

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 [m ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m ³ /h]	Working temperature *C	Maximum working pressure (PS) bar
Standard version														
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	/	/	/	/	/	/	/	/
CO2 Low pressure														
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 ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m ³ /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
CO2 Low pressure														
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
CO2 High pressure														
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 ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (mm)	Connection (in)	Kv [m ³ /h]	Working temperature *C	Maximum working pressure (PS) bar
Standard version														
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 ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (mm)	Connection (in)	Kv [m ³ /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	/	/	/	/	/	/	/	/
CO2 Low pressure														
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 ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (mm)	Connection (in)	Kv [m ³ /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	/	/	/	/	/	/	/	/
CO2 High pressure														
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 ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m ³ /h]	Working temperature *C	Maximum working pressure (PS) bar
Standard version															
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	/	/	/	/	/	/	/	/
R32 system															
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 ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Connection (in)	Connection (mm)	Kv [m ³ /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	22	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
CO2 Low pressure															
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	/	/	/	/	/	/	/	/
CO2 High pressure															
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 ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Size (in)	Size (mm)	Kv [m ³ /h]	Working temperature *C	Maximum working pressure (PS) bar
Standard version														
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
CO2 Low pressure														
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
CO2 High pressure														
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.

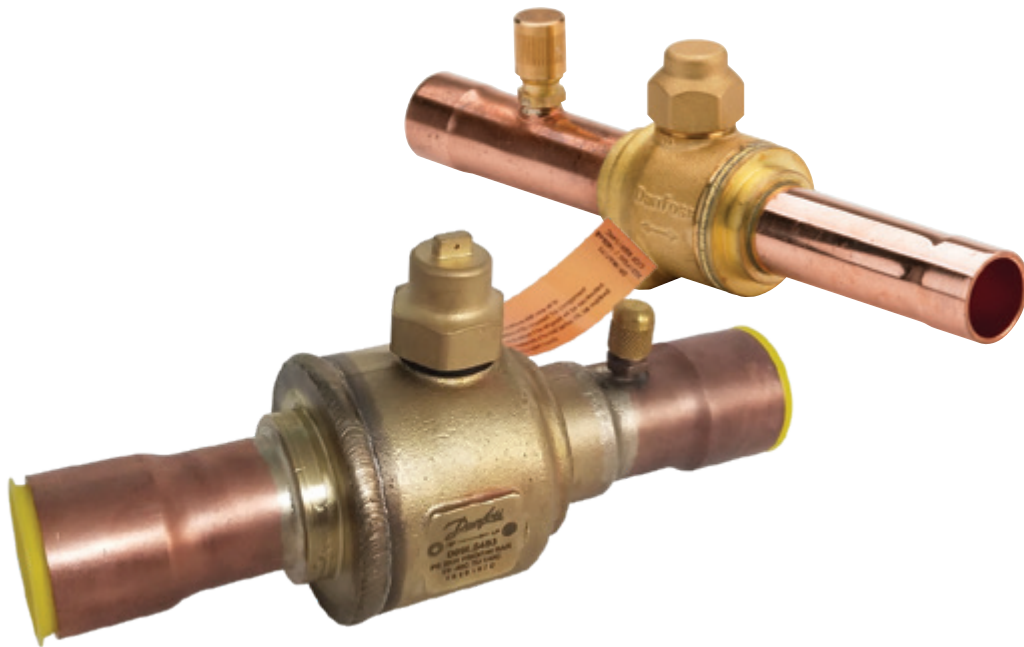
GBC, GBCH and GBCT Ball Valves

for Refrigeration Applications

Henry							Danfoss GBC							
Code	Access Port	Size (in)	Size (mm)	Kv [m ³ /h]	Working temperature *C	Maximum working pressure (PS) bar	Code	Type	Access Port	Size (in)	Size (mm)	Kv [m ³ /h]	Working temperature *C	Maximum working pressure (PS) bar
Standard version														
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	/	/	/	/	/	/	/	/
CO2 High pressure														
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.



GBCE 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
- GBCE can be used with R32 refrigerant

GBCH, GBCT features:

- GBCH designed for CO₂ trans-critical systems, low and medium pressure sides.
- GBCT designed for CO₂ trans-critical systems, high-pressure side
- UL/cUL Listed, complies with Pressure Equipment Directive 2014/68/ EU
- Sealing material especially for CO₂ 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

Danfoss A/S · www.danfoss.com

Danfoss can accept no responsibility for possible errors in catalogues, brochures and other printed material. Danfoss reserves the right to alter its products without notice. This also applies to products already on order provided that such alterations can be made without consequential changes being necessary in specifications already agreed. All trademarks in this material are property of the respective companies. Danfoss and all Danfoss logotypes are trademarks of Danfoss A/S. All rights reserved.