

Conval Clampseal® API-602 Globe Valves are designed and built for the demanding environments (e.g. pressure and temperature extremes) of onshore and offshore drilling and production, refining, heavy oil and sour gas applications



APPLICATION

Conval Clampseal API-602 Globe Valves are designed and built for the demanding environments (e.g. pressure and temperature extremes) of onshore and offshore drilling and production, refining, heavy oil and sour gas applications.

FEATURES

General Design and Wall Thickness: ASME B16.34/API 602.

API 624 Certified: Assures low fugitive emission performance. Third Party reports available on request.

Integral Gland Wrench (IGW): The IGW allows for easy packing adjustments and for locking the packing in place. System vibration cannot loosen the packing gland (concentric 360 degree packing load).

NACE: ISO 15156 / MR0103 Compliance Available.

High Performance Packing System: The Clampseal packing system incorporates corrosion-inhibiting, high density graphitic packing, certified to API 622. Live loading on request.

Rapid In-Line Repairability: The Clampseal valve line provides a modular solution to rising maintenance expense. Rapid, reliable in-line servicing makes for less down time.

Quality Certifications: ISO 9001, European Pressure Equipment Directive (PED), Nuclear N Stamp, Canadian Registration Number, and many more. Conval complies with all applicable API standards.

Configuration: Y, T and Angle Patterns.

Size Range: ½” – 2-1/2” NPS*.

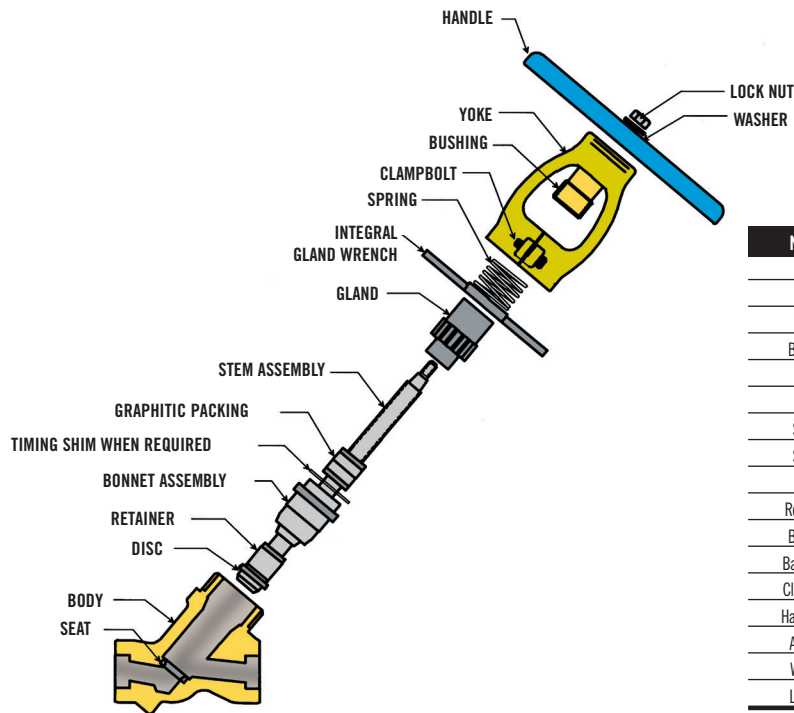
Pressure Range: ASME Class 150# – 1500#.**

End Connection: Socket Weld, Butt Weld, Flanged, Hub and Threaded.

Electroless Nickel Plated Finish: Contributes to extended service life.

*Valves through 4” available. Please consult the factory.
 ** Valves rated to Class 4500# are available. Please consult the factory.

CLAMPSEAL® API-602 GLOBE VALVE STANDARD TRIM & VALVE MATERIALS



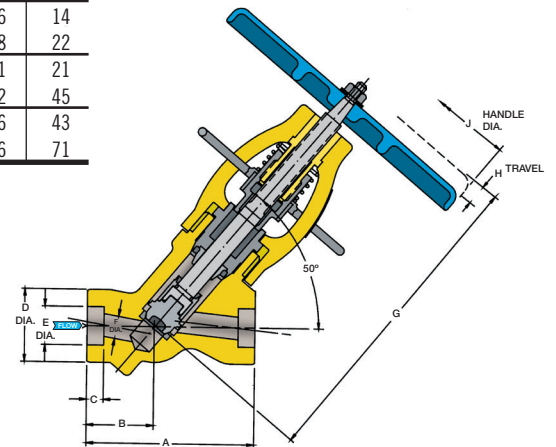
Name	Carbon Steel	Low Alloy Steel	Stainless
Body*	SA-105	SA-182 F22 or SA-182 F91	SA-182 F316
Seat*	Cobalt Alloy-AMS 5387		
Yoke*	SA-105	SA-182 F22	SA-182 F316
Bushing	ASME SB-150, UNS C64200		
Gland	SA-582 Type 416		SA-479 Type 316
IGW	AMS 5370		
Spring	Stainless		
Stem*	SA-582 Type 416 or SA-479 Type 410		SA-479 Type XM-19H
Disc*	Cobalt Alloy AMS 5387		
Retainer*	SA-479 Type 316 or SA-582 Type 416		SA-479 Type 316
Bonnet*	SA-479 Type 410		SA-479 Type 316
Backseat*	SA-479, UNS 521800		
Clampbolt	Mfg. Standard Stainless		
Handwheel	Malleable Iron		
Adaptor	Malleable Iron		
Washer	Mfg. Standard Stainless		
Locknut	Mfg. Standard Stainless		

*Other Alloys Available on Request

CLAMPSEAL® API-602 Y-PATTERN GLOBE VALVE DIMENSIONS

Size Code	NPS	Class	A	BW	B	C	D	E	F	G	H	J	Cv	Weight (lbs)
3D	0.50	800	3.75	3.75	1.50	0.38	1.63	0.86	0.50	7.53	0.56	6.50	6	5
3D		1500	3.75	3.75	1.50	0.38	1.63	0.86	0.50	7.53	0.56	6.50	6	5
5E	0.75	800	4.50	4.75	1.75	0.50	2.33	1.07	0.63	9.47	0.69	8.00	9	11
5E		1500	4.50	4.75	1.75	0.50	2.33	1.07	0.63	9.47	0.69	8.00	9	11
5F	1.00	800	4.50	4.75	1.75	0.50	2.33	1.34	0.82	9.57	0.75	8.00	15	10
5F		1500	4.50	4.75	1.75	0.50	2.33	1.34	0.82	9.57	0.75	8.00	15	10
5G	1.25	800	4.50	4.75	1.75	0.50	2.33	1.68	1.01	10.01	1.19	8.00	24	9
7G		1500	6.25	6.50	2.56	0.50	3.25	1.68	1.01	12.72	1.19	12.00	24	15
6H	1.50	800	5.50	6.13	2.13	0.50	2.69	1.92	1.26	10.64	1.19	8.00	36	14
7H		1500	6.25	6.50	2.56	0.50	3.25	1.92	1.26	12.73	1.19	12.00	38	22
7J	2.00	800	6.25	6.50	2.56	0.63	3.25	2.41	1.51	12.88	1.25	12.00	61	21
8J		1500	7.25	7.25	2.69	0.63	3.94	2.41	1.51	14.67	1.56	12.00	62	45
8K	2.50	800	7.25	7.25	2.69	0.63	3.94	2.92	1.88	14.72	1.75	12.00	86	43
9K		1500	9.00	9.63	3.63	0.63	4.38	2.92	1.88	16.56	2.00	24.00	86	71

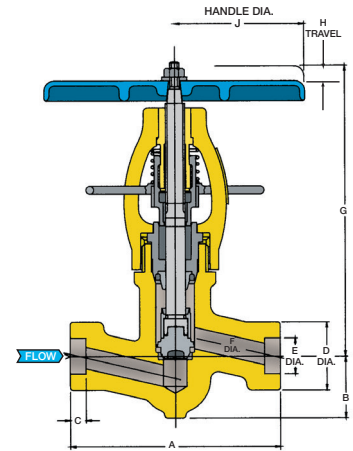
Dimensions are in inches.



CLAMPSEAL® API-602 T-PATTERN GLOBE VALVE DIMENSIONS

Size Code	NPS	Class	A	B	C	D	E	F	G	H	J	Cv	Weight (lbs)
3D	0.50	800	5.00	1.48	0.38	1.63	0.86	0.50	7.48	0.56	6.50	4	6
3D		1500	5.00	1.48	0.38	1.63	0.86	0.50	7.53	0.56	6.50	4	6
5E	0.75	800	6.50	1.85	0.50	2.33	1.07	0.63	9.47	0.69	8.00	6	13
5E		1500	6.50	1.85	0.50	2.33	1.07	0.63	9.47	0.69	8.00	6	13
5F	1.00	800	6.50	1.88	0.50	2.33	1.34	0.82	9.57	0.75	8.00	9	12
5F		1500	6.50	1.88	0.50	2.33	1.34	0.82	9.57	0.75	8.00	9	12
7G	1.25	800	8.50	3.07	0.50	3.25	1.68	1.00	12.66	1.19	12.00	14	25
7G		1500	8.50	3.07	0.50	3.25	1.68	1.00	12.66	1.19	12.00	14	25
7H	1.50	800	8.50	3.07	0.50	3.25	1.92	1.25	12.66	1.19	12.00	22	24
7H		1500	8.50	3.07	0.50	3.25	1.92	1.25	12.66	1.19	12.00	22	24
8J	2.00	800	10.00	3.79	0.63	4.00	2.41	1.50	14.37	1.56	12.00	32	55
8J		1500	10.00	3.79	0.63	4.00	2.41	1.50	14.67	1.56	12.00	32	55
8J	2.50	1500	10.00	3.79	0.63	4.00	2.92	1.50	14.83	1.56	12.00	32	55

Dimensions are in inches.



CLAMPSEAL® API-602 A-PATTERN GLOBE VALVE DIMENSIONS

Size Code	NPS	Class	A	B	C	D	E	F	G	H	J	Cv	Weight (lbs)
3D	0.50	800	1.75	1.75	0.38	1.63	0.86	0.50	7.09	0.56	6.50	7	5
3D		1500	1.75	1.75	0.38	1.63	0.86	0.50	7.09	0.56	6.50	7	5
5E	0.75	800	2.31	2.31	0.50	2.33	1.07	0.63	8.85	0.69	8.00	9	11
5E		1500	2.31	2.31	0.50	2.33	1.07	0.63	8.85	0.69	8.00	9	11
5F	1.00	800	2.31	2.31	0.50	2.33	1.34	0.81	8.95	0.75	8.00	16	10
5F		1500	2.31	2.31	0.50	2.33	1.34	0.82	8.95	0.75	8.00	16	10
7G	1.25	800	4.25	2.75	0.50	3.25	1.68	1.01	11.85	1.19	12.00	23	23
7G		1500	4.25	2.75	0.50	3.25	1.68	1.01	11.85	1.19	12.00	23	23
7H	1.50	800	4.25	2.75	0.50	3.25	1.92	1.26	11.85	1.19	12.00	38	21
7H		1500	4.25	2.75	0.50	3.25	1.92	1.26	11.85	1.19	12.00	38	21
7J	2.00	800	4.25	2.75	0.63	3.25	2.41	1.51	11.80	1.25	12.00	54	20
8J		1500	4.50	3.00	0.63	3.94	2.41	1.51	13.67	1.56	12.00	54	42
8K	2.50	800	4.50	3.00	0.63	3.94	2.92	1.88	13.53	1.75	12.00	74	39
10L		1500	6.00	5.00	0.63	4.88	2.92	2.25	16.94	2.13	24.00	124	107

Dimensions are in inches.

