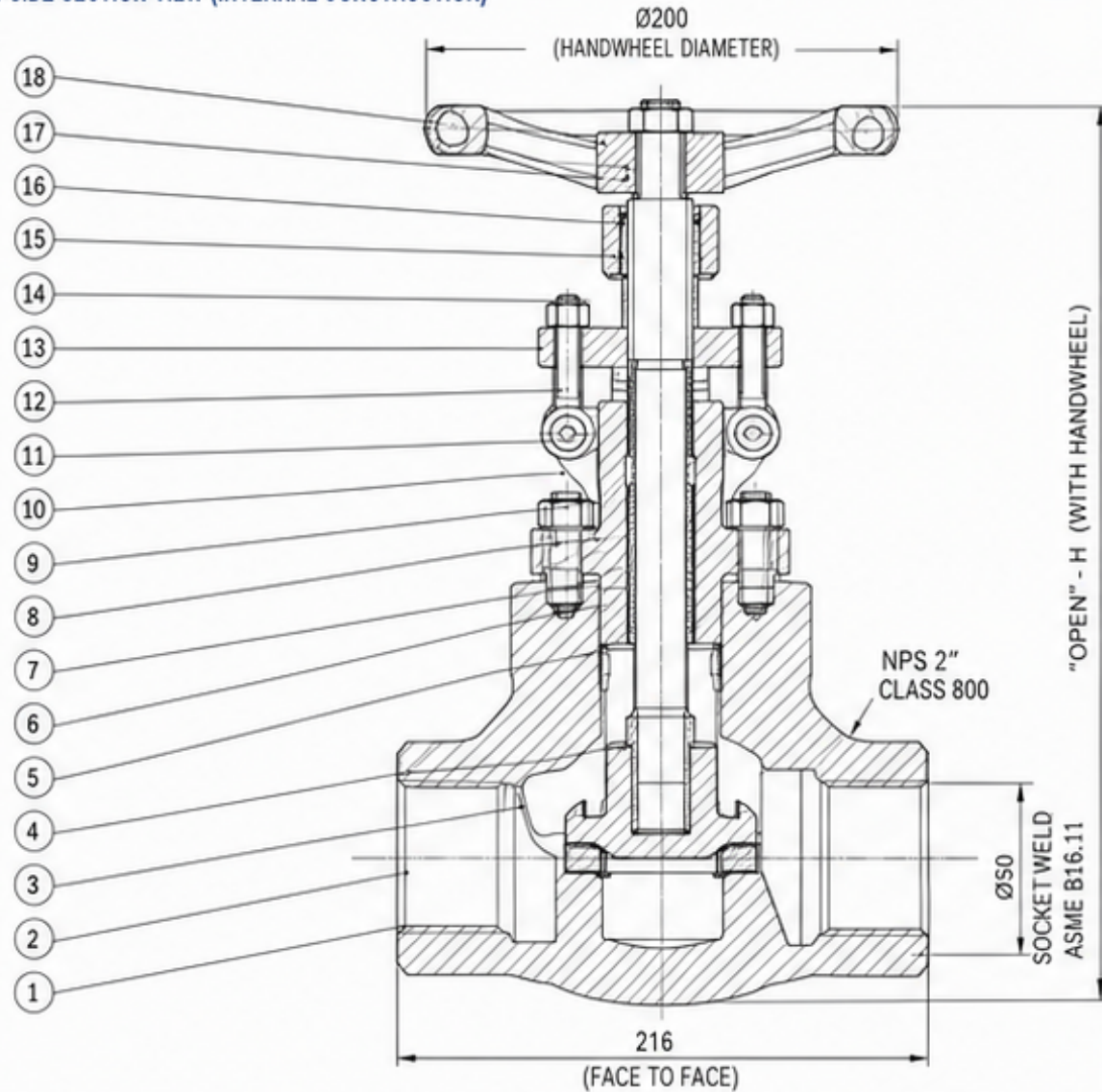
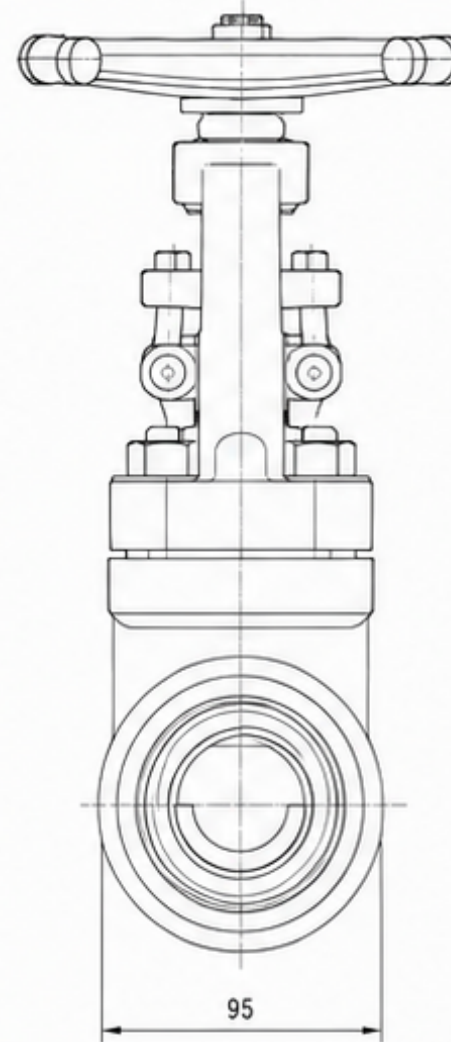


A. SIDE SECTION VIEW (INTERNAL CONSTRUCTION)



B. END VIEW



GENERAL NOTES:

- DESIGN AND MANUFACTURE: API 602
- FACE TO FACE: ASME B16.10
- SOCKET WELD ENDS: ASME B16.11
- PRESSURE - TEMPERATURE RATING: ASME B16.34
- TEST & INSPECTION: API 598
- NACE MR0175 / ISO 15156 (Upon Request)
- DIMENSIONS ARE IN MILLIMETERS (mm)
- WEIGHT & HEIGHT ARE FOR REFERENCE ONLY

SPECIFICATIONS

VALVE TYPE	GLOBE VALVE
DESIGN STANDARD	API 602
PRESSURE RATING	ASME CLASS 800
SIZE	2" (DN50)
END CONNECTION	SOCKET WELD
BODY MATERIAL	A105N FORGED
TRIM MATERIAL	13Cr / STL + HF
STEM MATERIAL	A276 410
SEAT MATERIAL	STELLITE 6
OPERATION	HANDWHEEL

MATERIAL LIST

NO.	PART NAME	MATERIAL	ASTM SPEC.	QTY.
18	HANDWHEEL	DUCTILE IRON	A536 65-45-12	1
17	HANDWHEEL NUT	CARBON STEEL	A194 2H	1
16	YOKE SLEEVE	BRONZE	B62 C83600	1
15	YOKE	CARBON STEEL	A216 WCB	1
14	GLAND FLANGE	CARBON STEEL	A276 410	1
13	GLAND EYE BOLT	CARBON STEEL	A193 B7	2
12	GLAND	CARBON STEEL	A276 410	1
11	PACKING	GRAPHITE	---	1 SET
10	LANTERN RING	CARBON STEEL	A276 410	1
9	BONNET BOLT	ALLOY STEEL	A193 B7	4
8	BONNET NUT	ALLOY STEEL	A194 2H	4
7	BONNET	A105N FORGED	A105N	1
6	STEM	A276 410	A276 410	1
5	DISC	A105N + STL F6	A105N / A182 F6	1
4	SEAT RING	STELLITE 6	---	1
3	BODY	A105N FORGED	A105N	1
2	SOCKET WELD END	A105N FORGED	A105N	2
1	BODY SEALING SURFACE	STELLITE 6	---	1

DIMENSIONS & WEIGHT (REFERENCE)

NOMINAL SIZE	2" (DN50)
FACE TO FACE (RF)	216 mm
OPEN HEIGHT (APPROX.)	327 mm
HANDWHEEL DIAMETER	Ø200 mm
SOCKET BORE DIAMETER	Ø50 mm
WEIGHT (APPROX.)	~ 17.5 kg

PRESSURE - TEMPERATURE RATINGS

TEMPERATURE (°C)	MAX. ALLOWABLE PRESSURE (MPa)
	CLASS 800
-29 ~ 38	19.6
93	17.9
204	15.2
260	13.1
316	11.0
343	10.3

TEST PRESSURE (API 598)

SHELL TEST (WATER)	29.4 MPa
SEAT TEST (WATER)	21.6 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

MANUFACTURER	CHINA YINKE VALVE CO., LIMITED	VALVE DESCRIPTION			BODY MATERIAL	A105N FORGED	GA DRAWING		REV.
CUSTOMER	CONFIDENTIAL / REDACTED	API 602 FORGED STEEL GLOBE VALVE			TRIM MATERIAL	13Cr / STL + HF			0
PROJECT	PUBLIC ENGINEERING EVIDENCE				OPERATION	HANDWHEEL			
STATUS	WEBSITE SAMPLE - NOT FOR FABRICATION	SIZE	PRESSURE RATING	END CONNECTION	DRAWING NO.	YKV-GA-800-02-SW-GV-01			SHEET
TAG NO.	---	2" (DN50)	ASME CLASS 800	SOCKET WELD					1 OF 1