

GBV SERIES | *Ball Valve*



The GBV series stainless steel ball valve is applicable for air conditioning and refrigeration systems requiring a means to shut off refrigerant flow in a circuit. The valve allows a refrigerant charge in a system to be isolated. The valve can also be used for system evacuation or refrigerant charging.

FEATURES

- FULL PORT, LOW PRESSURE DROP
- STAINLESS STEEL BODY AND TUBES, WITHSTANDS HIGH PRESSURES
- ADVANCED WELDING PROCESSES RESULT IN LOWER INTERNAL LEAKAGE RATES AND SMOOTHER OPERATION
- LIGHTWEIGHT YET VERY STRONG WITH HIGH VIBRATION RESISTANCE
- BIDIRECTIONAL FLOW
- STAINLESS STEEL TUBE WITH COPPER INSERTS PROVIDE TROUBLE-FREE BRAZING
- INTEGRATED CAP DOES NOT NEED TO BE REMOVED TO OPEN/CLOSE THE VALVE
- ANTI-ROTATING VALVE STEM
- LEAD-FREE DESIGN REDUCES CARBON FOOTPRINT AROUND 50% VS BRASS VALVE

GENERAL SPECIFICATION

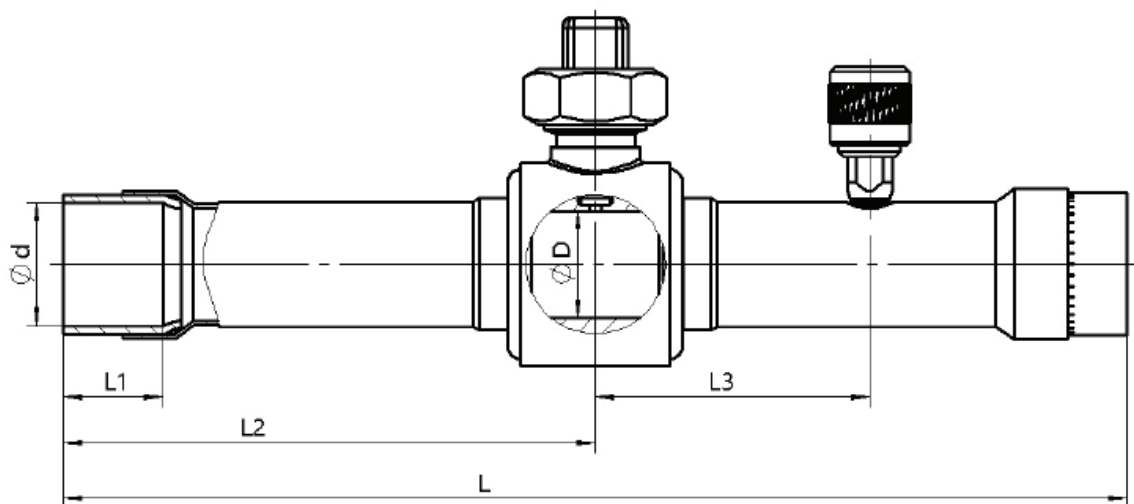
- Medium temperature, TS min./max.: -40°C / +150°C (-40°F / +302°F)
- Max. operating pressure, PS: 49bar (711 psig)
- Install in any position and in any section (liquid, suction, or discharge line)
- Certifications: UL SA4478
- Approved refrigerants: R32, R22, R134a, R404A, R407A, R407C, R407F, R410A, R448A, R449A, R450A, R452A, R454B, R507, R513A, R1234yf, R1234ze, R454A, R454C, R455A, R290, R152A, R447A, R449B, R452B, R457A, R600, R600a, R471A, R507A, R1233zd(E)

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GENERAL CHARACTERISTICS

Without Access Fitting	Connections Ø d ODF		Cv	PED Category (Fluid Group 1)	PED Category (Fluid Group 2)	With Access Fitting
Model	in	mm	gpm	Ød	L	Model
GBV05H001	5/8	16	16	Art.4.3	Art.4.3	GBV05H003
GBV06H001	3/4	-	24	Art. 4.3	Art.4.3	GBV06H003
GBV07H001	7/8	22	34	Art. .3	Art.4.3	GBV07H003
GBV09H001	1-1/8	-	63	*	Art.4.3	GBV09H003
GBV11H001	1-3/8	35	99	*	*	GBV11H003
GBV13H001	1-5/8	-	155	*	*	GBV13H003

Note: *PED certifications is in process



DIMENSIONS

Product Number		Connection Ø d ODF		L	L1	L2	L31	Ø D
Without Access Fitting	With Access Fitting	in	mm	mm (in)	mm (in)	mm (in)	mm (in)	mm (in)
GBV05H001	GBV05H003	5/8	16	158 (6.22)	13 (0.51)	79 (3.11)	37 (1.46)	14 (0.55)
GBV06H001	GBV06H003	3/4	-	188 (7.40)	17 (0.67)	94 (3.70)	48.5 (1.91)	19 (0.75)
GBV07H001	GBV07H003	7/8	22	188 (7.40)	17.5 (0.69)	94 (3.70)	48.5 (1.91)	19 (0.75)
GBV09H001	GBV09H003	1-1/8	-	206 (8.11)	20 (0.79)	103 (4.06)	43.5 (1.71)	25 (0.98)
GBV11H001	GBV11H003	1-3/8	35	250 (9.84)	25 (0.98)	125 (4.92)	56 (2.20)	32 (1.26)
GBV13H001	GBV13H003	1-5/8	-	275 (10.83)	25 (0.98)	137 (5.39)	60 (2.36)	38 (1.50)