



NPS	L	NPT	d	Performance Standard		
1/4"	79	1/4"	7	Nominal Bore	Nps	1/2"-2"
3/8"	79	3/8"	10.5	Nominal Pressure	Class	800 LB
1/2"	79	1/2"	10.5	Pressure Test		
3/4"	92	3/4"	13.5	Shell Test	21.0	Mpa
1"	111	1"	18	Seal Test	15.1	
1-1/4"	120	1-1/4"	23	Backseat Test	15.1	
1-1/2"	120	1-1/2"	29	Air Test	0.6	
2"	140	2"	36	Working Temperature	200°C	
2-1/2"	178	2-1/2"	45	Suitable Medium	W.O.G	
3"	180	3"	50			

### Technical Requirements

1. Design & manufacture as to: API 602
2. Screw End Standard: ASME B1.20.1
3. Testing record as to: API 598
4. Pressure-temperature conforms as to: ASME B16.34

Material Science		A105	F304	F316
18	ADJUSTING NUT	CS	CS	CS
17	NAMEPLATE	AL	AL	AL
16	HANDWHEEL	A197	A197	A197
15	WASHER	410	410	410
14	STEM NUT	1035	1035	1035
13	HEX. NUT	2H	8	8M
12	GLAND EYEBOLT	B7	B8	B8M
11	PIN	SS	304	304
10	PACKING PRESS PLATE	A105	304	316
9	PACKING PRESS SLEEVE	410	304	316
8	PACKING	GRAPHITE	GRAPHITE	PTFE
7	BOLT	B7	B8	B8M
6	BONNET	A105	F304	316
5	GASKET	SS304 FLEXIBLE GRAPHITE	SS304 FLEXIBLE GRAPHITE	SS316 FLEXIBLE GRAPHITE
4	STEM	410	304	316
3	WEDGE	410	304	316
2	SETA	420	304	316
1	BODY	A105	F304	F316

Rev.	UNICIMA CORPORATION			
Design	Date	2014	Graphics	
			Describe	FORGED GATE VALVE
			Model	NPS 1/4" - 3" CLASS 800 LB NPT
TOKYO - JAPAN				