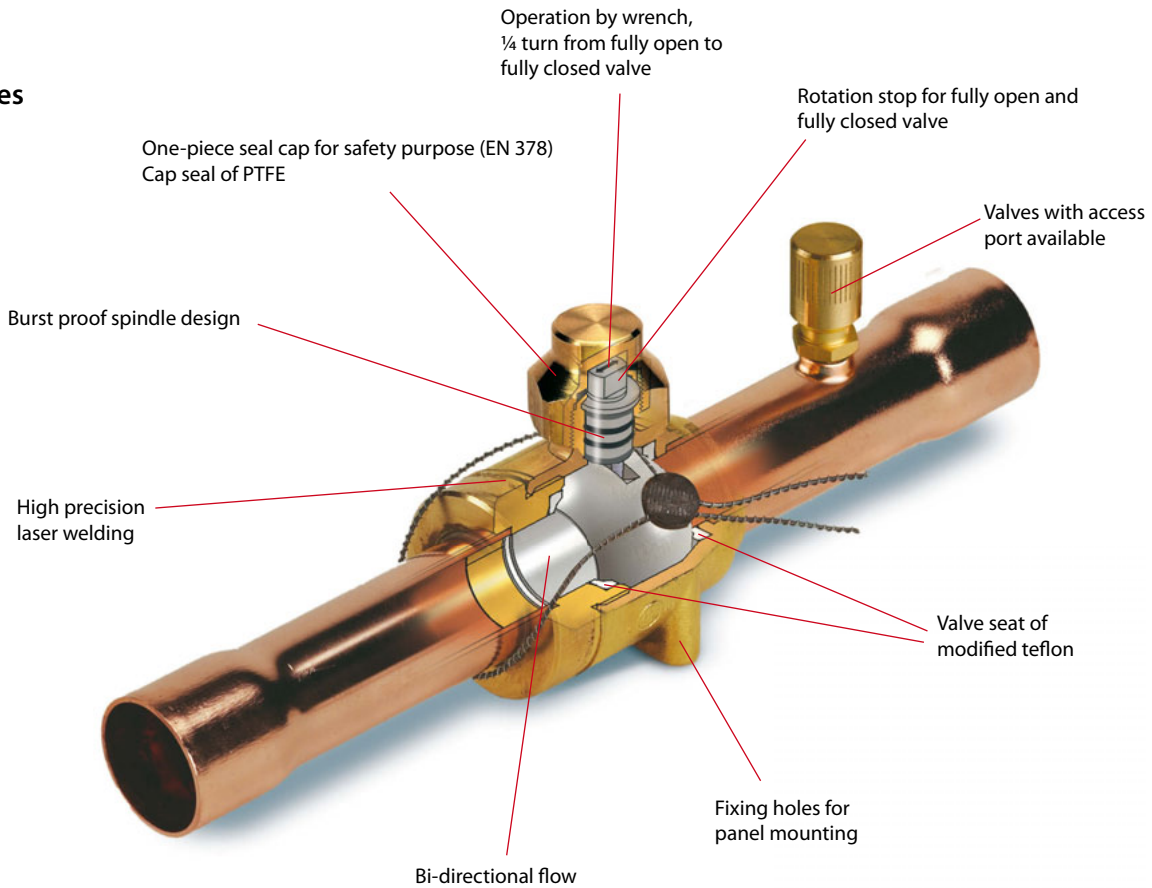




## GBC - Ball valves

GBC ball valves are manually operated shut-off valves suitable for bi-directional flow. Ball valves are used in liquid, suction and hot gas lines in refrigeration, freezing and air conditioning systems. The GBC bi-directional ball valves can be delivered with or without external access port. The valves have one-piece wire seal cap to prevent unintentional cap removal or tampering between services.

### Features

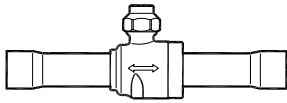


Applications	Advantages	Facts
<ul style="list-style-type: none"> <li>GBC valves are used in liquid, suction and hot gas lines in all refrigeration and air-conditioning systems with fluorinated refrigerants</li> </ul>	<ul style="list-style-type: none"> <li>Full flow with minimum pressure drop</li> <li>Bi-directional flow, i.e. valve orientation is unimportant</li> <li>Slimline design ensures easy operational handling</li> <li>Burst proof spindle design prevents liquid from being trapped internally</li> <li>Valve seat of modified teflon to secure maximum tightness and a long lifetime</li> <li>The available access port helps in reducing cost if service of the system is necessary</li> <li>Ball status indicator on spindle top indicating open or closed position.</li> <li>Laser welded construction.</li> <li>Holes for panel mounting.</li> </ul>	<ul style="list-style-type: none"> <li>GBC can be used for all fluorinated refrigerants (CFC, HCFC, HFC)</li> <li>Temperature range: -40 to +150 °C</li> <li>Max. working pressure (PS/MWP)               <ul style="list-style-type: none"> <li>GBC 6s to 42s with/without access port: 45 bar (650 psig)</li> <li>GBC 54s without access port: 45 bar (650 psig)</li> <li>GBC 54s with access port: 35 bar (500 psig)</li> <li>GBC 67s to 79s with/without access port: 35 bar (500 psig)</li> </ul> </li> <li>Test pressure: 65 bar (940 psig)</li> <li>Approvals: UL, CE</li> </ul>

# Ordering

The product range consists of following valve types: one with and one without access port.

Both versions can be supplied in inch or millimeter sizes from 1/4 in. to 3 1/8 in. (6 mm to 79 mm). All valves have holes for panel mounting.

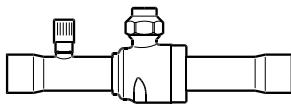


GBC without access port

### GBC without access port, ODF/ODF

Type	Solder ODF/ODF connection		Solder ODF/ODF connection		k <sub>v</sub> value (calculated value) [m <sup>3</sup> /h]
	[in.]	Code no.	[mm]	Code no.	
GBC 6s	1/4	009G7020	6	009G7030	1.96
GBC 10s	3/8	009G7021	10	009G7031	5.68
GBC 12s	1/2	009G7022	12	009G7032	10.58
GBC 16s	5/8	009G7023	16	009G7023	14.11
GBC 18s	3/4	009G7024	18	009G7035	20.42
GBC 22s	7/8	009G7025	22	009G7025	28.17
GBC 28s	1 1/8	009G7026	28	009G7033	51.95
GBC 35s	1 3/8	009G7027	35	009G7027	80.89
GBC 42s	1 5/8	009G7028	42	009G7034	121.07
GBC 54s	2 1/8	009G7029	54	009G7029	224.96
GBC 67s	2 5/8	009G7959	67	009G7959	310.00
GBC 67s RP	2 5/8	009G7036	67	009G7036	245.78
GBC 79s	3 1/8	009G7980	79	009G7980	700.00
GBC 79s RP	3 1/8	009G7037	79	009G7037	222.52

RP - Reduced Port

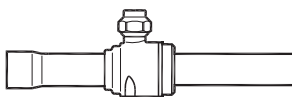


GBC with access port

### GBC with access port, ODF/ODF

Type	Solder ODF/ODF connection		Solder ODF/ODF connection		k <sub>v</sub> value (calculated value) [m <sup>3</sup> /h]
	[in.]	Code no.	[mm]	Code no.	
GBC 6s	1/4	009G7050	6	009G7060	1.96
GBC 10s	3/8	009G7051	10	009G7061	5.68
GBC 12s	1/2	009G7052	12	009G7062	10.58
GBC 16s	5/8	009G7053	16	009G7053	14.11
GBC 18s	3/4	009G7054	18	009G7065	20.42
GBC 22s	7/8	009G7055	22	009G7055	28.17
GBC 28s	1 1/8	009G7056	28	009G7063	51.95
GBC 35s	1 3/8	009G7057	35	009G7057	80.89
GBC 42s	1 5/8	009G7058	42	009G7064	121.07
GBC 54s	2 1/8	009G7059	54	009G7059	224.96
GBC 67s	2 5/8	009G7960	67	009G7960	310.00
GBC 67s RP	2 5/8	009G7066	67	009G7066	245.78
GBC 79s	3 1/8	009G7981	79	009G7981	700.00
GBC 79s RP	3 1/8	009G7067	79	009G7067	222.52

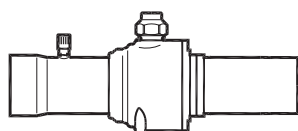
RP - Reduced Port



GBC without access port

### GBC without access port, ODF/ODM

Type	Solder ODF/ODM connection		Solder ODF/ODM connection		k <sub>v</sub> value (calculated value) [m <sup>3</sup> /h]
	[in.]	Code no.	[mm]	Code no.	
GBC 22s	7/8	009G7000	22	009G7000	28.20
GBC 28s	1 1/8	009G7001			52.00
GBC 35s	1 3/8	009G7002	35	009G7002	80.90
GBC 42s	1 5/8	009G7003			121.00
GBC 79s	3 1/8	009G7969	79	009G7969	700.00



GBC with access port

### GBC with access port, ODF/ODM

Type	Solder ODF/ODM connection		Solder ODF/ODM connection		k <sub>v</sub> value (calculated value) [m <sup>3</sup> /h]
	[in.]	Code no.	[mm]	Code no.	
GBC 79s	3 1/8	009G7970	79	009G7970	700.0