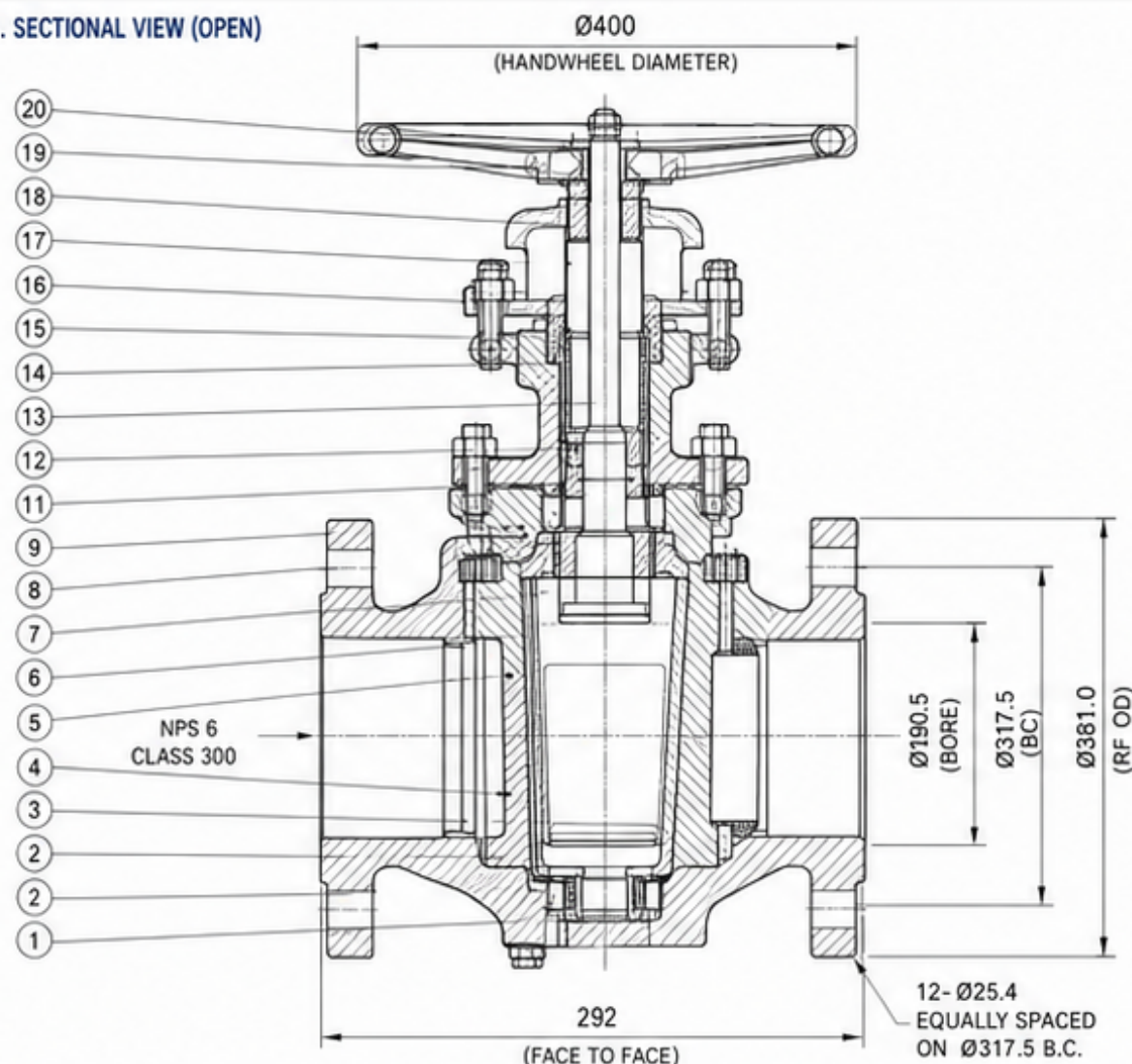
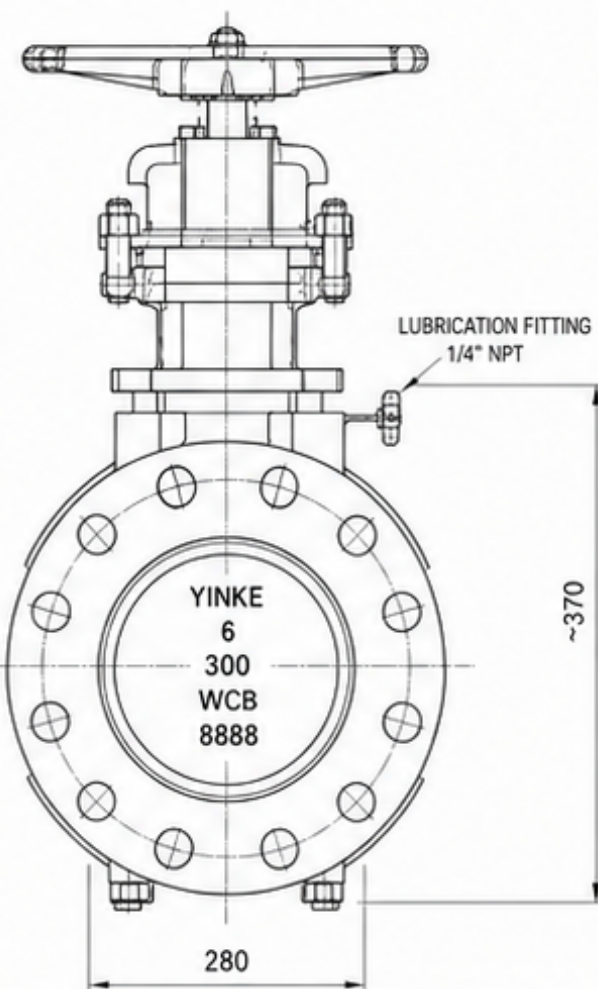


A. SECTIONAL VIEW (OPEN)



B. END VIEW



GENERAL NOTES:

- DESIGN AND MANUFACTURE: API 599 / ASME B16.34
- FACE TO FACE: ASME B16.10
- FLANGE ENDS: ASME B16.5
- TEST & INSPECTION: API 598
- FIRE TEST: API 607 (Upon Request)
- NACE MR0175/ISO 15156 (Upon Request)
- DIMENSIONS ARE IN MILLIMETERS (mm)
- WEIGHT IS APPROXIMATE
- WEIGHT & DIMENSIONS ARE FOR REFERENCE ONLY

SPECIFICATIONS

VALVE TYPE	LUBRICATED PLUG VALVE
DESIGN STANDARD	API 599
PRESSURE RATING	ASME CLASS 300
SIZE	6" (DN150)
END CONNECTION	RF FLANGED
BODY MATERIAL	A216 WCB
PLUG MATERIAL	A216 WCB
SLEEVE MATERIAL	410 SS OVERLAY
SEAT TYPE	LUBRICATED (RISER LUB.)
OPERATION	HANDWHEEL / WRENCH
LUBRICATION	INTEGRAL LUBE SYSTEM

MATERIAL LIST

NO.	PART NAME	MATERIAL	ASTM SPEC.	QTY.
20	HANDWHEEL NUT	CARBON STEEL	A194 2H	1
19	HANDWHEEL	DUCTILE IRON	AS36 65-45-12	1
18	YOKE SLEEVE	BRONZE	B62 C83600	1
17	YOKE	CARBON STEEL	A216 WCB	1
16	GLAND FLANGE	CARBON STEEL	A216 WCB	1
15	GLAND BOLT	ALLOY STEEL	A193 87	2
14	GLAND	CARBON STEEL	A216 WCB	1
13	PACKING	GRAPHITE	---	AS REQ.
12	STEM NUT	BRONZE	B62 C83600	1
11	STEM	13Cr	A182 F6a	1
10	LUBRICATION FITTING	STAINLESS STEEL	A276 316	1
9	COVER	CARBON STEEL	A216 WCB	1
8	COVER BOLT	ALLOY STEEL	A193 87	AS REQ.
7	BODY	CARBON STEEL	A216 WCB	1
6	SLEEVE (SEATING)	410 SS OVERLAY	---	1
5	PLUG	CARBON STEEL	A216 WCB	1
4	PLUG FACING	410 SS OVERLAY	---	1
3	LUBRICATION PASSAGE	CARBON STEEL	A216 WCB	1
2	PIPE PLUG	CARBON STEEL	A105	1
1	BODY DRAIN PLUG	CARBON STEEL	A105	1

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

DIMENSIONS & WEIGHT (CLASS 300 RF)	
NOMINAL SIZE	6" (DN150)
FACE TO FACE (RF)	292 mm
HEIGHT (APPROX.) (OPEN)	~ 740 mm
HANDWHEEL DIAMETER	Ø400 mm
FLANGE OUTER DIAMETER	Ø381.0 mm
FLANGE BOLT CIRCLE	Ø317.5 mm
NUMBER OF BOLTS	12
BOLT HOLE DIAMETER	Ø25.4 mm
WEIGHT (APPROX.)	~ 120 kg

PRESSURE - TEMPERATURE RATINGS	
TEMPERATURE (°C)	PRESSURE RATING (MPa)
	CLASS 300
-29 ~ 38	5.17
93	4.48
149	4.14
204	3.79
260	3.10
316	2.41
343	1.72

TEST PRESSURE (API 598)	
SHELL TEST	7.8 MPa
SEAT TEST (WATER)	5.7 MPa
SEAT TEST (AIR)	0.6 MPa
BACK SEAT TEST (AIR)	0.6 MPa

PROJECT	---	VALVE DESCRIPTION API 599 LUBRICATED PLUG VALVE				BODY MATERIAL	A216 WCB	GA DRAWING	REV.
CUSTOMER	CONFIDENTIAL					PLUG MATERIAL	A216 WCB		0
P.O. NO.	CONFIDENTIAL					SLEEVE MATERIAL	410 SS OVERLAY		SHEET
TAG NO.	---	SIZE	CLASS	END CONNECTION	SEAT TYPE	OPERATION	HANDWHEEL / WRENCH	DRAWING NO.	
		6" (DN150)	300	RF FLANGED	LUBRICATED	LUBRICATION	INTEGRAL LUBE SYSTEM	YKV-GA-599-06-RF-00	1 OF 1