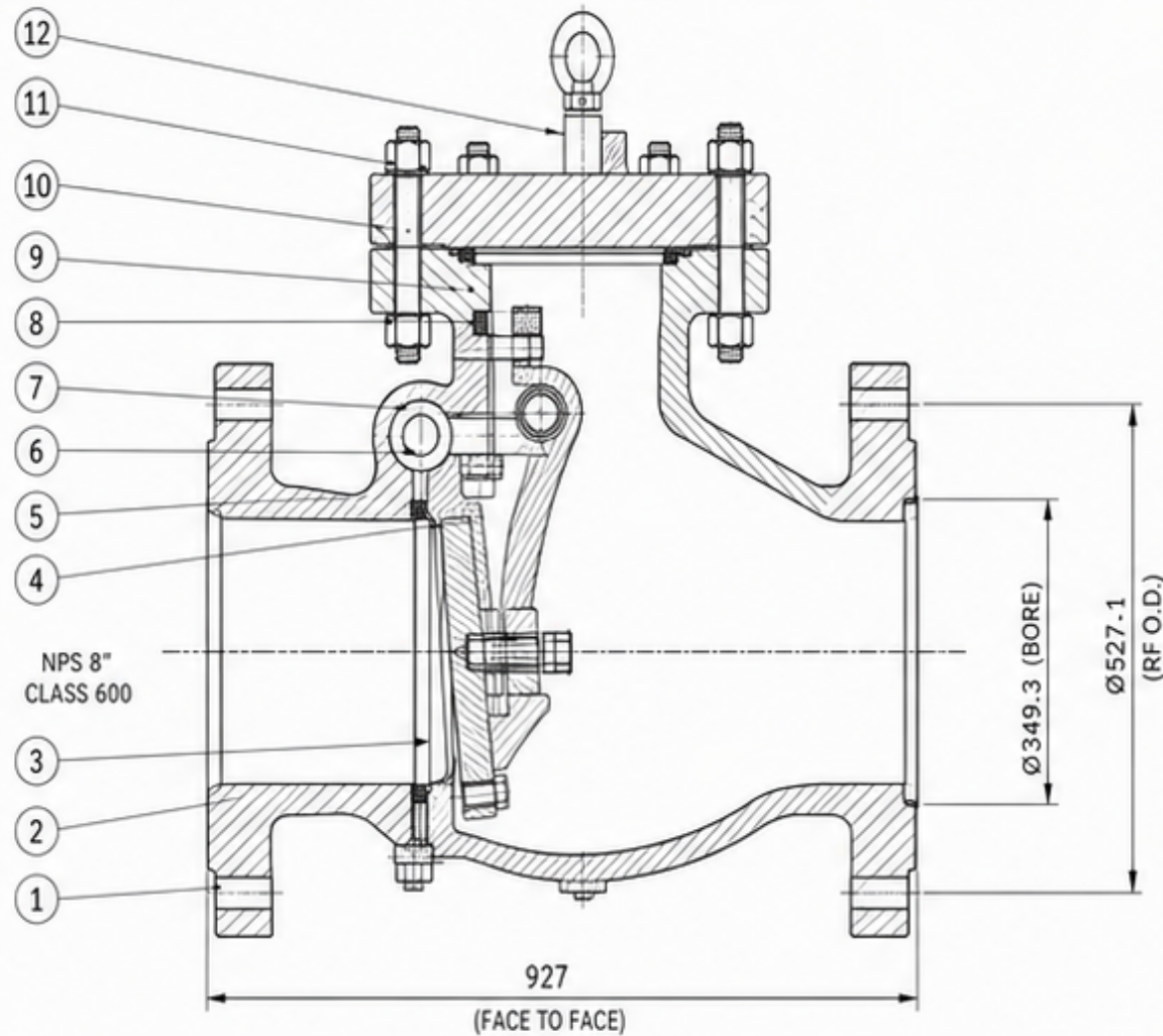
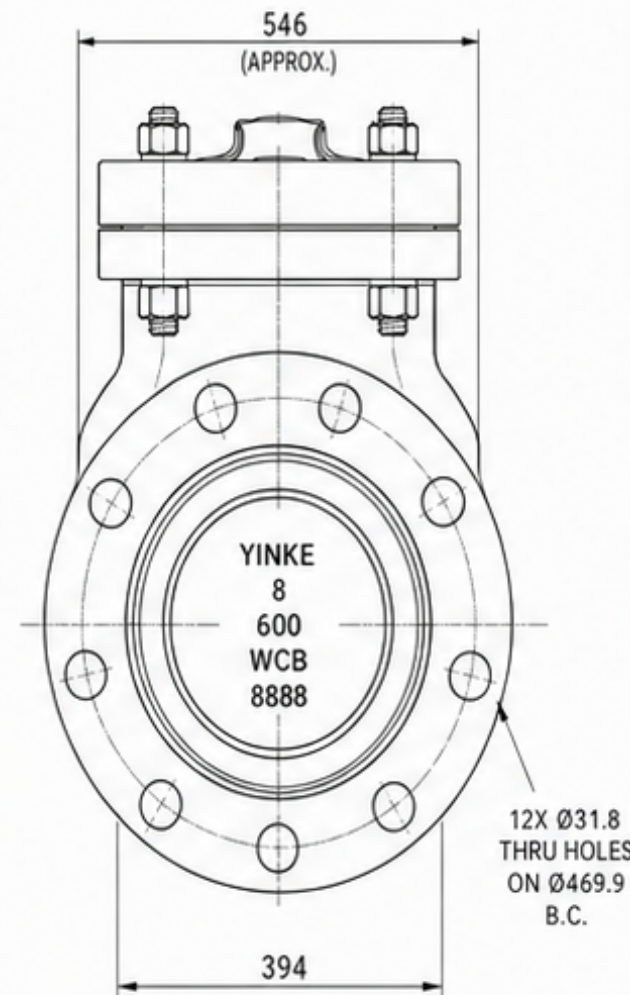


A. SECTION VIEW (INTERNAL CONSTRUCTION)



B. END VIEW (FLANGED END)



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 607 (Upon Request)
- NACE MR0175/ISO 15156 (Upon Request)
- DIMENSIONS ARE IN MILLIMETERS (mm)
- WEIGHT IS FOR REFERENCE ONLY

SPECIFICATIONS

VALVE TYPE	SWING CHECK 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	ASTM A105 + 13Cr
SEAT MATERIAL	STELLITE 6
OPERATION	AUTOMATIC (FLOW ACTUATED)

MATERIAL LIST

NO.	PART NAME	MATERIAL	ASTM SPEC.	QTY.
12	LIFTING EYE BOLT	CARBON STEEL	A193 B7	1
11	BONNET BOLT	ALLOY STEEL	A193 B7	12
10	BONNET NUT	ALLOY STEEL	A194 2H	12
9	BONNET	CARBON STEEL	A216 WCB	1
8	GASKET	SPIRAL WOUND + GRAPHITE	SS316 + GRAPHITE	1
7	HINGE PIN	STAINLESS STEEL	A276 410	1
6	HINGE	CARBON STEEL	A216 WCB	1
5	DISC	CARBON STEEL	A216 WCB	1
4	SEAT RING	STELLITE 6	---	1
3	BODY	CARBON STEEL	A216 WCB	1
2	SEAT RING RETAINER	CARBON STEEL	A216 WCB	1
1	DRAIN PLUG	CARBON STEEL	A105	1

DIMENSIONS & WEIGHT (REFERENCE)

NOMINAL SIZE	8" (DN200)
FACE TO FACE (RF)	927 mm
FLANGE OUTER DIAMETER	527.1 mm
FLANGE BOLT CIRCLE DIAMETER	469.9 mm
FLANGE BOLT HOLE DIAMETER	31.8 mm
NUMBER OF BOLTS	12
HEIGHT (APPROX.)	546 mm
WEIGHT (APPROX.)	~ 210 kg

PRESSURE - TEMPERATURE RATINGS

TEMPERATURE (°C)	MAXIMUM PRESSURE (MPaG)
	CLASS 600
-29 ~ 38	15.5
93	13.1
149	11.0
204	9.7
260	8.3
316	7.0
343	6.4

TEST PRESSURE (API 598)

SHELL TEST	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

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

PROJECT	---	VALVE DESCRIPTION	API 600 SWING CHECK VALVE	BODY MATERIAL	ASTM A216 WCB	REV.	0
CUSTOMER	CONFIDENTIAL	SIZE	8" (DN200)	TRIM MATERIAL	A105 + 13Cr + STL 6	SHEET	1 OF 1
P.O. NO.	CONFIDENTIAL	PRESSURE RATING	ASME CLASS 600	OPERATION	AUTOMATIC (FLOW ACTUATED)		
TAG NO.	---	END CONNECTION	RF FLANGED	DRAWING NO.	YKV-GA-600-08-CH-00		