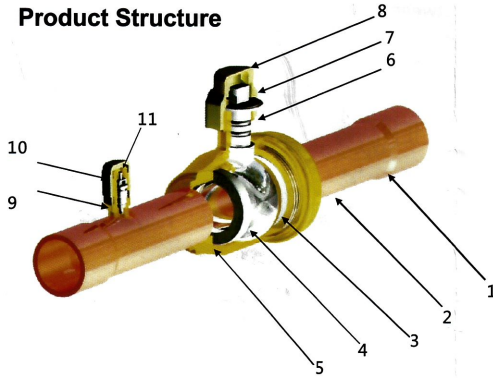


Ball Valve User Manual GBC 6(A) to 79(A)

Product Structure



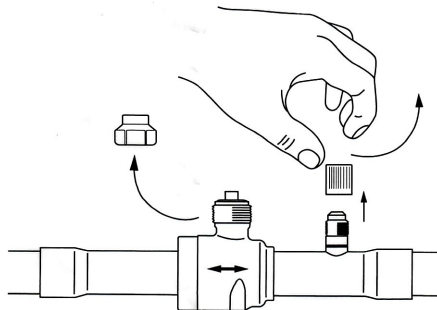
1	Connection
2	Valve cap (HPb59-1)
3	Stainless steel ball
4	Cap seal(PTFE)
5	Valve body (HPb59-1)
6	Double spindle O-ring seal
7	Spindle
8	Seal cap
9	Access port seat
10	Access port cap
11	Schrader valve

Refrigerant	CFC, HCFC, HFC
Medium Temperature	- 40 ~ 150 °C
Max. Working Pressure	45 bar
Max. Allowable Pressure	65 bar

How To Braze To Achieve Perfect Performance

It is very important to cool the valve body of the product, because the internal seal may be damaged when the temperature is higher than 150°C during the heating process of the product. In order to avoid excessive and unnecessary energy load, the valve body will not be heated during the brazing process. Try to keep the temperature of the valve body as low as possible, and rapid cooling reduces the risk of seal deformation. For details, please follow the instructions below:

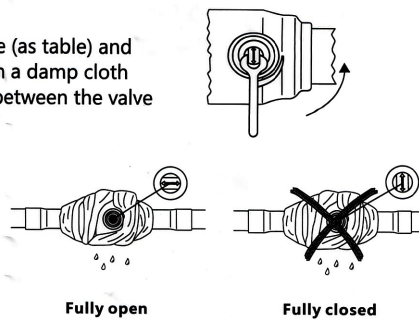
① Remove Cap And Access Cap (if Present)



② Opening valve

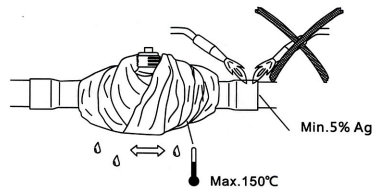
- Open the valve according to the maximum torque (as table) and let the valve be fully open-Wrap the valve body with a damp cloth (must cover the valve body and the welding place between the valve body and the copper pipe)

Model	Max.Torque(Nm.)
GBC 6(A)-16(A)	7
GBC18(A)-22(A)	12
GBC28(A)-35(A)	20
GBC42(A)-54(A)	35
GBC67(A)-79(A)	60

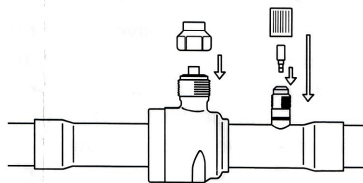


③ Brazing(Copper and Copper alloy)

- When brazing, the flame direction should be opposite to the valve body, Do not directly touch the flame to the copper pipe
- When brazing, keep the flame at a proper distance (about 30-40mm), And evenly heating, so that the brazing alloy can get better brazing performance



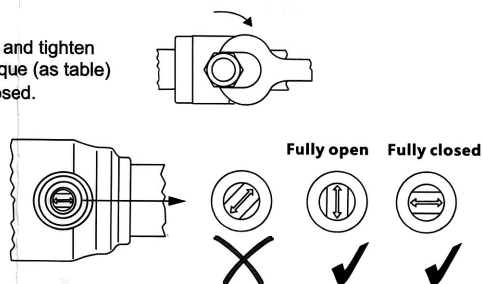
④ Install Schrader Valve (if present) and cap



⑤ Tighten the cap with approx.torque

- Check whether the gasket is in the proper position, and tighten the hexagonal bonnet according to the maximum torque (as table)
- The ball valve must always be fully open or fully closed.

Model	Max.Torque(Nm.)
GBC 6 (A) -16 (A)	12
GBC 18 (A) -22 (A)	15
GBC 28 (A) -35 (A)	20
GBC 42 (A) -54 (A)	35
GBC 67 (A) -79 (A)	35



The ball valve must always be fully open or fully closed.