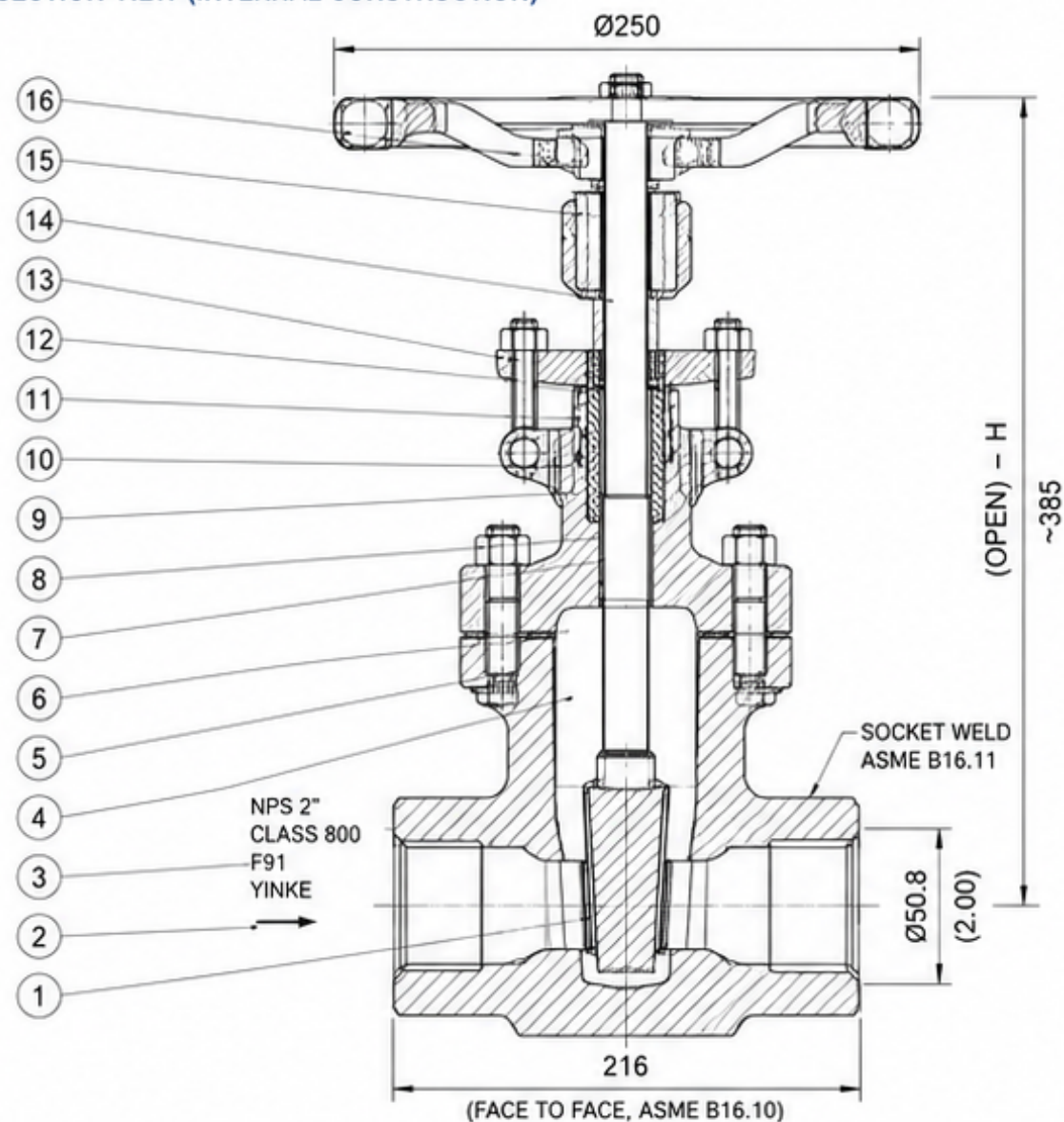
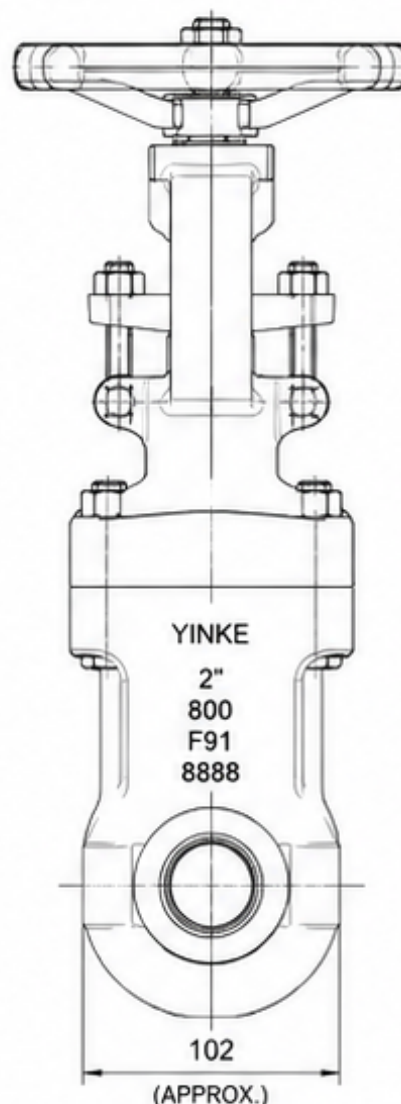


A. SECTION VIEW (INTERNAL CONSTRUCTION)

B. END VIEW (SOCKET WELD END)

GENERAL NOTES:

- DESIGN AND MANUFACTURE: API 602 / ASME B16.34
- FACE TO FACE: ASME B16.10
- SOCKET WELD ENDS: ASME B16.11
- TEST & INSPECTION: API 598
- FIRE TEST: API 6FA (Upon Request)
- NACE MR0175 / ISO 15156 (Upon Request)
- MARKING: MSS-SP-25
- DIMENSIONS ARE IN MILLIMETERS (mm)
- WEIGHT IS APPROXIMATE
- WEIGHT & HEIGHT ARE FOR REFERENCE ONLY

SPECIFICATIONS

VALVE TYPE	FORGED STEEL GATE VALVE
DESIGN STANDARD	API 602
PRESSURE RATING	ASME CLASS 800
SIZE	2" (DN50)
END CONNECTION	SOCKET WELD
BODY MATERIAL	A182 F91
TRIM MATERIAL	A276 410 + STELLITE 6
SEAT MATERIAL	STELLITE 6
OPERATION	HANDWHEEL

MATERIAL LIST

NO.	PART NAME	MATERIAL	ASTM SPEC.	QTY.
16	HANDWHEEL NUT	CARBON STEEL	A194 2H	1
15	HANDWHEEL	DUCTILE IRON	A536 65-45-12	1
14	YOKE SLEEVE	BRONZE	B505 C83600	1
13	YOKE	CARBON STEEL	A216 WCB	1
12	GLAND FLANGE	ALLOY STEEL	A182 F91	1
11	GLAND EYEBOLT	ALLOY STEEL	A193 B7	2
10	GLAND	ALLOY STEEL	A182 F91	1
9	PACKING	GRAPHITE	---	AS REQ.
8	STEM	ALLOY STEEL	A182 F6a	1
7	BONNET	ALLOY STEEL	A182 F91	1
6	BONNET BOLT	ALLOY STEEL	A193 B7	2
5	GASKET	SPIRAL WOUND + GRAPHITE	SS316 + GRAPHITE	1
4	BONNET	ALLOY STEEL	A182 F91	1
3	GATE (WEDGE)	ALLOY STEEL	A182 F91 + STL 6	1
2	SEAT RING	STELLITE 6	---	2
1	BODY	ALLOY STEEL	A182 F91	1

DIMENSIONS & WEIGHT

NOMINAL SIZE	2" (DN50)
FACE TO FACE (P-T)	216 mm
SOCKET WELD BORE	50.8 mm
HEIGHT (APPROX.) (OPEN)	~385 mm
HANDWHEEL DIAMETER	Ø250 mm
WEIGHT (APPROX.)	~38 kg

PRESSURE - TEMPERATURE RATINGS

TEMPERATURE (°C)	PRESSURE RATING (MPa)
	CLASS 800
-29 ~ 38	20.7
93	17.9
204	15.1
316	12.4
343	11.7
399	10.3

TEST PRESSURE (API 598)

SHELL TEST (WATER)	31.0 MPa
SEAT TEST (WATER)	22.8 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

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 API 602 FORGED STEEL GATE VALVE			BODY MATERIAL	ASTM A182 F91	GA DRAWING	REV.
CUSTOMER	CONFIDENTIAL / REDACTED				TRIM MATERIAL	A276 410 + STELLITE 6		0
PROJECT	PUBLIC ENGINEERING EVIDENCE	SIZE 2" (DN50)	PRESSURE RATING ASME CLASS 800	END CONNECTION SOCKET WELD ASME B16.11	OPERATION	HANDWHEEL		SHEET 1 OF 1
STATUS	WEBSITE SAMPLE - NOT FOR FABRICATION				DRAWING NO.	YKV-GA-800-02-SW-F91-00		
TAG NO.	---							