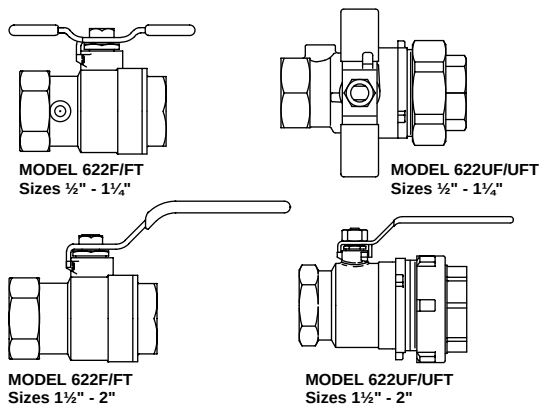


SPECIFICATION SHEET MODEL 622F/FT/UF/UFT



Bronze, Full Port Ball Valve



Features

- Model 622F/FT/UF/UFT available with tapped outlet suitable for the installation of a pressure gauge or test cock. 622UF/UFT with Union Ends.
- Tee handle standard on 1/2" through 1 1/4" sizes.
- Lever handle standard on 1 1/2" through 2" sizes.
- Full port design for low pressure drop.
- Pressure rated at 600 psi (4137 kPa) WOG, (non-shock) 1/2"-2" (DN15-DN50) and 125 psi (861.9 kPa) saturated steam.
- Suitable for temperature from 0°F to +350°F (-17.8°C to 177°C) at 50 Psi (345 kPa).
- PTFE stem packing seal, thrust washer and seat.
- Plated carbon steel handle with vinyl insulator.
- Quarter turn open or close operation.
- Ideal for throttling and balancing applications of non-abrasive fluids where minimum flow is 20% to 100% of valve capacity.
- Low operating torque.
- Adjustable stem packing gland.
- Bottom loaded, pressure retaining stem.

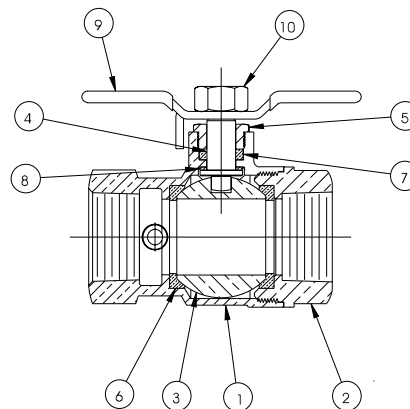
CV Factor

Size	GPM	LITERS
	CV (gpm / $\sqrt{\text{psi}}$)	CV (L / $\sqrt{\text{bar}}$)
1/2	15	56.8
3/4	30	113.6
1	60	227.1
1 1/4	110	416.4
1 1/2	130	492.1
2	360	1362.7

Specification

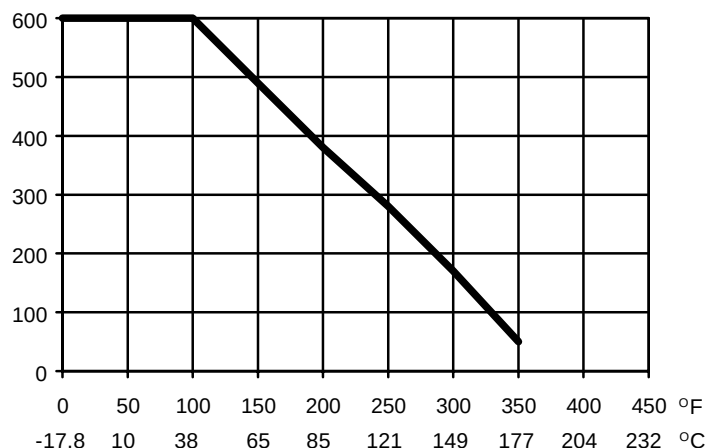
Approved valves shall have bottom loaded pressure retaining stems, PTFE seats and full port. Valve shall be pressure rated at 600 psi WOG (non-shock), 125 psi saturated steam. Valve must conform to Federal Specification WW-V-35C, Type II, Composition, BZ, Style 3, End Connection A. FEBCO Model 622F.

Materials of Construction



- 1 Body - Bronze
- 2 End Cap - Bronze
- 3 Ball - Chrome Plated Brass
- 4 Stem - Brass
- 5 Packing Nut - Brass
- 6 Ball Seal - PTFE
- 7 Packing - PTFE
- 8 Stem Washer - PTFE
- 9 Handle - Plated Steel w/ Vinyl Insulator
- 10 Nut - Plated Steel

Seat Rating



Dimensions - Weights

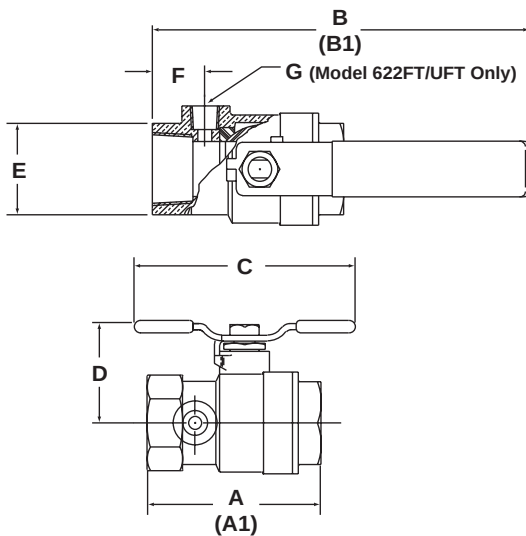
Model 622UF/622UFT Tapped

U.S. – INCHES										Weight (lbs.)	
Size	A	A1 union	B	B1 union	C	D	E	F	G	622FT	622UFT
1/2"	2 ³ / ₈	3 ¹ / ₈			3 ¹ / ₈	1 ² / ₅	1	5/8	1/8 - 27	0.59	0.68
3/4"	2 ⁵ / ₈	3 ¹ / ₂			3 ¹ / ₈	1 ³ / ₅	1 ¹ / ₄	3/4	1/8 - 27	0.80	1.08
1"	3 ¹ / ₈	4			3 ³ / ₅	2	1 ¹ / ₂	4/5	1/8 - 27	1.32	1.64
1 ¹ / ₄ "	3 ⁵ / ₈	4 ⁴ / ₇			3 ³ / ₅	2 ¹ / ₉	1 ⁴ / ₅	5/6	1/4 - 18	2.30	2.44
1 ¹ / ₂ "	3 ⁷ / ₈	5	8 ¹ / ₂	9 ¹ / ₂		3	2 ¹ / ₆	5/6	1/4 - 18	3.18	3.66
2"	4 ¹ / ₈	5 ² / ₃	8 ⁴ / ₅	9 ³ / ₅		3 ¹ / ₂	2 ³ / ₄	5/6	1/4 - 18	5.58	6.35

METRIC – MM										Weight (kgs.)	
Size	A	A1 union	B	B1 union	C	D	E	F	G	622FT	622UFT
15	60.45	78.99			78.74	35.56	25.40	16.00		0.27	0.31
20	66.55	88.90			78.74	40.64	31.75	19.05		0.36	0.49
25	79.25	101.85			91.44	50.80	38.10	20.32		0.60	0.74
32	91.95	116.08			91.44	53.34	45.72	21.34		1.04	1.11
40	98.55	128.52	215.90	241.30		76.20	55.37	21.34		1.44	1.66
50	112.78	143.76	223.52	243.84		88.90	69.85	21.34		2.53	2.88

Weights shown include union end ball valves and are approximate.

Dimensions shown are nominal, allowances must be made for normal manufacturing tolerances.



Model 622F/622UF Non-Tapped

U.S. – INCHES								Weight (lbs.)	
Size	A	A1 union	B	B1 union	C	D	E	622F	622UF
1/2"	2 ¹ / ₆	3			3 ¹ / ₈	1 ² / ₅	1	0.55	0.65
3/4"	2 ³ / ₈	3 ² / ₉			3 ¹ / ₈	1 ³ / ₅	1 ¹ / ₄	0.71	1.04
1"	2 ⁷ / ₈	3 ⁷ / ₉			3 ³ / ₅	2	1 ¹ / ₂	1.29	1.63
1 ¹ / ₄ "	3 ¹ / ₄	4 ² / ₉			3 ³ / ₅	2 ¹ / ₉	1 ⁴ / ₅	2.00	2.39
1 ¹ / ₂ "	3 ⁵ / ₈	4 ³ / ₄	8	9		3	2 ¹ / ₆	3.09	3.63
2"	4 ¹ / ₆	5 ² / ₅	8 ² / ₅	9 ² / ₃		3 ¹ / ₂	2 ³ / ₄	5.28	6.32

METRIC – MM								Weight (kgs.)	
Size	A	A1 union	B	B1 union	C	D	E	622F	622UF
15	55.37	74.42			78.74	35.56	25.40	0.25	0.29
20	60.45	81.79			78.74	40.64	31.75	0.32	0.47
25	73.15	96.01			91.44	50.80	38.10	0.59	0.74
32	82.55	107.19			91.44	53.34	45.72	0.91	1.08
40	91.95	120.14	205.74	231.14		76.20	55.37	1.40	1.65
50	106.17	137.16	213.36	246.38		88.90	69.85	2.39	2.87

Weights shown include union end ball valves and are approximate.

Dimensions shown are nominal, allowances must be made for normal manufacturing tolerances.