

API 607, 4th Ed. Fire Test Certified Valves*

		Qualified Classes								
		150 <small>(includes 300 Class)</small>	300 <small>(includes 400 & 600 Classes)</small>	400 <small>(includes 600 & 800 Classes)</small>	600 <small>(includes 800 & 900 Classes)</small>	800 <small>(includes 900 & 1500 Classes)</small>	900 <small>(includes 1500 Class)</small>	1500 <small>(includes 2500 Class)</small>	2500 <small>(only 2500 Class)</small>	
Qualified Sizes	0.5" <small>(includes .25", .375", and .75")</small>				V628-RF-FP-L005-001DT-001			V82J-RF-FP-L005-001DT-001		
	1" <small>(includes .75", 1.25", and 1.5")</small>									
	2" <small>(includes: 1.5", 2.5", 3")</small>		B3C4-SW-STD-2	V528-RF-FP-B020-001DT-001		V628-RF-FP-B020-001DT-001			V82J-RF-FP-B020-001DT-001	
									N826-RF-FP-B020-001DT-001	
						V6C6-RF-FP-B020-003AA-002			B8C1-BW-FP-BS-2	
	4" <small>(includes: 3", 5", 6")</small>			V5CC-RF-FP-B040-008ZZ						
8" <small>(includes: ≥6")</small>		V3C6-RF-RP-B080-007AA-001					V1-Series Ball			

Legend: Carbon Stainless

*Valves must also meet the following requirements:

¹Qualification of a valve with a carbon steel body also qualifies valves of any materials listed in Table 1 of ASME B16.34. Qualifications of a stainless steel valve also qualifies valves of any Group 2 and 3 materials listed in Table 1 of ASME B16.34.

²Qualification of a valve with ASME A-193, Grade B7, fasteners also qualifies valves with fasteners conforming to other ASTM specifications listed in Table 1 of ASME B16.34, except ASTM A-307, Grade B. Qualification of a valve with listed fasteners other than Grade B7 fasteners only qualifies valves with the tested fasteners. Valves with pressure-retaining fasteners conforming to ASTM A-307, Grade B, shall not be tested.

³Qualifications of a valve with filled PTFE components also qualifies valves with virgin PTFE components. Qualification of a valve with virgin PTFE components also qualifies valves with filled PTFE components.

Double-seated valves with components of polymers other than PTFE must be individually qualified in accordance with this standard.

Qualification of a single-seated valve with virgin PTFE or filled PTFE components may be extended to single-seated valves with components of another polymer by a successful qualification test of an NPS 4 valve that has the same basic design (same construction) as the test valve and that has components of the other polymer.

Valves with ceramic or graphitic components require a complete range of tests in accordance with this standard.

Once a valve has been tested and qualified, any subsequent change in material of seals affecting external leakage requires full requalification of the valve.

API 607, 5th Ed. Fire Test Certified Valves*

			Qualified Classes							
			150 (includes 300 & 400 Classes)	300 (includes 400 & 600 Classes)	400 (includes 600 & 800 Classes)	600 (includes 800 & 900 Classes)	800 (includes 900 & 1500 Classes)	900 (includes 1500 & 2500 Classes)	1500 (includes 2500 Class)	2500 (only 2500 Class)
Qualified Sizes	2"	(includes: <2", 2.5", 3", 4")		N5C6T-RF-FP-BS-2				N727-RF-FP-B020-001ET		
	2.5"	(includes: 3", 4", 5")								
	3"	(includes: 4", 5", 6")								
	4"	(includes: 5", 6", 8")		N520T-RF-FP-BS-4						
	5"	(includes: 6", 8", 10")								
	6"	(includes: 8", 10", 12")		N5C6T-RF-FP-BS-6						
	8"	(includes: >8")		N5C6T-RF-FP-BS-8				H7C2-JJ-XX-B080-003-P02		

Legend: Carbon Stainless

*Valves must also meet the following requirements:

¹If a range of valves is covered by testing of ferritic test valves then the type-testing coverage may be extended to cover austenitic or duplex materials by carrying out a further test on a mid-range size of valve of the same design in that material.

²Other materials of construction of the pressure-retaining envelope of the valve require full testing of representative size and pressure ratings as specified in API 607 6th Ed paragraphs 7.3 & 7.4.

³Alloy steel bolting (e.g. B7, L7) used as part of the valve's pressure retaining envelope may be used to qualify austenitic steel bolting but not vice-versa.

⁴Any change in nonmetallic materials with respect to the seat-to-closure member seal, seat-to-body seal, stem seal and body joint and seal require a re-qualification. Filled PTFE, however, may qualify non-filled PTFE and vice-versa.

API 607, 6th Ed. Fire Test Certified Valves*

		Qualified Classes							
		150 <small>(includes 300 Class)</small>	300 <small>(includes 400 & 600 Classes)</small>	400 <small>(includes 600 & 800 Classes)</small>	600 <small>(includes 800 & 900 Classes)</small>	800 <small>(includes 900 & 1500 Classes)</small>	900 <small>(includes 1500 Class)</small>	1500 <small>(includes 2500 Class)</small>	2500 <small>(only 2500 Class)</small>
Qualified Sizes	2" <small>(includes: <2", 2.5", 3", 4")</small>	V3CC-RF-ST-L020-014DB-001			V6CC-RF-FP-B020-010DB-001				V021-RF-ST-L020-001AA-001
	2.5" <small>(includes: 3", 4", 5")</small>								
	3" <small>(includes: 4", 5", 6")</small>						V7C1-RF-RP-B030-023EM-001		
	4" <small>(includes: 5", 6", 8")</small>	V3C4-RF-FP-B040-012EM-001							
	5" <small>(includes: 6", 8", 10")</small>								
	6" <small>(includes: 8", 10", 12")</small>		V523-RF-FP-B060-004DB-001		V6CC-RF-FP-B060-011DB-001		N7C1-RF-RP-B060-003AA-001		
	8" <small>(includes: >8")</small>						V7C1-RF-FP-B080-024EM-B01 V72R-RF-RP-B080-005EM-001		

Legend: Carbon Stainless

*Valves must also meet the following requirements:

¹If a range of valves is covered by testing of ferritic test valves then the type-testing coverage may be extended to cover austenitic or duplex materials by carrying out a further test on a mid-range size of valve of the same design in that material.

²Other materials of construction of the pressure-retaining envelope of the valve require full testing of representative size and pressure ratings as specified in API 607 6th Ed paragraphs 7.3 & 7.4.

³Alloy steel bolting (e.g. B7, L7) used as part of the valve's pressure retaining envelope may be used to qualify austenitic steel bolting but not vice-versa.

⁴Any change in nonmetallic materials with respect to the seat-to-closure member seal, seat-to-body seal, stem seal and body joint and seal require a re-qualification. Filled PTFE, however, may qualify non-filled PTFE and vice-versa.

API 6FA, 3rd Ed. Fire Test Certified Valves

			Qualified psi					
			2000 (includes 3,000 psi)	3000 (includes 5,000 psi)	5000 (includes 10,000 psi)	10000 (includes 15,000 psi)	15000 (included 20,000 psi)	20000 (only 20000 psi)
Qualified Sizes (nps)	1 ¹³ / ₁₆ "	Includes: 2 ¹ / ₁₆ " , 2 ⁹ / ₁₆ " , 3 ¹ / ₈ " , 4 ¹ / ₁₆ "				NACXT-RJ-FP- BS-1.8125		
	2 ¹ / ₁₆ "	Includes: 1 ¹³ / ₁₆ " , 2 ⁹ / ₁₆ " , 3 ¹ / ₈ " , 4 ¹ / ₁₆ "						
	2 ⁹ / ₁₆ "	Includes: 3 ¹ / ₈ " , 4 ¹ / ₁₆ " , 5 ¹ / ₈ "						
	3 ¹ / ₈ "	Includes: 4 ¹ / ₁₆ " , 5 ¹ / ₈ " , 7 ¹ / ₁₆ "						
	4 ¹ / ₁₆ "	Includes: 5 ¹ / ₈ " , 7 ¹ / ₁₆ "						
	5 ¹ / ₈ "	Includes: 7 ¹ / ₁₆ " , 9"				NACXT-RJ-FP- BS-5		
	7 ¹ / ₁₆ "	Includes: 9" , 11"					N8C1-JJ-XX- B080-005EM- P01	
	9"	Includes: 11"						
	11"	Only 11"						

Legend: Carbon Stainless