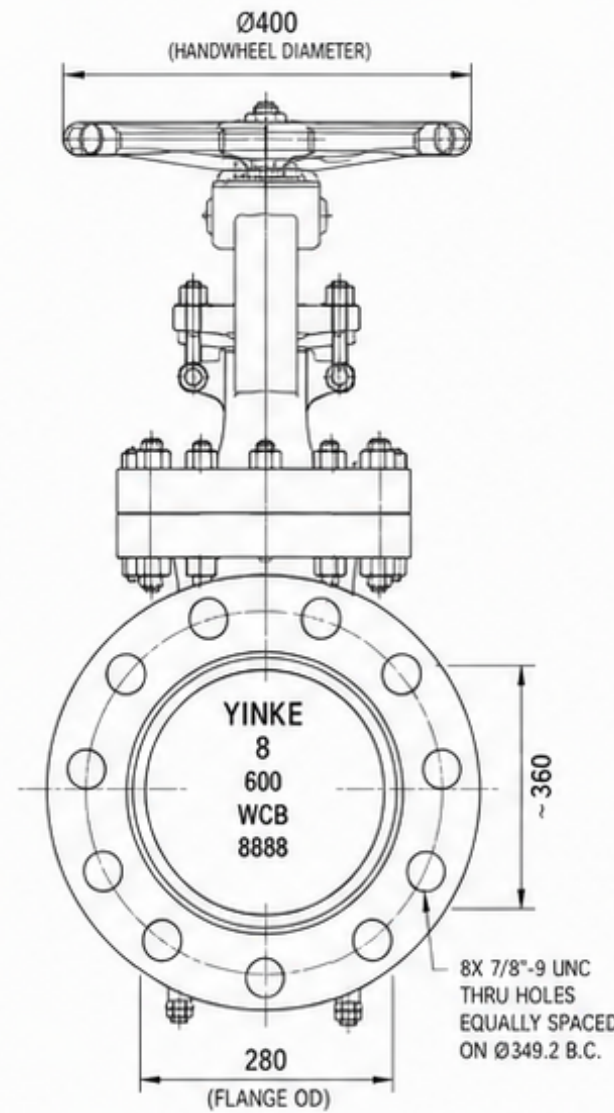


A. SIDE SECTION VIEW (INTERNAL CONSTRUCTION)



B. END VIEW (RF FLANGE INTERFACE)



GENERAL NOTES:

- DESIGN AND MANUFACTURE: API 600 / ASME B16.34
- FACE TO FACE: ASME B16.10
- FLANGE ENDS: ASME B16.5
- TEST & INSPECTION: API 598
- FIRE TEST: API 6FA (Upon Request)
- NACE MR0175/ISO 15156 (Upon Request)
- DIMENSIONS ARE IN MILLIMETERS (mm)
- WEIGHT & HEIGHT ARE FOR REFERENCE ONLY

SPECIFICATIONS

VALVE TYPE	BOLTED BONNET GATE VALVE
DESIGN STANDARD	API 600
PRESSURE RATING	ASME CLASS 600
SIZE	8" (DN200)
END CONNECTION	RF FLANGED
FACE TO FACE	ASME B16.10
FLANGE STANDARD	ASME B16.5
TEST STANDARD	API 598
BODY MATERIAL	ASTM A216 WCB
TRIM MATERIAL	13Cr / STL + HF
SEAT MATERIAL	STELLITE 6
OPERATION	HANDWHEEL

MATERIAL LIST

NO.	PART NAME	MATERIAL	ASTM SPEC.	QTY.
17	HANDWHEEL	DUCTILE IRON	A536 65-45-12	1
16	HANDWHEEL NUT	CARBON STEEL	A194 2H	1
15	YOKE SLEEVE	BRONZE	B62 C83600	1
14	YOKE	CARBON STEEL	A216 WCB	1
13	GLAND FLANGE	CARBON STEEL	A216 WCB	1
12	GLAND BOLT	CARBON STEEL	A193 B7	2
11	GLAND	CARBON STEEL	A216 WCB	1
10	PACKING	GRAPHITE	---	AS REQ.
9	STEM	13Cr	A182 F6a	1
8	BONNET	CARBON STEEL	A216 WCB	1
7	BONNET BOLT	ALLOY STEEL	A193 B7	AS REQ.
6	GASKET	SPIRAL WOUND	SS316 + GRAPHITE	1
5	WEDGE (DISC)	CARBON STEEL	A216 WCB	1
4	SEAT RING	STELLITE 6	---	2
3	BODY	CARBON STEEL	A216 WCB	1
2	BODY SEAT RING	STELLITE 6	---	2
1	BODY	CARBON STEEL	A216 WCB	1

DIMENSIONS & WEIGHT	
NOMINAL SIZE	8" (DN200)
FACE TO FACE (RF)	292 mm
HEIGHT (APPROX.) (OPEN)	~910 mm
HANDWHEEL DIAMETER	Ø400 mm
FLANGE OUTER DIAMETER	Ø444.5 mm
FLANGE THICKNESS	44.5 mm
BOLT CIRCLE DIAMETER	Ø349.2 mm
NUMBER OF BOLTS	8
WEIGHT (APPROX.)	~170 kg

PRESSURE - TEMPERATURE RATINGS	
TEMPERATURE (°C)	ALLOWABLE PRESSURE (MPa)
	CLASS 600
-29 ~ 38	10.3
93	8.9
149	7.7
204	6.4
260	5.2
316	4.3
343	3.8

TEST PRESSURE (API 598)	
SHELL TEST (WATER)	15.5 MPa
SEAT TEST (WATER)	11.4 MPa
SEAT TEST (AIR)	0.6 MPa
BACK SEAT TEST (AIR)	0.6 MPa

NOTE:

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

DRAWING TYPE	GA DRAWING
REVISION	0
DATE	28-MAY-2025
SCALE	NTS
DRAWN BY	YKV ENG
CHECKED BY	QA DEPT

PROJECT	---	VALVE DESCRIPTION API 600 BOLTED BONNET GATE VALVE				BODY MATERIAL	ASTM A216 WCB	GA DRAWING	REV.
CUSTOMER	CONFIDENTIAL					TRIM MATERIAL	13Cr / STL + HF		0
P.O. NO.	CONFIDENTIAL					SEAT MATERIAL	STELLITE 6		SHEET
TAG NO.	---	SIZE 8" (DN200)	CLASS 600	END CONNECTION RF FLANGED	OPERATION HANDWHEEL	DRAWING NO.	YKV-GA-600-08-RF-BB-00		1 OF 1