



EBU Series (Welded) EBUT Series (Welded with Acess Fitting)

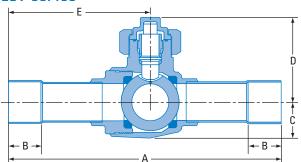
- Robotically welded body joint. 100% factory tested to ensure positive, leak-free performance. Forged brass body construction with extended copper fittings and optional access fittings.
- Full size ports for unrestricted flow on most sizes (1/4" through 3-1/8")
- Dual Teflon seals surround the polished, brass ball with a secondary seal to prevent leakage due to foreign material. Dual Teflon stem seals with internal packing nut for the primary seal; no synthetic "O" rings.
- Fully open to fully closed with a 1/4 turn. Positive movement ensured with internal, forged mechanical stops. No need to remove the seal cap to open or close the valve.

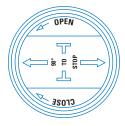
- Ball internal relief port design ensures positive shut-off in either flow direction...even during system evacuation.
- All EBV(T) ball valves are non-directional and may be installed in any position.
- Full refrigeration service temperature range: -40°F to +325°F (-40°C to +149°C).
- Design working pressure: 700 psig.
- U.L. and C-U.L. Listed File No. 5460.
- The new EBV(T) ball valves are suitable for use with R-11, R-12, R-22, R-123, R-125, R-134a, R-236Fa, R-402A, R-402B, R-404A, R-407C, R-410A, R-500, R-502, R-507 and RS-44.

Valve Type	Valve Type with Access Fitting	Connection (ODF)	A	В	С	D	E	F	Ball Port Diameter	Maximum Width	CV	Weight EBV (Pounds)	Weight EBVT (Pounds)
EBV-1020	_	1/4	6.50	0.31	0.56	1.80	3.44	_	0.50	1.38	_	0.70	_
EBV-1030	EBVT-1030	3/8	6.50	0.31	0.56	1.80	3.44	1.75	0.50	1.38	3.60	0.70	0.77
EBV-1040	EBVT-1040	1/2	6.50	0.38	0.56	1.80	3.44	1.75	0.50	1.38	7.40	0.70	0.77
EBV-1050	EBVT-1050	5/8	6.50	0.50	0.56	1.80	3.44	1.75	0.50	1.38	14.60	0.70	0.77
EBV-1060	_	3/4	6.56	0.63	0.73	1.96	3.46	_	0.75	1.88	22.30	1.00	_
EBV-1070	EBVT-1070	7/8	6.56	0.75	0.73	1.96	3.46	2.00	0.75	1.88	30.00	1.00	1.10
EBV-1090	EBVT-1090	1-1/8	7.69	0.94	1.03	2.37	4.01	1.75	1.00	2.31	62.00	2.20	2.42
EBV-1110	EBVT-1110	1-3/8	8.88	1.00	1.42	2.73	4.49	2.21	1.50	3.19	110.00	3.80	4.18
EBV-1130	EBVT-1130	1-5/8	9.13	1.09	1.42	2.73	4.62	2.21	1.50	3.19	135.00	3.80	4.18
EBV-1170	EBVT-1170	2-1/8	9.88	1.34	1.85	3.11	5.07	2.57	2.01	4.06	270.00	8.00	8.80
EBV-2210*	_	2-5/8	12.88	1.44	1.85	3.11	6.57	_	2.01	4.06	250.00	11.0	_
EBV-2250*	_	3-1/8	13.75	1.63	1.85	3.11	7.01	_	2.01	4.06	240.00	11.0	_
EBV-1210	EBVT-1210	2-5/8	12.92	1.50	2.30	3.95	6.52	3.35	2.44	4.65	340.00	15.0	15.8
EBV-1250	EBVT-1250	3-1/8	16.31	1.69	2.75	4.35	8.32	3.63	2.91	5.63	480.00	25.0	26.0
EBV-2290*	_	3-5/8	16.03	1.94	2.75	4.35	8.32	_	2.91	5.63	455.00	26.0	_
EBV-2330*	_	4-1/8	16.03	1.94	2.75	4.35	8.32	_	2.91	5.63	430.00	27.0	_

^{*} Reduced port

EBV Series

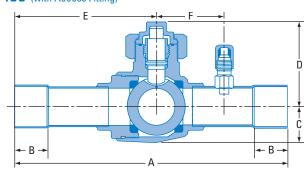




Seal Cap

Exclusive Seal Cap design permits operation of valve without removal. Markings on cap top designates at-a-glance open or closed ball position.

EBUT Series (with Access Fitting)



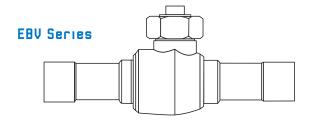
Nomenclature

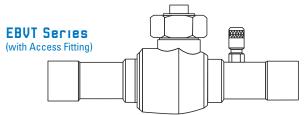
Example EBVT-1030

EBV	Т	-	1	03	0
Valve Type	Access Fitting (Optional)		Series: 1 = Full Port 2 = Reduced port	Fitting Size: (In eighths of an inch) ie: 03 = 3/8"	Fitting Configuration: 0 = ODF x ODF









Brazing Instructions

- 1. DO NOT DISASSEMBLE.
- 2. WRAPTHE BODY OF THE VALVE WITH A WET RAG (to dissipate heat- overheating causes damage).
- 3. Bleed dry nitrogen or CO₂ through the valve while brazing (to reduce carbon formation internally).
- 4. Use flux with silver brazing alloys, flow temperature 1100°F/1300°F (593°C/704°C).
- 5. Flux not required with phoscopper alloys, flow temperature 1300°F/1500°F (704°C/815°C), on copper to copper joints, but flux is recommended for deeper penetration and more uniform results with all alloys.

 CO_2

or

 N_2

- 6. Use large enough torch to rapidly heat joint to brazing temperature. Direct flame away from existing copper to brass joints.
- 7. Quench to reduce heat spread after brazing.

Operating Notes

- 1. Rotate flats on swivel type seal cap using adjustable wrench. Turn 90° against the mechanical stops. Align open arrow with refrigerant line for non-directional flow. Turn clock-wise to close; counter-clockwise to open.
- 2. This valve contains mechanical stops. DO NOT USE EXCESSIVE FORCE AGAINST STOPS OR PERMANENT DAMAGE MAY OCCUR.
- 3. Valves are designed for use with R-11, R-12, R-22, R-123, R-125, R-134a, R-236Fa, R-402A, R-402B, R-404A, R-407C, R-410A, R-500, R-507 and RS-44.

Notice: DO NOT DISASSEMBLE VALVE FOR ANY REASON.

For use with CFC, HFC, and HCFC refrigerants listed in CAN/CSA B52 and ANSI/ASHRAE 15 Sec. 9.2 where the saturation vapor pressure at 125°F (high side) and 80°F (low side) is less than the maximum design working pressure. After charging, mark unit with refrigerant type and oil type.

NOTE: WARRANTY IS VOID IF THESE INSTRUCTIONS ARE NOT FOLLOWED.



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