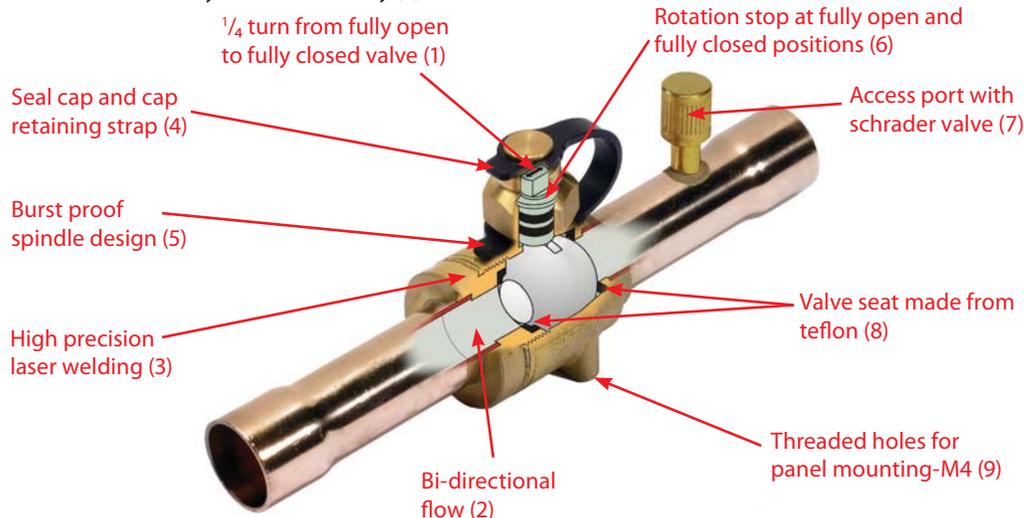


**Introduction and Overview**

GBC valves are used in liquid, suction and hot gas lines in all refrigeration and air-conditioning systems with fluorinated refrigerants. Danfoss GBC ball valves are manually operated shut-off valves suitable for bi-directional flow (1,2). The design is based on years of experience. The valve concept includes a high precision laser welding (3) ensuring both a strong and a light slim line valve body design. The design, weld, and choice of the sealing material enables the ball valves to meet the most demanding requirements, for example, the high working pressure when operating with R-410A. Additional features include:



- Seal cap with retaining strap (4)
- Burst proof spindle design prevents liquid from being trapped internally (5)
- Rotation stops and position indicator (6)
- Access port with schrader valve saves money if service of the system is necessary (7)
- Valve seat made from teflon to secure maximum tightness and a long lifetime (8)
- Threaded holes for panel mounting holes – M4 (9)
- Full flow with minimum pressure drop
- Slim-line design ensures easy operational handling


**Product Selection**

Danfoss Type	Solder ODF connection (in.)	Flow Coefficient, C <sub>v</sub> value (gal/min)	Working pressure (psig)	Test pressure (psig)	Danfoss Code No.
GBC 6s	¼	2.27	650	940	009G8050
GBC 10s	⅜	6.57	650	940	009G8051
GBC 12s	½	12.23	650	940	009G8052
GBC 16s	⅝	16.31	650	940	009G8053
GBC 18s	¾	23.61	650	940	009G8054
GBC 22s	⅞	32.56	650	940	009G8065
GBC 28s	1⅛	60.05	650	940	009G8066
GBC 35s	1⅜	93.51	650	940	009G8067
GBC 42s	1⅝	139.96	650	940	009G8068
GBC 54s	2⅛	260.05	650	940	009G8059
GBC 67s	2⅝	358.36	650	725	009G8069

All valves listed in table above are Full Port.  
Spare parts and accessories are available on page 56.