



NO.	PART NAME	MATERIAL	NOTE
1	BODY	ASTM A216 WCB	-
2	WEDGE	ASTM A351 CF8M+STL	-
3	SEAT	ASTM A182 F316+STL	-
4	STEM	ASTM A182 F316	-
5	BOLT	ASTM A193 B7M	-
6	NUT	ASTM A194 2HM	-
7	GASKET	SS316+FLEXIBLE GRAPHITE	-
8	BONNET	ASTM A216 WCB	-
9	BACKSEAT	ASTM A182 F316	-
10	PACKING	FLEXIBLE GRAPHITE	-
11	GLAND	ASTM A182 F6A	-
12	GLAND FLANGE	ASTM A216 WCB	-
13	NUT	ASTM A194 2HM	-
14	EYEBOLT	ASTM A193 B7M	-
15	PIN	AISI 1025	-
16	STEM NUT	H62	-
17	LOCK NUT	AISI 1025	-
18	HANDWHEEL	QT400-18	-
19	BEARING GLAND	AISI 1025	-
20	LUBING NIPPLE	BRASS	-

CUSTOMER: AL HAKIM FLOW CONTROL VALVES LLC
ORDER NUMBER: AHP024-00000302

ITEM NO.	NPS	d	L	O	W	R	t	f	N-Ø	D0	H(O/C)	SIZE NO.	TAG NO.	WEIGHT
20	6"	152.4	267	279	241.3	215.9	23.9	1.5	8-22	300	785/617	06	FBVGAFO71	75(KG)
21	8"	203.2	292	343	298.4	269.7	26.9	1.5	8-22	350	985/765	08	FBVGAFO71	120(KG)

DESIGN & MFG.	API 600	TEST PRESSURE
FACE TO FACE DIM.	ASME B16.10	SHELL 3.0 Mpa SEAT HYDRO 2.2 Mpa
END CONNECTION	RF ASME B16.5	SEAT AIR 0.6 Mpa BACKSEAT 2.2 Mpa
WALL THICKNESS	ASME B16.34	L.OP.TEMP. 1.9 Mpa -29 $^{\circ}\text{C}$
SPE	API 598/NACE MR0175	H.OP.TEMP. 0.5 Mpa 425 $^{\circ}\text{C}$

E
D
C
B
A
REV

DESCRIPTION PREP. APP'D DATE

DESIGN: HE	DATE: 2024.06.25	DWG NO.
REVIEW: LSY	DATE: 2024.06.25	GA1R1C416R0H
APPROVE: -	DATE: -	
CLASS 150 RF BOLTED		
BONNET WEDGE GATE VALVE		
HANDWHEEL OPERATED		 Engineered Solutions
FBV, INC. 2121 FM 359 South Brookshire, TX 77423 USA TEL: 832-203-5459 FAX: 832-203-5461 http://www.fbvalve.com		