

Service guide

# GBC, GBCH and GBCT Ball Valves

## Cross-reference list



# GBC, GBCH and GBCT Ball Valves

## for Refrigeration Applications

CASTEL							Danfoss GBC							
Code	Access Port	Connection (in)	Connection (mm)	Kv [m³/h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m³/h]	Working temperature *C	Maximum working pressure (PS) bar
<b>Standard version</b>														
6570N/M6	No		6	0,8	-40~150	50	009L7030	GBC 6s	No		6	1,83	-40~150	<u>45</u>
6570N/2	No	1/4		0,8	-40~150	50	009L7020	GBC 6s	No	1/4		1,83	-40~150	<u>45</u>
6570N/3	No	3/8		3	-40~150	50	009L7021	GBC 10s	No	3/8		8,04	-40~150	<u>45</u>
6570N/M10	No		10	3	-40~150	50	009L7031	GBC 10s	No		10	8,04	-40~150	<u>45</u>
6570N/M12	No		12	5	-40~150	50	009L7032	GBC 12s	No		12	13,17	-40~150	<u>45</u>
6570N/4	No	1/2		5	-40~150	50	009L7022	GBC 12s	No	1/2		13,17	-40~150	<u>45</u>
6571N/5	No	5/8	16	5	-40~150	50	/	/	/	/	/	/	/	/
6570N/M15	No		15	17	-40~150	50	/	/	/	/	/	/	/	/
6570N/5	No	5/8	16	17	-40~150	50	009L7023	GBC 16s	No	5/8	16	15,66	-40~150	<u>45</u>
6570N/M18	No		18	17	-40~150	50	009L7035	GBC 18s	No		18	21,93	-40~150	<u>45</u>
6570N/6	No	3/4		17	-40~150	50	009L7024	GBC 18s	No	3/4		21,93	-40~150	<u>45</u>
6571N/7	No	7/8	22	17	-40~150	50	/	/	/	/	/	/	/	/
6570N/7	No	7/8	22	29	-40~150	50	009L7025	GBC 22s	No	7/8	22	33,34	-40~150	<u>45</u>
6571N/M28	No		28	29	-40~150	50	/	/	/	/	/	/	/	/
6571N/9	No	1 1/8		29	-40~150	50	/	/	/	/	/	/	/	/
6570N/M28	No		28	51	-40~150	50	009L7033	GBC 28s	No		28	62,25	-40~150	<u>45</u>
6570N/9	No	1 1/8		51	-40~150	50	009L7026	GBC 28s	No	1 1/8		62,25	-40~150	<u>45</u>
6571N/11	No	1 3/8	35	51	-40~150	50	/	/	/	/	/	/	/	/
6570N/11	No	1 3/8	35	86	-40~150	50	009L7027	GBC 35s	No	1 3/8	35	92,76	-40~150	<u>45</u>
6570N/13	No	1 5/8		117	-40~150	50	009L7028	GBC 42s	No	1 5/8		134,76	-40~150	<u>45</u>
6570N/M42	No		42	117	-40~150	50	009L7034	GBC 42s	No		42	134,76	-40~150	<u>45</u>
6570N/17	No	2 1/8	54	214	-40~150	50	009L7029	GBC 54s	No	2 1/8	54	240,11	-40~121	<u>45</u>
6570N/M64	No		64	380	-40~150	50	009L7959	GBC 67s	No	2 5/8		367,38	-40~121	<u>45</u>
6570N/M6A	Yes		6	0,8	-40~150	50	009L7060	GBC 6s	Yes		6	1,83	-40~150	<u>45</u>
6570N/2A	Yes	1/4		0,8	-40~150	50	009L7050	GBC 6s	Yes	1/4		1,83	-40~150	<u>45</u>
6570N/3A	Yes	3/8		3	-40~150	50	009L7051	GBC 10s	Yes	3/8		8,04	-40~150	<u>45</u>
6570N/M10A	Yes		10	3	-40~150	50	009L7061	GBC 10s	Yes		10	8,04	-40~150	<u>45</u>
6570N/M12A	Yes		12	5	-40~150	50	009L7062	GBC 12s	Yes		12	13,17	-40~150	<u>45</u>
6570N/4A	Yes	1/2		5	-40~150	50	009L7052	GBC 12s	Yes	1/2		13,17	-40~150	<u>45</u>
6570N/M15A	Yes		15	17	-40~150	50	/	/	/	/	/	/	/	/
6570N/5A	Yes	5/8	16	17	-40~150	50	009L7053	GBC 16s	Yes	5/8	16	15,66	-40~150	<u>45</u>
6570N/M18A	Yes		18	17	-40~150	50	009L7065	GBC 18s	Yes		18	21,93	-40~150	<u>45</u>
6570N/6A	Yes	3/4		17	-40~150	50	009L7054	GBC 18s	Yes	3/4		21,93	-40~150	<u>45</u>
6570N/7A	Yes	7/8	22	29	-40~150	50	009L7055	GBC 22s	Yes	7/8	22	33,34	-40~150	<u>45</u>
6570N/M28A	Yes		28	51	-40~150	50	009L7063	GBC 28s	Yes		28	62,25	-40~150	<u>45</u>
6570N/9A	Yes	1 1/8		51	-40~150	50	009L7056	GBC 28s	Yes	1 1/8		62,25	-40~150	<u>45</u>
6570N/11A	Yes	1 3/8	35	86	-40~150	50	009L7057	GBC 35s	Yes	1 3/8	35	92,76	-40~150	<u>45</u>
6570N/13A	Yes	1 5/8		117	-40~150	50	009L7058	GBC 42s	Yes	1 5/8		134,76	-40~150	<u>45</u>
6570N/M42A	Yes		42	117	-40~150	50	009L7064	GBC 42s	Yes		42	134,76	-40~150	<u>45</u>
6570N/17A	Yes	2 1/8	54	214	-40~150	50	009L7059	GBC 54s	Yes	2 1/8	54	240,11	-40~121	<u>45</u>
6570N/M64A	Yes		64	380	-40~150	50	/	/	/	/	/	/	/	/
6570N/21A	Yes	2 5/8		380	-40~150	50	009L7960	GBC 67s	Yes	2 5/8		367,38	-40~121	<u>45</u>
6570N/24A	Yes	3	76	550	-40~150	50	/	/	/	/	/	/	/	/
6570N/25A	Yes	3 1/8	80	550	-40~150	50	009L7981	GBC 79s	Yes	3 1/8		528,87	-40~121	<u>45</u>
6570N/28A	Yes	3 1/2	89	710	-40~150	35	/	/	/	/	/	/	/	/
6570N/29A	Yes	3 5/8	92	710	-40~150	35	/	/	/	/	/	/	/	/
<b>CO2 Low pressure</b>														
6570EL/M6	No		6	0,8	-40~150	60	009L7570	GBC 6s	No		6	1,74	-40~100	<u>45</u>
6570EL/2	No	1/4		0,8	-40~150	60	009L7520	GBC 6s	No	1/4		1,74	-40~100	<u>45</u>
6570EL/3	No	3/8		3	-40~150	60	009L7521	GBC 10s	No	3/8		7,52	-40~100	<u>45</u>
6570EL/M10	No		10	3	-40~150	60	009L7571	GBC 10s	No		10	7,52	-40~100	<u>45</u>

\*45 – Pressure is lower than CASTEL. It is important to check requirements before you will replace the valve.

CASTEL							Danfoss GBC							
Code	Access Port	Connection (in)	Connection (mm)	Kv [m³/h]	Working temperature °C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m³/h]	Working temperature °C	Maximum working pressure (PS) bar
6570EL/M12	No		12	5	-40~150	60	009L7572	GBC 12s	No		12	12,92	-40~100	45
6570EL/4	No	1/2		5	-40~150	60	009L7522	GBC 12s	No	1/2		12,92	-40~100	45
6570EL/5	No	5/8	16	17	-40~150	60	009L7523	GBC 16s	No	5/8	16	15,66	-40~100	45
6570EL/M18	No		18	17	-40~150	60	009L7574	GBC 18s	No		18	21,93	-40~100	45
6570EL/6	No	3/4		17	-40~150	60	009L7524	GBC 18s	No	3/4		21,93	-40~100	45
6570EL/7	No	7/8	22	29	-40~150	60	009L7525	GBC 22s	No	7/8	22	33,34	-40~100	45
6570EL/M28	No		28	51	-40~150	60	009L7576	GBC 28s	No		28	62,25	-40~100	45
6570EL/9	No	1 1/8		51	-40~150	60	009L7526	GBC 28s	No	1 1/8		62,25	-40~100	45
6570EL/11	No	1 3/8	35	86	-40~150	60	009L7528	GBC 35s	No	1 3/8	35	92,76	-40~100	45
6570EL/13	No	1 5/8		117	-40~150	60	009L7529	GBC 42s	No	1 5/8		134,76	-40~100	45
6570EL/M42	No		42	117	-40~150	60	009L7579	GBC 42s	No		42	134,76	-40~100	45
6570EL/17	No	2 1/8	54	214	-40~150	60	/	/	/	/	/	/	/	/
6570E/M6	No		6	0,8	-40~150	80	009L7395	GBCH 6s	No		6	1,78	-40~100	90
6570E/2	No	1/4		0,8	-40~150	80	009L7415	GBCH 6s	No	1/4		1,78	-40~100	90
6570E/3	No	3/8		3	-40~150	80	009L7416	GBCH 10s	No	3/8		6,31	-40~100	90
6570E/M10	No		10	3	-40~150	80	009L7396	GBCH 10s	No		10	6,31	-40~100	90
6570E/M12	No		12	5	-40~150	80	009L7397	GBCH 12s	No		12	12,87	-40~100	90
6570E/4	No	1/2		5	-40~150	80	009L7417	GBCH 12s	No	1/2		12,87	-40~100	90
6570E/5	No	5/8	16	17	-40~150	80	009L7418	GBCH 16s	No	5/8	16	11,77	-40~100	90
6570E/M18	No		18	17	-40~150	80	009L7399	GBCH 18s	No		18	31,07	-40~100	90
6570E/6	No	3/4		17	-40~150	80	009L7419	GBCH 18s	No	3/4		31,07	-40~100	90
6570E/7	No	7/8	22	29	-40~150	80	009L7420	GBCH 22s	No	7/8	22	24,47	-40~100	90
6570E/M28	No		28	51	-40~150	80	009L7406	GBCH 28s	No		28	96,72	-40~100	90
6570E/9	No	1 1/8		51	-40~150	80	/	/	/	/	/	/	/	/
6570E/11	No	1 3/8	35	86	-40~150	80	009L7410	GBCH 35s	No		35	106,95	-40~100	75
6570E/13	No	1 5/8		117	-40~150	80	/	/	/	/	/	/	/	/
6570E/M42	No		42	117	-40~150	80	009L7411	GBCH 42s	No		42	150,98	-40~100	75
6570E/17	No	2 1/8	54	214	-40~150	80	/	/	/	/	/	/	/	/
6570E/M6A	Yes		6	0,8	-40~150	80	009L7580	GBCH 6s	Yes		6	1,78	-40~100	90
6570E/2A	Yes	1/4		0,8	-40~150	80	009L7581	GBCH 6s	Yes	1/4		1,78	-40~100	90
6570E/3A	Yes	3/8		3	-40~150	80	009L7582	GBCH 10s	Yes	3/8		6,31	-40~100	90
6570E/M10A	Yes		10	3	-40~150	80	009L7583	GBCH 10s	Yes		10	6,31	-40~100	90
6570E/M12A	Yes		12	5	-40~150	80	009L7584	GBCH 12s	Yes		12	12,87	-40~100	90
6570E/4A	Yes	1/2		5	-40~150	80	009L7585	GBCH 12s	Yes	1/2		12,87	-40~100	90
6570E/5A	Yes	5/8	16	17	-40~150	80	009L7586	GBCH 16s	Yes	5/8	16	11,77	-40~100	90
6570E/M18A	Yes		18	17	-40~150	80	009L7587	GBCH 18s	Yes		18	31,07	-40~100	90
6570E/6A	Yes	3/4		17	-40~150	80	009L7588	GBCH 18s	Yes	3/4		31,07	-40~100	90
6570E/7A	Yes	7/8	22	29	-40~150	80	009L7589	GBCH 22s	Yes	7/8	22	24,47	-40~100	90
6570E/M28A	Yes		28	51	-40~150	80	/	/	/	/	/	/	/	/
6570E/9A	Yes	1 1/8		51	-40~150	80	/	/	/	/	/	/	/	/
6570E/11A	Yes	1 3/8	35	86	-40~150	80	/	/	/	/	/	/	/	/
6570E/13A	Yes	1 5/8		117	-40~150	80	/	/	/	/	/	/	/	/
6570E/M42A	Yes		42	117	-40~150	80	/	/	/	/	/	/	/	/
6570E/17A	Yes	2 1/8	54	214	-40~150	80	/	/	/	/	/	/	/	/
CO2 High pressure														
6577E/2	No	1/4		0,8	-40~150	130	009L6415	GBCT 6s	No	1/4		0,9	-40~149	140
6577E/3	No	3/8		3	-40~150	130	009L6416	GBCT 10s	No	3/8		3,7	-40~149	140
6577E/4	No	1/2		5	-40~150	130	009L6417	GBCT 12s	No	1/2		5,4	-40~149	140
6577E/5	No	5/8	16	17	-40~150	130	009L6418	GBCT 16s	No	5/8	16	10,4	-40~149	140
6577E/6	No	3/4		17	-40~150	130	009L6419	GBCT 18s	No	3/4		16,4	-40~149	140
6577E/7	No	7/8	22	29	-40~150	130	009L6420	GBCT 22s	No	7/8	22	23,7	-40~149	140
6577E/9	No	1 1/8		51	-40~150	130	009L6406	GBCT 28s	No	1 1/8		42,3	-40~149	140
6577E/11	No	1 3/8	35	86	-40~150	130	009L6410	GBCT 35s	No	1 3/8	35	67,1	-40~149	140
6577E/13	No	1 5/8		117	-40~150	130	009L6411	GBCT 42s	No	1 5/8		83,1	-40~149	140
6577E/17	No	2 1/8	54	214	-40~150	120	009L6412	GBCT 54s	No	2 1/8	54	171,3	-40~149	140

Working temperature  
GBC 6s - GBC 42s: -40 °C – 100°C for long term use  
>100°C – 150°C for short term use  
GBC 54s - GBC 79s: -40 °C – 100°C for long term use  
>100°C – 121°C for short term use

\*45 – Pressure is lower than CASTEL. It is important to check requirements before you will replace the valve.

# GBC, GBCH and GBCT Ball Valves

## for Refrigeration Applications

GMC							Danfoss GBC							
Code	Access Port	Connection (in)	Connection (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar
Standard version														
BV2	No	1/4		1,1	-40~150	45	009L7020	GBC 6s	No	1/4		1,83	-40~150	45
BV3	No	3/8		3,2	-40~150	45	009L7021	GBC 10s	No	3/8		8,04	-40~150	45
BVM10	No		10	3,2	-40~150	45	009L7031	GBC 10s	No		10	8,04	-40~150	45
BVM12	No		12	6	-40~150	45	009L7032	GBC 12s	No		12	13,17	-40~150	45
BV4	No	1/2		6	-40~150	45	009L7022	GBC 12s	No	1/2		13,17	-40~150	45
BV5	No	5/8	16	14,2	-40~150	45	009L7023	GBC 16s	No	5/8	16	15,66	-40~150	45
BVM18	No		18	18	-40~150	45	009L7035	GBC 18s	No		18	21,93	-40~150	45
BV6	No	3/4		18	-40~150	45	009L7024	GBC 18s	No	3/4		21,93	-40~150	45
BV7	No	7/8	22	27,5	-40~150	45	009L7025	GBC 22s	No	7/8	22	33,34	-40~150	45
BV9R	No	1 1/8		27,5	-40~150	45	/	/	/	/	/	/	/	/
BVM28	No		28	40,5	-40~150	45	009L7033	GBC 28s	No		28	62,25	-40~150	45
BV9	No	1 1/8		40,5	-40~150	45	009L7026	GBC 28s	No	1 1/8		62,25	-40~150	45
BV11R	No	1 3/8	35	40,5	-40~150	45	/	/	/	/	/	/	/	/
BV11	No	1 3/8	35	67,5	-40~150	45	009L7027	GBC 35s	No	1 3/8	35	92,76	-40~150	45
BV13R	No	1 5/8		67,5	-40~150	45	/	/	/	/	/	/	/	/
BVM42R	No		42	67,5	-40~150	45	/	/	/	/	/	/	/	/
BV13	No	1 5/8		115	-40~150	45	009L7028	GBC 42s	No	1 5/8		134,76	-40~150	45
BVM42	No		42	115	-40~150	45	009L7034	GBC 42s	No		42	134,76	-40~150	45
BV17R	No	2 1/8	54	115	-40~150	45	/	/	/	/	/	/	/	/
BV17	No	2 1/8	54	185	-40~150	45	009L7029	GBC 54s	No	2 1/8	54	240,11	-40~121	45
BV21	No	2 5/8		185	-40~150	45	009L7036	GBC 67s RP	No	2 5/8		203,12	-40~121	45
BVM64R	No		64	190	-40~150	45	/	/	/	/	/	/	/	/
BVM64	No		64	295	-40~150	45	/	/	/	/	/	/	/	/
BV21D	No	2 5/8		295	-40~150	45	009L7959	GBC 67s	No	2 5/8		367,38	-40~121	45
BV24R	No	3	76	295	-40~150	45	/	/	/	/	/	/	/	/
BV25R	No	3 1/8	80	295	-40~150	45	009L7980	GBC 79s	No	3 1/8		528,87	-40~121	45
BV2A	Yes	1/4		1,1	-40~150	45	009L7050	GBC 6s	Yes	1/4		1,83	-40~150	45
BV3A	Yes	3/8		3,2	-40~150	45	009L7051	GBC 10s	Yes	3/8		8,04	-40~150	45
BVM10A	Yes		10	3,2	-40~150	45	009L7061	GBC 10s	Yes		10	8,04	-40~150	45
BVM12A	Yes		12	6	-40~150	45	009L7062	GBC 12s	Yes		12	13,17	-40~150	45
BV4A	Yes	1/2		6	-40~150	45	009L7052	GBC 12s	Yes	1/2		13,17	-40~150	45
BV5A	Yes	5/8	16	14,2	-40~150	45	009L7053	GBC 16s	Yes	5/8	16	15,66	-40~150	45
BVM18A	Yes		18	18	-40~150	45	009L7065	GBC 18s	Yes		18	21,93	-40~150	45
BV6A	Yes	3/4		18	-40~150	45	009L7054	GBC 18s	Yes	3/4		21,93	-40~150	45
BV7A	Yes	7/8	22	27,5	-40~150	45	009L7055	GBC 22s	Yes	7/8	22	33,34	-40~150	45
BVM28A	Yes		28	40,5	-40~150	45	009L7063	GBC 28s	Yes		28	62,25	-40~150	45
BV9A	Yes	1 1/8		40,5	-40~150	45	009L7056	GBC 28s	Yes	1 1/8		62,25	-40~150	45
BV11A	Yes	1 3/8	35	67,5	-40~150	45	009L7057	GBC 35s	Yes	1 3/8	35	92,76	-40~150	45
BV13A	Yes	1 5/8		115	-40~150	45	009L7058	GBC 42s	Yes	1 5/8		134,76	-40~150	45
BVM42A	Yes		42	115	-40~150	45	009L7064	GBC 42s	Yes		42	134,76	-40~150	45
BV17A	Yes	2 1/8	54	185	-40~150	45	009L7059	GBC 54s	Yes	2 1/8	54	240,11	-40~121	45
BV21A	Yes	2 5/8		185	-40~150	45	009L7066	GBC 67s RP	Yes	2 5/8		203,12	-40~121	45

GMC							Danfoss GBC							
Code	Access Port	Connection (in)	Connection (mm)	Kv [m³/h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m³/h]	Working temperature *C	Maximum working pressure (PS) bar
BVM64RA	Yes		64	190	-40~150	45	/	/	/	/	/	/	/	/
BVM64A	Yes		64	295	-40~150	45	/	/	/	/	/	/	/	/
BV21DA	Yes	2 5/8		295	-40~150	45	009L7960	GBC 67s	Yes	2 5/8		367,38	-40~121	45
BV24RA	Yes	3	76	295	-40~150	45	/	/	/	/	/	/	/	/
BV25RA	Yes	3 1/8	80	295	-40~150	45	009L7981	GBC 79s	Yes	3 1/8		528,87	-40~121	45
<b>CO2 Low pressure</b>														
BVM10MP	No		10	3,2	-40~150	62	009L7396	GBCH 10s	No		10	6,31	-40~100	90
BVM12MP	No		12	6	-40~150	62	009L7397	GBCH 12s	No		12	12,87	-40~100	90
BV5MP	No	5/8	16	14,2	-40~150	62	009L7418	GBCH 16s	No	5/8	16	11,77	-40~100	90
BVM18MP	No		18	18	-40~150	62	009L7399	GBCH 18s	No		18	31,07	-40~100	90
BV6MP	No	3/4		18	-40~150	62	009L7419	GBCH 18s	No	3/4		31,07	-40~100	90
BV7MP	No	7/8	22	27,5	-40~150	62	009L7420	GBCH 22s	No	7/8	22	24,47	-40~100	90
BVM28MP	No		28	40,5	-40~150	62	009L7406	GBCH 28s	No		28	96,72	-40~100	90
BV9MP	No	1 1/8		40,5	-40~150	62	/	/	/	/	/	/	/	/
BV11MP	No	1 3/8	35	67,5	-40~150	62	009L7410	GBCH 35s	No		35	106,95	-40~100	75
BV13MP	No	1 5/8		115	-40~150	62	/	/	/	/	/	/	/	/
BVM42MP	No		42	115	-40~150	62	009L7411	GBCH 42s	No		42	150,98	-40~100	75
<b>CO2 High pressure</b>														
BV2HP	No	1/4		1,1	-40~150	120	009L6415	GBCT 6s	No	1/4		0,9	-40~149	140
BV3K	No	3/8		3,2	-40~150	120	009L6416	GBCT 10s	No	3/8		3,7	-40~149	140
BV4K	No	1/2		6	-40~150	120	009L6417	GBCT 12s	No	1/2		5,4	-40~149	140
BV5K	No	5/8	16	14,2	-40~150	120	009L6418	GBCT 16s	No	5/8	16	10,4	-40~149	140
BV6K	No	3/4		28	-40~150	120	009L6419	GBCT 18s	No	3/4		16,4	-40~149	140
BV7K	No	7/8	22	25	-40~150	120	009L6420	GBCT 22s	No	7/8	22	23,7	-40~149	140
BV9K	No	1 1/8		40,5	-40~150	120	009L6406	GBCT 28s	No	1 1/8		42,3	-40~149	140
BV11K	No	1 3/8	35	67	-40~150	120	009L6410	GBCT 35s	No	1 3/8	35	67,1	-40~149	140
BV13K	No	1 5/8		115	-40~150	120	009L6411	GBCT 42s	No	1 5/8		83,1	-40~149	140
BV17K	No	2 1/8	54	180	-40~150	120	009L6412	GBCT 54s	No	2 1/8	54	171,3	-40~149	140
BV2AHP	Yes	1/4		1,1	-40~150	120	009L6581	GBCT 6s	Yes	1/4		0,9	-40~149	140
BV3AK	Yes	3/8		3,2	-40~150	120	009L6582	GBCT 10s	Yes	3/8		3,7	-40~149	140
BV4AK	Yes	1/2		6	-40~150	120	009L6585	GBCT 12s	Yes	1/2		5,4	-40~149	140
BV5AK	Yes	5/8	16	14,2	-40~150	120	009L6586	GBCT 16s	Yes	5/8	16	10,4	-40~149	140
BV6AK	Yes	3/4		28	-40~150	120	009L6588	GBCT 18s	Yes	3/4		16,4	-40~149	140
BV7AK	Yes	7/8	22	25	-40~150	120	009L6589	GBCT 22s	Yes	7/8	22	23,7	-40~149	140
BV9AK	Yes	1 1/8		40,5	-40~150	120	009L6451	GBCT 28s	Yes	1 1/8		42,3	-40~149	140
BV11AK	Yes	1 3/8	35	67	-40~150	120	009L6453	GBCT 35s	Yes	1 3/8	35	67,1	-40~149	140
BV13AK	Yes	1 5/8		115	-40~150	120	009L6454	GBCT 42s	Yes	1 5/8		83,1	-40~149	140
BV17AK	Yes	2 1/8	54	180	-40~150	120	009L6456	GBCT 54s	Yes	2 1/8	54	171,3	-40~149	140

# GBC, GBCH and GBCT Ball Valves

## for Refrigeration Applications

Refrigera							Danfoss GBC							
Code	Access Port	Connection (mm)	Connection (in)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (mm)	Connection (in)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar
<b>Standard version</b>														
BV20Z006R0000	No	6		1,2	-40~150	52	/	/	/	/	/	/	/	/
BV20Z014R0000	No		1/4	1,2	-40~150	52	/	/	/	/	/	/	/	/
BV20Z008R0000	No	8	5/16	3,8	-40~150	52	/	/	/	/	/	/	/	/
BV20Z038R0000	No		3/8	4	-40~150	52	/	/	/	/	/	/	/	/
BV20Z010R0000	No	10		4	-40~150	52	/	/	/	/	/	/	/	/
BV20ZM12R0000	No	12		3,5	-40~150	52	/	/	/	/	/	/	/	/
BV20Z012R0000	No		1/2	3,5	-40~150	52	/	/	/	/	/	/	/	/
BV20A006R0000	No	6		1,1	-40~150	52	009L7030	GBC 6s	No	6		1,83	-40~150	45
BV20A014R0000	No		1/4	1,1	-40~150	52	009L7020	GBC 6s	No		1/4	1,83	-40~150	45
BV20A008R0000	No	8	5/16	3,4	-40~150	52	/	/	/	/	/	/	/	/
BV20A038R0000	No		3/8	3,5	-40~150	52	009L7021	GBC 10s	No		3/8	8,04	-40~150	45
BV20A010R0000	No	10		3,5	-40~150	52	009L7031	GBC 10s	No	10		8,04	-40~150	45
BV20AM12R0000	No	12		6,7	-40~150	52	009L7032	GBC 12s	No	12		13,17	-40~150	45
BV20A012R0000	No		1/2	6,7	-40~150	52	009L7022	GBC 12s	No		1/2	13,17	-40~150	45
BV20B015R0000	No	15		14,4	-40~150	52	/	/	/	/	/	/	/	/
BV20B016R0000	No	16	5/8	14,8	-40~150	52	009L7023	GBC 16s	No	16	5/8	15,66	-40~150	45
BV20B018R0000	No	18		17	-40~150	52	009L7035	GBC 18s	No	18		21,93	-40~150	45
BV20B034R0000	No		3/4	16,9	-40~150	52	009L7024	GBC 18s	No		3/4	21,93	-40~150	45
BV20C022R0000	No	22	7/8	29,3	-40~150	52	009L7025	GBC 22s	No	22	7/8	33,34	-40~150	45
BV20D028R0000	No	28		54,8	-40~150	52	009L7033	GBC 28s	No	28		62,25	-40~150	45
BV20D118R0000	No		1 1/8	55,1	-40~150	52	009L7026	GBC 28s	No		1 1/8	62,25	-40~150	45
BV20E035R0000	No	35	1 3/8	114,7	-40~150	52	009L7027	GBC 35s	No	35	1 3/8	92,76	-40~150	45
BV20F158R0000	No		1 5/8	156,2	-40~150	52	009L7028	GBC 42s	No		1 5/8	134,76	-40~150	45
BV20F042R0000	No	42		156,2	-40~150	52	009L7034	GBC 42s	No	42		134,76	-40~150	45
BV20G054R0000	No	54	2 1/8	354,8	-40~150	52	009L7029	GBC 54s	No	54	2 1/8	240,11	-40~121	45
BV20G064R0000	No	64		125,7	-40~150	45	/	/	/	/	/	/	/	/
BV20G258R0000	No		2 5/8	118,8	-40~150	45	009L7036	GBC 67s RP	No		2 5/8	203,12	-40~121	45
BV20H064R0000	No	64		499,3	-40~150	45	/	/	/	/	/	/	/	/
BV20H258R0000	No		2 5/8	494	-40~150	45	009L7959	GBC 67s	No		2 5/8	367,38	-40~121	45
BV20H076R0000	No	76	3	333,7	-40~150	45	/	/	/	/	/	/	/	/
BV20H080R0000	No	80	3 1/8	259,2	-40~150	45	009L7037	GBC 79s RP	No		3 1/8	171,89	-40~121	45
BV20L080R0000	No	80	3 1/8	701	-40~150	40	009L7980	GBC 79s	No		3 1/8	528,87	-40~121	45
BV20L089R0000	No	89	3 1/2	768,1	-40~150	40	/	/	/	/	/	/	/	/
BV20L092R0000	No	92	3 5/8	503,1	-40~150	40	/	/	/	/	/	/	/	/
BV20L105R0000	No	105	4 1/8		-40~150	40	/	/	/	/	/	/	/	/
BV20L108R0000	No	108	4 1/4	312,7	-40~150	40	/	/	/	/	/	/	/	/
SV20A006R0000	Yes	6		1,1	-40~150	52	009L7060	GBC 6s	Yes	6		1,83	-40~150	45
SV20A014R0000	Yes		1/4	1,1	-40~150	52	009L7050	GBC 6s	Yes		1/4	1,83	-40~150	45
SV20A008R0000	Yes	8	5/16	3,4	-40~150	52	/	/	/	/	/	/	/	/
SV20A038R0000	Yes		3/8	3,5	-40~150	52	009L7051	GBC 10s	Yes		3/8	8,04	-40~150	45
SV20A010R0000	Yes	10		3,5	-40~150	52	009L7061	GBC 10s	Yes	10		8,04	-40~150	45
SV20AM12R0000	Yes	12		6,7	-40~150	52	009L7062	GBC 12s	Yes	12		13,17	-40~150	45
SV20A012R0000	Yes		1/2	6,7	-40~150	52	009L7052	GBC 12s	Yes		1/2	13,17	-40~150	45
SV20B015R0000	Yes	15		14,4	-40~150	52	/	/	/	/	/	/	/	/
SV20B016R0000	Yes	16	5/8	14,8	-40~150	52	009L7053	GBC 16s	Yes	16	5/8	15,66	-40~150	45
SV20B018R0000	Yes	18		17	-40~150	52	009L7065	GBC 18s	Yes	18		21,93	-40~150	45

\*45 – Pressure is lower than REFRIGERA. It is important to check requirements before you will replace the valve.

Refrigera							Danfoss GBC							
Code	Access Port	Connection (mm)	Connection (in)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (mm)	Connection (in)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar
SV20B034R0000	Yes		3/4	16,9	-40~150	52	009L7054	GBC 18s	Yes		3/4	21,93	-40~150	45
SV20C022R0000	Yes	22	7/8	29,3	-40~150	52	009L7055	GBC 22s	Yes	22	7/8	33,34	-40~150	45
SV20D028R0000	Yes	28		54,8	-40~150	52	009L7063	GBC 28s	Yes	28		62,25	-40~150	45
SV20D118R0000	Yes		1 1/8	55,1	-40~150	52	009L7056	GBC 28s	Yes		1 1/8	62,25	-40~150	45
SV20E035R0000	Yes	35	1 3/8	114,7	-40~150	52	009L7057	GBC 35s	Yes	35	1 3/8	92,76	-40~150	45
SV20F158R0000	Yes		1 5/8	156,2	-40~150	52	009L7058	GBC 42s	Yes		1 5/8	134,76	-40~150	45
SV20F042R0000	Yes	42		156,2	-40~150	52	009L7064	GBC 42s	Yes	42		134,76	-40~150	45
SV20G054R0000	Yes	54	2 1/8	354,8	-40~150	52	009L7059	GBC 54s	Yes	54	2 1/8	240,11	-40~121	45
SV20G064R0000	Yes	64		125,7	-40~150	45	/	/	/	/	/	/	/	/
SV20G258R0000	Yes		2 5/8	118,8	-40~150	45	009L7066	GBC 67s RP	Yes		2 5/8	203,12	-40~121	45
SV20H064R0000	Yes	64		499,3	-40~150	45	/	/	/	/	/	/	/	/
SV20H258R0000	Yes		2 5/8	494	-40~150	45	009L7960	GBC 67s	Yes		2 5/8	367,38	-40~121	45
SV20H076R0000	Yes	76	3	333,7	-40~150	45	/	/	/	/	/	/	/	/
SV20H080R0000	Yes	80	3 1/8	259,2	-40~150	45	009L7067	GBC 79s RP	Yes		3 1/8	171,89	-40~121	45
SV20L080R0000	Yes	80	3 1/8	701	-40~150	40	009L7981	GBC 79s	Yes		3 1/8	528,87	-40~121	45
SV20L089R0000	Yes	89	3 1/2	768,1	-40~150	40	/	/	/	/	/	/	/	/
SV20L092R0000	Yes	92	3 5/8	503,1	-40~150	40	/	/	/	/	/	/	/	/
SV20L105R0000	Yes	105	4 1/8		-40~150	40	/	/	/	/	/	/	/	/
SV20L108R0000	Yes	108	4 1/4	312,7	-40~150	40	/	/	/	/	/	/	/	/
<b>CO2 Low pressure</b>														
BV21Z006R0000	No	6		1,2	-40~150	60	/	/	/	/	/	/	/	/
BV21Z014R0000	No		1/4"	1,2	-40~150	60	/	/	/	/	/	/	/	/
BV21Z008R0000	No	8	5/16"	3,8	-40~150	60	/	/	/	/	/	/	/	/
BV21Z038R0000	No		3/8"	4	-40~150	60	/	/	/	/	/	/	/	/
BV21Z010R0000	No	10		4	-40~150	60	/	/	/	/	/	/	/	/
BV21ZM12R0000	No	12		3,5	-40~150	60	/	/	/	/	/	/	/	/
BV21Z012R0000	No		1/2"	3,5	-40~150	60	/	/	/	/	/	/	/	/
BV21A006R0000	No	6		1,1	-40~150	60	009L7395	GBCH 6s	No	6		1,78	-40~100	90
BV21A014R0000	No		1/4"	1,1	-40~150	60	009L7415	GBCH 6s	No		1/4"	1,78	-40~100	90
BV21A008R0000	No	8	5/16"	3,4	-40~150	60	/	/	/	/	/	/	/	/
BV21A038R0000	No		3/8"	3,5	-40~150	60	009L7416	GBCH 10s	No		3/8"	6,31	-40~100	90
BV21A010R0000	No	10		3,5	-40~150	60	009L7396	GBCH 10s	No	10		6,31	-40~100	90
BV21AM12R0000	No	12		6,7	-40~150	60	009L7397	GBCH 12s	No	12		12,87	-40~100	90
BV21A012R0000	No		1/2"	6,7	-40~150	60	009L7417	GBCH 12s	No		1/2"	12,87	-40~100	90
BV21B015R0000	No	15		14,4	-40~150	60	/	/	/	/	/	/	/	/
BV21B016R0000	No	16	5/8"	14,8	-40~150	60	009L7418	GBCH 16s	No	16	5/8"	11,77	-40~100	90
BV21B018R0000	No	18		17	-40~150	60	009L7399	GBCH 18s	No	18		31,07	-40~100	90
BV21B034R0000	No		3/4"	16,9	-40~150	60	009L7419	GBCH 18s	No		3/4"	31,07	-40~100	90
BV21C022R0000	No	22	7/8"	29,3	-40~150	60	009L7420	GBCH 22s	No	22	7/8"	24,47	-40~100	90
BV21D028K0000	No	28		54,8	-40~150	60	009L7406	GBCH 28s	No	28		96,72	-40~100	90
BV21D118K0000	No		1-1/8"	50,3	-40~150	60	/	/	/	/	/	/	/	/
BV21E035R0000	No	35	1-3/8"	114,7	-40~150	52	009L7410	GBCH 35s	No	35		106,95	-40~100	75
BV21F158R0000	No		1-5/8"	156,2	-40~150	52	/	/	/	/	/	/	/	/
BV21F042R0000	No	42		156,9	-40~150	52	009L7411	GBCH 42s	No	42		150,98	-40~100	75
BV21G054R0000	No	54	2-1/8"	354,8	-40~150	52	/	/	/	/	/	/	/	/
BV21G064R0000	No	64		125,7	-40~150	45	/	/	/	/	/	/	/	/
BV21G258R0000	No		2-5/8"	118,8	-40~150	45	/	/	/	/	/	/	/	/
SV21A006R0000	Yes	6		1,1	-40~150	60	009L7580	GBCH 6s	Yes	6		1,78	-40~100	90
SV21A014R0000	Yes		1/4"	1,1	-40~150	60	009L7581	GBCH 6s	Yes		1/4"	1,78	-40~100	90
SV21A008R0000	Yes	8	5/16"	3,4	-40~150	60	/	/	/	/	/	/	/	/

\*45 – Pressure is lower than REFRIGERA. It is important to check requirements before you will replace the valve.

Refrigera							Danfoss GBC							
Code	Access Port	Connection (mm)	Connection (in)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (mm)	Connection (in)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar
SV21A038R0000	Yes		3/8"	3,5	-40~150	60	009L7582	GBCH 10s	Yes		3/8"	6,31	-40~100	90
SV21A010R0000	Yes	10		3,5	-40~150	60	009L7583	GBCH 10s	Yes	10		6,31	-40~100	90
SV21AM12R0000	Yes	12		6,7	-40~150	60	009L7584	GBCH 12s	Yes	12		12,87	-40~100	90
SV21A012R0000	Yes		1/2"	6,7	-40~150	60	009L7585	GBCH 12s	Yes		1/2"	12,87	-40~100	90
SV21B015R0000	Yes	15		14,4	-40~150	60	/	/	/	/	/	/	/	/
SV21B016R0000	Yes	16	5/8"	14,8	-40~150	60	009L7586	GBCH 16s	Yes	16	5/8"	11,77	-40~100	90
SV21B018R0000	Yes	18		17	-40~150	60	009L7587	GBCH 18s	Yes	18		31,07	-40~100	90
SV21B034R0000	Yes		3/4"	16,9	-40~150	60	009L7588	GBCH 18s	Yes		3/4"	31,07	-40~100	90
SV21C022R0000	Yes	22	7/8"	29,3	-40~150	60	009L7589	GBCH 22s	Yes	22	7/8"	24,47	-40~100	90
SV21D028K0000	Yes	28		54,8	-40~150	60	/	/	/	/	/	/	/	/
SV21D118K0000	Yes		1-1/8"	50,3	-40~150	60	/	/	/	/	/	/	/	/
SV21E035R0000	Yes	35	1-3/8"	114,7	-40~150	52	/	/	/	/	/	/	/	/
SV21F158R0000	Yes		1-5/8"	156,2	-40~150	52	/	/	/	/	/	/	/	/
SV21F042R0000	Yes	42		156,9	-40~150	52	/	/	/	/	/	/	/	/
SV21G054R0000	Yes	54	2-1/8"	354,8	-40~150	52	/	/	/	/	/	/	/	/
SV21G064R0000	Yes	64		125,7	-40~150	45	/	/	/	/	/	/	/	/
SV21G258R0000	Yes		2-5/8"	118,8	-40~150	45	/	/	/	/	/	/	/	/
<b>CO2 High pressure</b>														
BV21Z038K0000	No		3/8	4,5	-40~150	140	/	/	/	/	/	/	/	/
BV21Z010K0000	No	10		4,5	-40~150	140	/	/	/	/	/	/	/	/
BV21ZM12K0000	No	12		3,5	-40~150	140	/	/	/	/	/	/	/	/
BV21Z012K0000	No		1/2	3,5	-40~150	140	/	/	/	/	/	/	/	/
BV21A038K0000	No		3/8	3,5	-40~150	140	009L6416	GBCT 10s	No		3/8	3,7	-40~149	140
BV21A010K0000	No	10		3,5	-40~150	140	/	/	/	/	/	/	/	/
BV21AM12K0000	No	12		6,7	-40~150	140	/	/	/	/	/	/	/	/
BV21A012K0000	No		1/2	5,5	-40~150	140	009L6417	GBCT 12s	No		1/2	5,4	-40~149	140
BV21B015K0000	No	15		14,1	-40~150	140	/	/	/	/	/	/	/	/
BV21B016K0000	No	16	5/8	14,2	-40~150	140	009L6418	GBCT 16s	No		5/8	10,4	-40~149	140
BV21B018K0000	No	18		14,3	-40~150	140	/	/	/	/	/	/	/	/
BV21B034K0000	No		3/4	14,3	-40~150	140	009L6419	GBCT 18s	No		3/4	16,4	-40~149	140
BV21C022K0000	No	22	7/8	29,2	-40~150	140	009L6420	GBCT 22s	No		7/8	23,7	-40~149	140
BV21D028K0005	No	28		51	-40~150	140	/	/	/	/	/	/	/	/
BV21D118K0005	No		1 1/8	50,3	-40~150	140	009L6406	GBCT 28s	No		1 1/8	42,3	-40~149	140
BV21E035K0000	No	35	1 3/8	72,9	-40~150	140	009L6410	GBCT 35s	No		1 3/8	67,1	-40~149	140
BV21F158K0000	No		1 5/8	137,3	-40~150	120	009L6411	GBCT 42s	No		1 5/8	83,1	-40~149	120
BV21F042K0000	No	42		136,6	-40~150	120	/	/	/	/	/	/	/	/
SV21A038K0000	Yes		3/8	3,5	-40~150	140	009L6582	GBCT 10s	Yes		3/8	3,7	-40~149	140
SV21A010K0000	Yes	10		3,5	-40~150	140	/	/	/	/	/	/	/	/
SV21AM12K0000	Yes	12		6,7	-40~150	140	/	/	/	/	/	/	/	/
SV21A012K0000	Yes		1/2	5,5	-40~150	140	009L6585	GBCT 12s	Yes		1/2	5,4	-40~149	140
SV21B015K0000	Yes	15		14,1	-40~150	140	/	/	/	/	/	/	/	/
SV21B016K0000	Yes	16	5/8	14,2	-40~150	140	009L6586	GBCT 16s	Yes		5/8	10,4	-40~149	140
SV21B018K0000	Yes	18		14,3	-40~150	140	/	/	/	/	/	/	/	/
SV21B034K0000	Yes		3/4	14,3	-40~150	140	009L6588	GBCT 18s	Yes		3/4	16,4	-40~149	140
SV21C022K0000	Yes	22	7/8	29,2	-40~150	140	009L6589	GBCT 22s	Yes		7/8	23,7	-40~149	140
SV21D028K0005	Yes	28		51	-40~150	140	/	/	/	/	/	/	/	/
SV21D118K0005	Yes		1 1/8	50,3	-40~150	140	009L6451	GBCT 28s	Yes		1 1/8	42,3	-40~149	140

\*45 – Pressure is lower than REFRIGERA. It is important to check requirements before you will replace the valve.



# GBC, GBCH and GBCT Ball Valves

## for Refrigeration Applications

Sanhua								Danfoss GBC							
Model	Part Number	Access Port	Connection (in)	Connection (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar
<b>Standard version</b>															
SBV(M)-A2YHSY-2-SA	10150053902	No		6	1,9	-40~120	45	009L7030	GBC 6s	No		6	1,83	-40~150	45
SBV(M)-A2YHSY-1-SA	10150058302	No	1/4		1,9	-40~120	45	009L7020	GBC 6s	No	1/4		1,83	-40~150	45
SBV(M)-A3YHSY-2-SA	10150053702	No	3/8		5,5	-40~120	45	009L7021	GBC 10s	No	3/8		8,04	-40~150	45
SBV(M)-A3YHSY-1-SA	10150057302	No		10	5,5	-40~120	45	009L7031	GBC 10s	No		10	8,04	-40~150	45
SBV(M)-A4YHSY-2-SA	10150057402	No		12	10,2	-40~120	45	009L7032	GBC 12s	No		12	13,17	-40~150	45
SBV(M)-A4YHSY-1-SA	10150054102	No	1/2		10,2	-40~120	45	009L7022	GBC 12s	No	1/2		13,17	-40~150	45
SBV(M)-A5YHSY-2-SA	10150057602	No		15	13,2	-40~120	45	/	/	/	/	/	/	/	/
SBV(M)-A5YHSY-1-SA	10150053302	No	5/8		13,8	-40~120	45	009L7023	GBC 16s	No	5/8		15,66	-40~150	45
SBV(M)-A6YHSY-2-SA	10150054602	No		18	19,5	-40~120	45	009L7035	GBC 18s	No		18	21,93	-40~150	45
SBV(M)-A6YHSY-1-SA	10150054302	No	3/4		19,5	-40~120	45	009L7024	GBC 18s	No	3/4		21,93	-40~150	45
SBV(M)-A7YHSY-1-SA	10150053502	No	7/8		28	-40~120	45	009L7025	GBC 22s	No	7/8		33,34	-40~150	45
SBV(M)-A9YHSY-2-SA	10150055102	No		28	51,5	-40~120	45	009L7033	GBC 28s	No		28	62,25	-40~150	45
SBV(M)-A9YHSY-1-SA	10150054702	No	1 1/8		51,5	-40~120	45	009L7026	GBC 28s	No	1 1/8		62,25	-40~150	45
SBV(M)-A11YHSY-1-SA	10150055002	No	1 3/8		80	-40~120	45	009L7027	GBC 35s	No	1 3/8		92,76	-40~150	45
SBV(M)-A13YHSY-2-SA	10150055502	No	1 5/8		119,8	-40~120	45	009L7028	GBC 42s	No	1 5/8		134,76	-40~150	45
SBV(M)-A13YHSY-1-SA	10150055302	No		42	119,8	-40~120	45	009L7034	GBC 42s	No		42	134,76	-40~150	45
SBV(M)-A17YHSY-1-SA	10150055702	No	2 1/8		225	-40~120	45	009L7029	GBC 54s	No	2 1/8		240,11	-40~121	45
SBV(M)-A19YHSY-1-SA	10150055902	No		64	225	-40~120	45	009L7036	GBC 67s RP	No	2 5/8		203,12	-40~121	45
SBV(M)-A21YHSY-2-SA	10150056302	No	2 5/8		305	-40~120	45	009L7959	GBC 67s	No	2 5/8		367,38	-40~121	45
SBV(M)-A25YHSY-2-SA	10150056502	No	3 1/8		635	-40~120	45	009L7980	GBC 79s	No	3 1/8		528,87	-40~121	45
SBV(M)-A29YHSY-1-SA	10150057002	No	3 5/8		805	-40~120	45	/	/	/	/	/	/	/	/
SBV(M)-A33YHSY-2-SA	10150056102	No	4 1/8		950	-40~120	45	/	/	/	/	/	/	/	/
SBV(M)-A34YHSY-1-SA	10150057102	No	4 1/4		950	-40~120	45	/	/	/	/	/	/	/	/
SBV(M)-JA2YHSY-2-SA	10150056702	Yes		6	1,9	-40~120	45	009L7060	GBC 6s	Yes		6	1,83	-40~150	45
SBV(M)-JA2YHSY-1-SA	10150058402	Yes	1/4		1,9	-40~120	45	009L7050	GBC 6s	Yes	1/4		1,83	-40~150	45
SBV(M)-JA3YHSY-2-SA	10150053802	Yes	3/8		5,5	-40~120	45	009L7051	GBC 10s	Yes	3/8		8,04	-40~150	45
SBV(M)-JA3YHSY-1-SA	10150056802	Yes		10	5,5	-40~120	45	009L7061	GBC 10s	Yes		10	8,04	-40~150	45
SBV(M)-JA4YHSY-2-SA	10150057502	Yes		12	10,2	-40~120	45	009L7062	GBC 12s	Yes		12	13,17	-40~150	45
SBV(M)-JA4YHSY-1-SA	10150054002	Yes	1/2		10,2	-40~120	45	009L7052	GBC 12s	Yes	1/2		13,17	-40~150	45
SBV(M)-JA5YHSY-2-SA	10150057702	Yes		15	13,2	-40~120	45	/	/	/	/	/	/	/	/
SBV(M)-JA5YHSY-1-SA	10150053402	Yes	5/8		13,8	-40~120	45	009L7053	GBC 16s	Yes	5/8		15,66	-40~150	45
SBV(M)-JA6YHSY-2-SA	10150054502	Yes		18	19,5	-40~120	45	009L7065	GBC 18s	Yes		18	21,93	-40~150	45
SBV(M)-JA6YHSY-1-SA	10150054202	Yes	3/4		19,5	-40~120	45	009L7054	GBC 18s	Yes	3/4		21,93	-40~150	45
SBV(M)-JA7YHSY-1-SA	10150053602	Yes	7/8		28	-40~120	45	009L7055	GBC 22s	Yes	7/8		33,34	-40~150	45
SBV(M)-JA9YHSY-2-SA	10150055202	Yes		28	51,5	-40~120	45	009L7063	GBC 28s	Yes		28	62,25	-40~150	45
SBV(M)-JA9YHSY-1-SA	10150054802	Yes	1 1/8		51,5	-40~120	45	009L7056	GBC 28s	Yes	1 1/8		62,25	-40~150	45
SBV(M)-JA11YHSY-1-SA	10150054902	Yes	1 3/8		80	-40~120	45	009L7057	GBC 35s	Yes	1 3/8		92,76	-40~150	45
SBV(M)-JA13YHSY-2-SA	10150055402	Yes	1 5/8		119,8	-40~120	45	009L7058	GBC 42s	Yes	1 5/8		134,76	-40~150	45
SBV(M)-JA13YHSY-1-SA	10150057802	Yes		42	119,8	-40~120	45	009L7064	GBC 42s	Yes		42	134,76	-40~150	45
SBV(M)-JA17YHSY-1-SA	10150055802	Yes	2 1/8		225	-40~120	45	009L7059	GBC 54s	Yes	2 1/8		240,11	-40~121	45
SBV(M)-JA19YHSY-1-SA	10150056002	Yes		64	225	-40~120	45	009L7066	GBC 67s RP	Yes	2 5/8		203,12	-40~121	45
SBV(M)-JA21YHSY-2-SA	10150056402	Yes	2 5/8		305	-40~120	45	009L7960	GBC 67s	Yes	2 5/8		367,38	-40~121	45
SBV(M)-JA25YHSY-2-SA	10150056602	Yes	3 1/8		635	-40~120	45	009L7981	GBC 79s	Yes	3 1/8		528,87	-40~121	45
SBV(M)-JA29YHSY-1-SA	10150056902	Yes	3 5/8		805	-40~120	45	/	/	/	/	/	/	/	/
SBV(M)-JA33YHSY-2-SA	10150056202	Yes	4 1/8		950	-40~120	45	/	/	/	/	/	/	/	/
SBV(M)-JA34YHSY-1-SA	10150057202	Yes	4 1/4		950	-40~120	45	/	/	/	/	/	/	/	/
<b>R32 system</b>															
SBV02-020R	10150104702	No		6	1,9	-40~120	49	009L9030	GBC 6s E	No		6	1,83	-40~100	49
SBV02-019R	10150104602	No	1/4		1,9	-40~120	49	009L9020	GBC 6s E	No	1/4		1,83	-40~100	49
SBV03-019R	10150105002	No	3/8		5,5	-40~120	49	009L9021	GBC 10s E	No	3/8		8,04	-40~100	49
SBV03-020R	10150105102	No		10	5,5	-40~120	49	009L9031	GBC 10s E	No		10	8,04	-40~100	49
SBV04-020R	10150105502	No		12	10,2	-40~120	49	009L9032	GBC 12s E	No		12	13,17	-40~100	49
SBV04-019R	10150105402	No	1/2		10,2	-40~120	49	009L9022	GBC 12s E	No	1/2		13,17	-40~100	49
SBV05-120R	10150105802	No		15	13,2	-40~120	49	/	/	/	/	/	/	/	/
SBV05-119R	10150100402	No	5/8		13,8	-40~120	49	009L9023	GBC 16s E	No	5/8		15,66	-40~100	49
SBV06-120R	10150106102	No		18	19,5	-40~120	49	009L9035	GBC 18s E	No		18	21,93	-40~100	49

Sanhua								Danfoss GBC							
Model	Part Number	Access Port	Connection (in)	Connection (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar
SBV06-119R	10150104302	No	3/4		19,5	-40~120	49	009L9024	GBC 18s E	No	3/4		21,93	-40~100	49
SBV07-119R	10150098702	No	7/8	22	28	-40~120	49	009L9025	GBC 22s E	No	7/8		33,34	-40~100	49
SBV09-120R	10150103602	No		28	51,5	-40~120	49	009L9033	GBC 28s E	No		28	62,25	-40~100	49
SBV09-119R	10150097102	No	1 1/8		51,5	-40~120	49	009L9026	GBC 28s E	No	1 1/8		62,25	-40~100	49
SBV11-119R	10150103802	No	1 3/8	35	80	-40~120	49	009L9027	GBC 35s E	No	1 3/8	35	92,76	-40~100	49
SBV13-119R	10150104402	No	1 5/8		119,8	-40~120	49	009L9028	GBC 42s E	No	1 5/8		134,76	-40~100	49
SBV13-120R	10150106602	No		42	119,8	-40~120	49	009L9034	GBC 42s E	No		42	134,76	-40~100	49
SBV17-119R	10150104502	No	2 1/8	54	225	-40~120	49	009L9029	GBC 54s E	No	2 1/8	54	240,11	-40~100	49
SBV19-120R	10150107002	No		64	225	-40~120	49	/	/	/	/	/	/	/	/
SBV21-119R	10150107202	No	2 5/8		305	-40~120	49	009L9959	GBC 67s E	No	2 5/8		367,38	-40~100	49
SBV02-320R	10150104902	Yes		6	1,9	-40~120	49	009L9060	GBC 6s E	Yes		6	1,83	-40~100	49
SBV02-319R	10150104802	Yes	1/4		1,9	-40~120	49	009L9050	GBC 6s E	Yes	1/4		1,83	-40~100	49
SBV03-319R	10150105202	Yes	3/8		5,5	-40~120	49	009L9051	GBC 10s E	Yes	3/8		8,04	-40~100	49
SBV03-320R	10150105302	Yes		10	5,5	-40~120	49	009L9061	GBC 10s E	Yes		10	8,04	-40~100	49
SBV04-320R	10150105702	Yes		12	10,2	-40~120	49	009L9062	GBC 12s E	Yes		12	13,17	-40~100	49
SBV04-319R	10150105602	Yes	1/2		10,2	-40~120	49	009L9052	GBC 12s E	Yes	1/2		13,17	-40~100	49
SBV05-420R	10150106002	Yes		15	13,2	-40~120	49	/	/	/	/	/	/	/	/
SBV05-419R	10150105902	Yes	5/8	16	13,8	-40~120	49	009L9053	GBC 16s E	Yes	5/8	16	15,66	-40~100	49
SBV06-420R	10150106302	Yes		18	19,5	-40~120	49	009L9065	GBC 18s E	Yes		18	21,93	-40~100	49
SBV06-419R	10150106202	Yes	3/4		19,5	-40~120	49	009L9054	GBC 18s E	Yes	3/4		21,93	-40~100	49
SBV07-419R	10150106402	Yes	7/8	22	28	-40~120	49	009L9055	GBC 22s E	Yes	7/8	22	33,34	-40~100	49
SBV09-420R	10150103702	Yes		28	51,5	-40~120	49	009L9063	GBC 28s E	Yes		28	62,25	-40~100	49
SBV09-419R	10150106502	Yes	1 1/8		51,5	-40~120	49	009L9056	GBC 28s E	Yes	1 1/8		62,25	-40~100	49
SBV11-419R	10150103902	Yes	1 3/8	35	80	-40~120	49	009L9057	GBC 35s E	Yes	1 3/8	35	92,76	-40~100	49
SBV13-419R	10150106702	Yes	1 5/8		119,8	-40~120	49	009L9058	GBC 42s E	Yes	1 5/8		134,76	-40~100	49
SBV13-420R	10150106802	Yes		42	119,8	-40~120	49	009L9064	GBC 42s E	Yes		42	134,76	-40~100	49
SBV17-419R	10150106902	Yes	2 1/8	54	225	-40~120	49	009L9059	GBC 54s E	Yes	2 1/8	54	240,11	-40~100	49
SBV19-420R	10150107102	Yes		64	225	-40~120	49	/	/	/	/	/	/	/	/
SBV21-419R	10150107302	Yes	2 5/8		305	-40~120	49	009L9960	GBC 67s E	Yes	2 5/8		367,38	-40~100	49
<b>CO2 Low pressure</b>															
CBV02-002	10150074202	No	-	6	1,9	-40~150	60	009L7395	GBCH 6s	No		6	1,78	-40~100	90
CBV02-001	10150074102	No	1/4	-	1,9	-40~150	60	009L7415	GBCH 6s	No	1/4		1,78	-40~100	90
CBV03-001	10150074302	No	3/8	-	5,5	-40~150	60	009L7416	GBCH 10s	No	3/8		6,31	-40~100	90
CBV03-002	10150074402	No	-	10	5,5	-40~150	60	009L7396	GBCH 10s	No		10	6,31	-40~100	90
CBV04-002	10150074602	No	-	12	10,2	-40~150	60	009L7397	GBCH 12s	No		12	12,87	-40~100	90
CBV04-001	10150074502	No	1/2	-	10,2	-40~150	60	009L7417	GBCH 12s	No	1/2		12,87	-40~100	90
CBV05-001	10150074702	No	5/8	16	13,8	-40~150	60	009L7418	GBCH 16s	No	5/8	16	11,77	-40~100	90
CBV06-002	10150074902	No	-	18	19,5	-40~150	60	009L7399	GBCH 18s	No		18	31,07	-40~100	90
CBV06-001	10150074802	No	3/4	-	19,5	-40~150	60	009L7419	GBCH 18s	No	3/4		31,07	-40~100	90
CBV07-001	10150063002	No	7/8	22	28,0	-40~150	60	009L7420	GBCH 22s	No	7/8	22	24,47	-40~100	90
CBV09-002	10150075002	No	-	28	51,5	-40~150	60	009L7406	GBCH 28s	No		28	96,72	-40~100	90
CBV09-001	10150062902	No	1 1/8	-	51,5	-40~150	60	/	/	/	/	/	/	/	/
CBV11-001	10150075102	No	1 3/8	35	80,0	-40~150	60	009L7410	GBCH 35s	No		35	106,95	-40~100	75
CBV13-002	10150062802	No	1 5/8	-	119,8	-40~150	60	/	/	/	/	/	/	/	/
CBV13-003	10150075202	No	-	42	119,8	-40~150	60	009L7411	GBCH 42s	No		42	150,98	-40~100	75
CBV17-001	10150075302	No	2 1/8	54	225,0	-40~150	60	/	/	/	/	/	/	/	/
<b>CO2 High pressure</b>															
CBVT 02H002	10150108802	No		6	1,9	-56~150	140	/	/	/	/	/	/	/	/
CBVT 02H001	10150103102	No	1/4		1,9	-56~150	140	009L6415	GBCT 6s	No	1/4		0,9	-40~149	140
CBVT 03H001	10150099502	No	3/8		5,5	-56~150	140	009L6416	GBCT 10s	No	3/8		3,7	-40~149	140
CBVT 03H002	10150109102	No		10	5,5	-56~150	140	/	/	/	/	/	/	/	/
CBVT 04H002	10150108902	No		12	10,2	-56~150	140	/	/	/	/	/	/	/	/
CBVT 04H001	10150099202	No	1/2		10,2	-56~150	140	009L6417	GBCT 12s	No	1/2		5,4	-40~149	140
CBVT 05H002	10150109002	No		15	13,8	-56~150	140	/	/	/	/	/	/	/	/
CBVT 05H001	10150099302	No	5/8	16	13,8	-56~150	140	009L6418	GBCT 16s	No	5/8	16	10,4	-40~149	140
CBVT 06H002	10150109302	No		18	19,5	-56~150	140	/	/	/	/	/	/	/	/
CBVT 06H001	10150099102	No	3/4		19,5	-56~150	140	009L6419	GBCT 18s	No	3/4		16,4	-40~149	140
CBVT 07H001	10150099002	No	7/8	22	28	-56~150	140	009L6420	GBCT 22s	No	7/8	22	23,7	-40~149	140
CBVT 09H002	10150109202	No		28	34,9	-56~150	140	/	/	/	/	/	/	/	/
CBVT 09H001	10150098902	No	1 1/8		34,9	-56~150	140	009L6406	GBCT 28s	No	1 1/8		42,3	-40~149	140
CBVT 11H001	10150098502	No	1 3/8	35	80	-56~150	140	009L6410	GBCT 35s	No	1 3/8	35	67,1	-40~149	140
CBVT 13H001	10150098602	No	1 5/8		119,8	-56~150	140	009L6411	GBCT 42s	No	1 5/8		83,1	-40~149	140
CBVT 13H002	10150109402	No		42	119,8	-56~150	140	/	/	/	/	/	/	/	/

# GBC, GBCH and GBCT Ball Valves for Refrigeration Applications

Mueller							Danfoss GBC							
Code	Access Port	Size (in)	Size (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Size (in)	Size (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar
<b>Standard version</b>														
AP17859	No	1/4	6	1	-40~149	53	009L7020	GBC 6s	No	1/4		1,83	-40~150	45
AP17860C	No	3/8	10	4	-40~149	53	009L7021	GBC 10s	No	3/8		8,04	-40~150	45
AP17861C	No	1/2	13	5	-40~149	53	009L7022	GBC 12s	No	1/2		13,17	-40~150	45
AP17862C	No	5/8	17	10	-40~149	53	009L7023	GBC 16s	No	5/8	16	15,66	-40~150	45
AP17863	No	3/4	19	16	-40~149	53	009L7024	GBC 18s	No	3/4		21,93	-40~150	45
AP17864C	No	7/8	22	24	-40~149	53	009L7025	GBC 22s	No	7/8	22	33,34	-40~150	45
AP17865	No	1 1/8	29	47	-40~149	53	009L7026	GBC 28s	No	1 1/8		62,25	-40~150	45
A 17866	No	1 3/8	35	77	-40~149	53	009L7027	GBC 35s	No	1 3/8	35	92,76	-40~150	45
A 17867	No	1 5/8	41	99	-40~149	53	009L7028	GBC 42s	No	1 5/8		134,76	-40~150	45
A 17868	No	2 1/8	54	211	-40~149	48	009L7029	GBC 54s	No	2 1/8	54	240,11	-40~121	45
A 17869	No	2 5/8	67	347	-40~149	48	009L7959	GBC 67s	No	2 5/8		367,38	-40~121	45
A 17870	No	3 1/8	79	478	-40~149	48	009L7980	GBC 79s	No	3 1/8		528,87	-40~121	45
A 17871	No	2 5/8	67	199	-40~149	48	009L7036	GBC 67s RP	No	2 5/8		203,12	-40~121	45
A 17872	No	3 1/8	79	124	-40~149	48	009L7037	GBC 79s RP	No	3 1/8		171,89	-40~121	45
B 34909	No	3 5/8	92		-40~149	48	/	/	/	/	/	/	/	/
B 34910	No	4 1/8	105		-40~149	48	/	/	/	/	/	/	/	/
AQ17859	Yes	1/4	6	1	-40~149	53	009L7050	GBC 6s	Yes	1/4		1,83	-40~150	45
AQ17860C	Yes	3/8	10	4	-40~149	53	009L7051	GBC 10s	Yes	3/8		8,04	-40~150	45
AQ17861C	Yes	1/2	13	5	-40~149	53	009L7052	GBC 12s	Yes	1/2		13,17	-40~150	45
AQ17862C	Yes	5/8	17	10	-40~149	53	009L7053	GBC 16s	Yes	5/8	16	15,66	-40~150	45
AQ17863	Yes	3/4	19	16	-40~149	53	009L7054	GBC 18s	Yes	3/4		21,93	-40~150	45
AQ17864C	Yes	7/8	22	24	-40~149	53	009L7055	GBC 22s	Yes	7/8	22	33,34	-40~150	45
AQ17865	Yes	1 1/8	29	47	-40~149	53	009L7056	GBC 28s	Yes	1 1/8		62,25	-40~150	45
AC17866	Yes	1 3/8	35	77	-40~149	53	009L7057	GBC 35s	Yes	1 3/8	35	92,76	-40~150	45
AC17867	Yes	1 5/8	41	99	-40~149	53	009L7058	GBC 42s	Yes	1 5/8		134,76	-40~150	45
AC17868	Yes	2 1/8	54	211	-40~149	48	009L7059	GBC 54s	Yes	2 1/8	54	240,11	-40~121	45
AC17869	Yes	2 5/8	67	347	-40~149	48	009L7960	GBC 67s	Yes	2 5/8		367,38	-40~121	45
AC17870	Yes	3 1/8	79	478	-40~149	48	009L7981	GBC 79s	Yes	3 1/8		528,87	-40~121	45
AC17871	Yes	2 5/8	67	199	-40~149	48	009L7066	GBC 67s RP	Yes	2 5/8		203,12	-40~121	45
AC17872	Yes	3 1/8	79	124	-40~149	48	009L7067	GBC 79s RP	Yes	3 1/8		171,89	-40~121	45
<b>CO2 Low pressure</b>														
AP17859HP	No	1/4	6	1	-40~149	60	009L7415	GBCH 6s	No	1/4		1,78	-40~100	90
AP17860HP	No	3/8	10	4	-40~149	60	009L7416	GBCH 10s	No	3/8		6,31	-40~100	90
AP17861HP	No	1/2	13	5	-40~149	60	009L7417	GBCH 12s	No	1/2		12,87	-40~100	90
AP17862HP	No	5/8	17	10	-40~149	60	009L7418	GBCH 16s	No	5/8	16	11,77	-40~100	90
AP17863HP	No	3/4	19	16	-40~149	60	009L7419	GBCH 18s	No	3/4		31,07	-40~100	90
AP17864HP	No	7/8	22	24	-40~149	60	009L7420	GBCH 22s	No	7/8	22	24,47	-40~100	90
AP17865HP	No	1 1/8	29	47	-40~149	60	009L7406	GBCH 28s	No		28	96,72	-40~100	90
<b>CO2 High pressure</b>														
A 17856XHP	No	3/8	10	4	-40~149	140	009L6416	GBCT 10s	No	3/8		3,7	-40~149	140
A 17861XHP	No	1/2	13	5	-40~149	140	009L6417	GBCT 12s	No	1/2		5,4	-40~149	140
A 17862XHP	No	5/8	17	10	-40~149	140	009L6418	GBCT 16s	No	5/8		10,4	-40~149	140
A 17864XHP	No	7/8	22	24	-40~149	140	009L6420	GBCT 22s	No	7/8		23,7	-40~149	140
A 17865XHP	No	1 1/8	29	47	-40~149	140	009L6406	GBCT 28s	No	1 1/8		42,3	-40~149	140
A 17866XHP	No	1 3/8	35	77	-40~149	140	009L6410	GBCT 35s	No	1 3/8		67,1	-40~149	140
A 17867XHP	No	1 5/8	41	99	-40~149	140	009L6411	GBCT 42s	No	1 5/8		83,1	-40~149	140
A 17868XHP	No	2 1/8	54	211	-40~149	140	009L6412	GBCT 54s	No	2 1/8		171,3	-40~149	140

Working temperature  
 GBC 6s - GBC 42s: -40 °C – 100°C for long term use  
 >100°C – 150°C for short term use  
 GBC 54s - GBC 79s: -40 °C – 100°C for long term use  
 >100°C – 121°C for short term use

\*45 – Pressure is lower than MUELLER. It is important to check requirements before you will replace the valve.

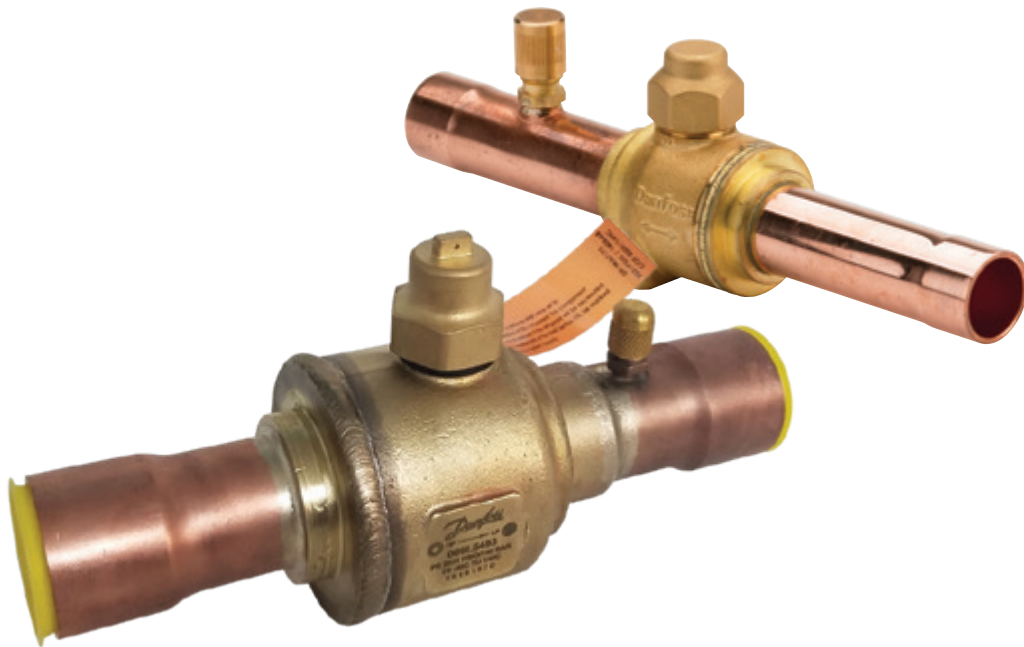
# GBC, GBCH and GBCT Ball Valves

## for Refrigeration Applications

Henry							Danfoss GBC							
Code	Access Port	Size (in)	Size (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Size (in)	Size (mm)	Kv [m <sup>3</sup> /h]	Working temperature *C	Maximum working pressure (PS) bar
<b>Standard version</b>														
907206M	No		6	1,81	-40~120	60	009L7030	GBC 6s	No		6	1,83	-40~150	45
907202	No	1/4		1,81	-40~120	60	009L7020	GBC 6s	No	1/4		1,83	-40~150	45
907203	No	3/8		3,7	-40~120	60	009L7021	GBC 10s	No	3/8		8,04	-40~150	45
907210M	No		10	3,7	-40~120	60	009L7031	GBC 10s	No		10	8,04	-40~150	45
907212M	No		12	6,02	-40~120	60	009L7032	GBC 12s	No		12	13,17	-40~150	45
907204	No	1/2		6,02	-40~120	60	009L7022	GBC 12s	No	1/2		13,17	-40~150	45
907205	No	5/8		11,95	-40~120	60	009L7023	GBC 16s	No	5/8		15,66	-40~150	45
907318M	No		18	18,06	-40~120	60	009L7035	GBC 18s	No		18	21,93	-40~150	45
907306	No	3/4		18,06	-40~120	60	009L7024	GBC 18s	No	3/4		21,93	-40~150	45
907307	No	7/8		26,06	-40~120	60	009L7025	GBC 22s	No	7/8		33,34	-40~150	45
907428M	No		28	52,72	-40~120	60	009L7033	GBC 28s	No		28	62,25	-40~150	45
907409	No	1 1/8		52,72	-40~120	60	009L7026	GBC 28s	No	1 1/8		62,25	-40~150	45
907511	No	1 3/8		73,27	-40~120	48	009L7027	GBC 35s	No	1 3/8		92,76	-40~150	45
907613	No	1 5/8		182,32	-40~120	48	009L7028	GBC 42s	No	1 5/8		134,76	-40~150	45
907642M	No		42	182,32	-40~120	48	009L7034	GBC 42s	No		42	134,76	-40~150	45
907617	No	2 1/8		245,10	-40~120	48	009L7029	GBC 54s	No	2 1/8		240,11	-40~121	45
907721	No	2 5/8		204,68	-40~120	48	009L7036	GBC 67s RP	No	2 5/8		203,12	-40~121	45
907764M	No		64	204,68	-40~120	48	/	/	/	/	/	/	/	/
907721FP	No	2 5/8		258,86	-40~120	48	009L7959	GBC 67s	No	2 5/8		367,38	-40~121	45
907764MFP	No		64	258,86	-40~120	48	/	/	/	/	/	/	/	/
907725	No	3 1/8		278,64	-40~120	48	009L7037	GBC 79s RP	No	3 1/8		171,89	-40~121	45
907776M	No		76	278,64	-40~120	48	/	/	/	/	/	/	/	/
907825FP	No	3 1/8		361,20	-40~120	48	009L7980	GBC 79s	No	3 1/8		528,87	-40~121	45
907829	No	3 5/8		439,46	-40~120	48	/	/	/	/	/	/	/	/
907889M	No		89	361,20	-40~120	48	/	/	/	/	/	/	/	/
907833	No	4 1/8		447,20	-40~120	48	/	/	/	/	/	/	/	/
9078108M	No		108	439,46	-40~120	48	/	/	/	/	/	/	/	/
937206M	Yes		6	1,81	-40~120	60	009L7060	GBC 6s	Yes		6	1,83	-40~150	45
937202	Yes	1/4		1,81	-40~120	60	009L7050	GBC 6s	Yes	1/4		1,83	-40~150	45
937203	Yes	3/8		3,7	-40~120	60	009L7051	GBC 10s	Yes	3/8		8,04	-40~150	45
937210M	Yes		10	3,7	-40~120	60	009L7061	GBC 10s	Yes		10	8,04	-40~150	45
937212M	Yes		12	6,02	-40~120	60	009L7062	GBC 12s	Yes		12	13,17	-40~150	45
937204	Yes	1/2		6,02	-40~120	60	009L7052	GBC 12s	Yes	1/2		13,17	-40~150	45
937205	Yes	5/8		11,95	-40~120	60	009L7053	GBC 16s	Yes	5/8		15,66	-40~150	45
937318M	Yes		18	18,06	-40~120	60	009L7065	GBC 18s	Yes		18	21,93	-40~150	45
937306	Yes	3/4		18,06	-40~120	60	009L7054	GBC 18s	Yes	3/4		21,93	-40~150	45
937307	Yes	7/8		26,06	-40~120	60	009L7055	GBC 22s	Yes	7/8		33,34	-40~150	45
937428M	Yes		28	52,72	-40~120	60	009L7063	GBC 28s	Yes		28	62,25	-40~150	45
937409	Yes	1 1/8		52,72	-40~120	60	009L7056	GBC 28s	Yes	1 1/8		62,25	-40~150	45
937511	Yes	1 3/8		73,27	-40~120	48	009L7057	GBC 35s	Yes	1 3/8		92,76	-40~150	45
937613	Yes	1 5/8		182,32	-40~120	48	009L7058	GBC 42s	Yes	1 5/8		134,76	-40~150	45
937642M	Yes		42	182,32	-40~120	48	009L7064	GBC 42s	Yes		42	134,76	-40~150	45
937617	Yes	2 1/8		245,10	-40~120	48	009L7059	GBC 54s	Yes	2 1/8		240,11	-40~121	45
937721	Yes	2 5/8		204,68	-40~120	48	009L7066	GBC 67s RP	Yes	2 5/8		203,12	-40~121	45
937764M	Yes		64	204,68	-40~120	48	/	/	/	/	/	/	/	/
937721FP	Yes	2 5/8		258,86	-40~120	48	009L7960	GBC 67s	Yes	2 5/8		367,38	-40~121	45
937764MFP	Yes		64	258,86	-40~120	48	/	/	/	/	/	/	/	/
937725	Yes	3 1/8		278,64	-40~120	48	009L7067	GBC 79s RP	Yes	3 1/8		171,89	-40~121	45
937776M	Yes		76	278,64	-40~120	48	/	/	/	/	/	/	/	/
<b>CO2 High pressure</b>														
907202TH	No	1/4		1,81	-40~120	120	009L6415	GBCT 6s	No	1/4		0,9	-40~149	140
907206MTH	No		6	1,81	-40~120	120	/	/	/	/	/	/	/	/
907203TH	No	3/8		3,7	-40~120	120	009L6416	GBCT 10s	No	3/8		3,7	-40~149	140
907210MTH	No		10	3,7	-40~120	120	/	/	/	/	/	/	/	/
907204TH	No	1/2		6,02	-40~120	120	009L6417	GBCT 12s	No	1/2		5,4	-40~149	140
907212MTH	No		12	6,02	-40~120	120	/	/	/	/	/	/	/	/
907205TH	No	5/8		11,95	-40~120	120	009L6418	GBCT 16s	No	5/8		10,4	-40~149	140
907306TH	No	3/4		18,06	-40~120	120	009L6419	GBCT 18s	No	3/4		16,4	-40~149	140
907318MTH	No		18	18,06	-40~120	120	/	/	/	/	/	/	/	/
907307TH	No	7/8		26,06	-40~120	120	009L6420	GBCT 22s	No	7/8		23,7	-40~149	140
907409TH	No	1 1/8		52,72	-40~120	120	009L6406	GBCT 28s	No	1 1/8		42,3	-40~149	140
907428MTH	No		28	52,72	-40~120	120	/	/	/	/	/	/	/	/
907511TH	No	1 3/8		73,27	-40~120	120	009L6410	GBCT 35s	No	1 3/8		67,1	-40~149	140
907613TH	No	1 5/8		182,32	-40~120	120	009L6411	GBCT 42s	No	1 5/8		83,1	-40~149	140
907642MTH	No		42	182,32	-40~120	120	/	/	/	/	/	/	/	/

Working temperature  
 GBC 6s - GBC 42s: -40 °C – 100°C for long term use  
 >100°C – 150°C for short term use  
 GBC 54s - GBC 79s: -40 °C – 100°C for long term use  
 >100°C – 121°C for short term use

\*45 – Pressure is lower than HENRY. It is important to check requirements before you will replace the valve.



### GBCH features:

- ¼ turn from fully open to fully closed
- Full flow with minimum pressure drop
- Ball status indicator on spindle top indicating open or closed position
- Bi-directional flow, valve orientation is unimportant
- One-piece seal cap for safety purpose Complies with European Safety Directive EN 378 (Safety and environmental requirements)
- Internally loaded spindle design to ensure safe operations under extreme pressure
- Drilled and tapped for panel mounting
- Versions with access port helps in reducing cost if service of the system is necessary
- Double O-ring stem seal design
- Selected Teflon and O-ring material to secure the best tightness and long lifetime
- Customized brass material ensures consistent performance under aggressive environment
- GBCH E can be used with R32 refrigerant

### GBCH, GBCT features:

- GBCH designed for CO<sub>2</sub> trans-critical systems, low and medium pressure sides.
- GBCT designed for CO<sub>2</sub> trans-critical systems, high-pressure side
- UL/cUL Listed, complies with Pressure Equipment Directive 2014/68/ EU
- Sealing material especially for CO<sub>2</sub> to ensure long-term product reliability
- GBCH 28s~42s with stainless-steel butt-welding connections, suitable for systems with stainless-steel piping
- GBCT with reinforced copper-iron tube extensions to allow easy torch-brazing installation
- Bleed hole design to prevent liquid entrapment when the valve is closed

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