

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	With Access Fitting	Connections \varnothing d ODF		Kv	Connections \varnothing d ODF	L	L1	L2	L3
Model	Model	in	mm	m ³ /h	mm	mm	mm	mm	mm
GBV02H002	GBV02H004	-	6	1.9	132	8	66	37.8	12.5
GBV02H001	GBV02H003	1/4	-	1.9	132	8	66	37.8	12.5
GBV03H002	GBV03H004	-	10	5.5	132	10	66	37.8	12.5
GBV03H001	GBV03H003	3/8	-	5.5	132	10	66	37.8	12.5
GBV04H002	GBV04H004	-	12	7.3	160	13	80	37.8	12.5
GBV04H001	GBV04H003	1/2	-	7.3	160	13	80	37.8	12.5
GBV05H002	GBV05H004	-	15	13.8	158	13	79	37	14
GBV05H001	GBV05H003	5/8	16	13.8	158	13	79	37	14
GBV06H002	GBV06H004	-	18	20.6	188	17	94	48.5	19
GBV06H001	GBV06H003	3/4	-	20.6	188	17	94	48.5	19
GBV07H001	GBV07H003	7/8	22	29	188	17.5	94	48.5	19
GBV09H002	GBV09H004	-	28	54.3	206	20	103	43.5	25
GBV09H001	GBV09H003	1-1/8	-	54.3	206	20	103	43.5	25
GBV11H001	GBV11H003	1-3/8	35	85.5	250	25	125	56	32
GBV13H001	GBV13H003	1-5/8	-	133.7	275	25	137	60	38
GBV13H002	GBV13H004	-	42	133.7	275	25	137	60	38

Note: 1.*The models without access fitting have no dimension of 'L3'.
 2. Other side of connections are available on request.

