

Distributed By:



SALCO PRODUCTS, INC.

Association of American Railroads

Series S-FBV-AAR/ C-FBV-AAR

2 Piece Full Port 360° Welded
Investment Cast Ball Valves

Sizes 1/2" through 3" (15 thru 80mm)

S-FBV-AAR = Stainless Steel

C-FBV-AAR = Carbon Steel

FEATURES

- ◆ AAR Approval No. E949003
- ◆ Adaptor is 360° Welded to Body
- ◆ Suitable for full range of liquids and gases.
- ◆ Minimal pressure drop due to large full size ports.
- ◆ Bottom loaded, stem.
- ◆ Pressure rated at 1000 psi (69 bars) for 1/2" - 3" (15-80mm) valves.
- ◆ Suitable for temperatures from 0° F to 350° F (-18° C to 177° C) depending on pressure. See pressure, temperature rating chart.
- ◆ PTFE thrust washer.
- ◆ Virgin Teflon seat.
- ◆ Grafoil stem packing and body seal.
- ◆ Vinyl insulator on heavy duty 304SS handles.
- ◆ Fast quarter turn open or close operation.
- ◆ Excellent for low pressure drop throttling and balancing applications of nonabrasive fluids where minimum flow is 20% to 100% of valve capacity.
- ◆ Low operating torque.
- ◆ Adjustable stem packing.
- ◆ Each valve individually tested in the open and closed position.
- ◆ Drilled and tapped mounting pads.

SPECIFICATIONS

Approved valves shall have bottom loaded stems, virgin Teflon seats. Full port. Valve shall be pressure rated at 1000 psi (69 bars) WOG (non-shock), 125 psi (8.6 bars) saturated steam. Each valve shall be tested, in the open and closed position by the manufacturer. Valve must conform to Federal Specification WW-V-35C, Type II, Composition SS/CS, Style 3. Watts Regulator Company Series S-FBV-AAR/C-FBV-AAR.

No. S-FBV-AAR



Ⓢ = International product

Series S-FBV-AAR			Series C-FBV-AAR		
Investment Cast - 316SS			Investment Cast - Carbon Steel		
Ordering Code No.	Size (DN)		Ordering Code No.	Size (DN)	
	in.	mm		in.	mm
548030	1/2	15	548024	1/2	15
548031	3/4	20	548025	3/4	20
548032	1	25	548026	1	25
548033	1 1/4	32	548027	1 1/4	32
548034	1 1/2	40	548028	1 1/2	40
548035	2	50	548029	2	50
548023	3	80	548022	3	80

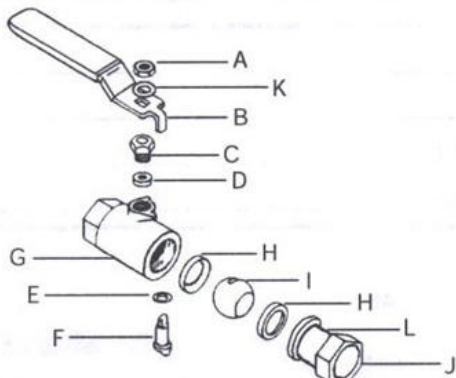
NOTE: Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

A LEADER IN VALVE TECHNOLOGY

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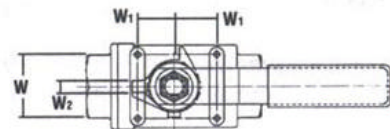
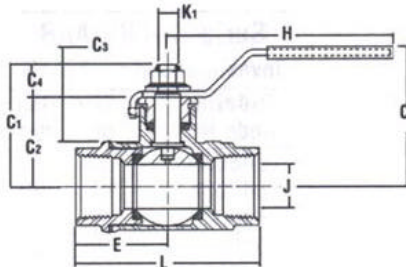
ISO 9001
 CERTIFIED

MATERIALS



- A. Handle Nut - Series C-FBV - carbon steel
Series S-FBV - AISI 304
- B. Handle - AISI 304 with plastic insulator
- C. Packing Nut - AISI 304
- D. Stem Packing - Grafoil
- E. Thrust Washer - PTFE
- F. Stem - Series C-FBV - AISI 316
Series S-FBV - AISI 316
- G. Body - Series C-FBV - ASTM A216 gr WCB
Series S-FBV - ASTM A351 gr CF8M
- H. Seats - Virgin Teflon
- I. Ball - Series C-FBV - AISI 316
Series S-FBV - AISI 316
- J. Adaptor - Series C-FBV - ASTM A216 gr WCB
Series S - FVB - ASTM A351 gr CF8M
- K. Lock Washer - Carbon steel or AISI 304
- L. Body Seal - Grafoil

DIMENSIONS/ WEIGHT



Size (DN)	C		C ₁		C ₂		C ₃		C ₄		E		H		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	
½	15	2.00	51	1.77	45	1.21	31	1.10	28	.56	14	1.19	15	4.50	115
¾	20	2.00	51	1.97	50	1.40	36	1.10	28	.57	14	1.31	20	4.50	115
1	25	2.50	64	2.28	58	1.67	42	1.34	34	.62	16	1.63	25	4.94	125
1¼	32	2.75	70	2.48	63	1.88	48	1.34	34	.60	15	1.81	32	4.94	125
1½	40	3.31	84	2.99	76	2.14	54	1.58	40	.85	22	2.19	40	6.31	160
2	50	3.63	92	3.27	83	2.49	63	1.65	42	.78	20	2.50	50	6.31	160
3	80	4.94	125	4.92	125	3.74	95	2.13	54	1.18	30	3.50	80	9.06	230

Size (DN)	J		K ₁		L		W		W ₁		W ₂		Weight		
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kg.	
½	15	.50	15	.37	9	2.38	60	1.12	29	.50	13	.26	7	.90	.41
¾	20	.75	20	.37	9	2.63	66	1.37	35	.87	22	.26	7	1.39	.63
1	25	1.00	25	.43	11	3.25	82	1.37	35	.87	22	.32	8	1.98	.90
1¼	32	1.25	32	.43	11	3.63	92	1.50	38	.93	24	.32	8	3.26	1.48
1½	40	1.50	40	.61	15	4.38	111	1.50	38	.93	24	.39	10	4.50	2.04
2	50	2.00	50	.61	15	4.94	125	1.50	38	.93	24	.39	10	7.17	3.25
3	80	3.00	80	.73	19	6.44	177	2.17	55	1.38	35	.47	12	21.17	9.6

Illinois Offices
T: 630-783-2570
F: 630-783-2590



SALCO PRODUCTS, INC.

Texas Offices
T: 281-351-0274
F: 281-351-1514

www.salcoproducts.com

TECHNICAL DATA

Size	Cv Rating	Operating Torque (in/lbs)
½"	19	43
¾"	37	65
1"	64	102
1¼"	103	160
1½"	143	188
2"	360	230
3"	520	780

PRESSURE TEMPERATURE RATINGS

