# BALL VALVES

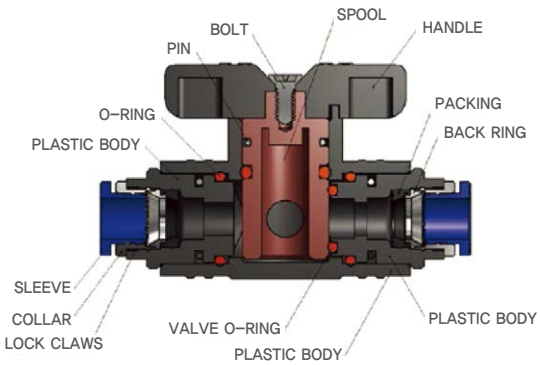
## Application

• Used for controlling air supply in the opened and closed positions.

## Feature

• Available for water as well as air with PPS resin body.
• The sectional dimension of the compact body optimizes as much flow as the tube capacity in proportion.

## Structural Diagram




## Specification

| | | |
|---|---|---|
| Fluid | Air & Water | |
| Working Pressure Range | 0~284PSI | 0~20Kgf/㎠(0~1960kPa) |
| Negative Pressure | -29.5inHg | -750mmHg(10Torr) |
| Temperature Range | 32~176℉ | 0~80℃ |
| Applicable Tube Material | Polyurethane and Nylon | |



## Product Code System

GBC 20 - 08 02
① ② ③ ④

① Type
② Effective Sectional Area

| | Metric size | |
|---|---|---|
| Code | 20 | 60 |
| Size | 20㎟ | 60㎟ |

③ Tube Dia(ØD)

| | | | | |
|---|---|---|---|---|
| Code | 06 | 08 | 10 | 12 |
| Dia | Ø6 | Ø8 | Ø10 | Ø12 |

④ Thread Size

| | Taper Pipe Thread | | | |
|---|---|---|---|---|
| Code | 01 | 02 | 03 | 04 |
| Size | R1/8 | R1/4 | R3/8 | R1/2 |

**⚠ CAUTION**

- Be sure to read the "Common Precautions" and "Using Precautions of Fitting Series" (P14) before using.
- Be sure to turn at a right angle(90°) when operating handle, otherwise it may cause the shortage of fluid.

**⚠ WARNING**

- When using with water, the pressure must not exceed 0~3kgf/㎠. Be sure not to use in a place of vibration,bending, or shocking.
- Be sure to confirm that the Lock Pin is applied correctly. Without the Lock Pin, the body can be disassembled.

GBUG

Reducing Union

MODEL [ØD－T] Tube (Metric)－Thread(R) (mm)

| CODE | MODEL | ØD1 | ØD2 | C1 | C2 | ØP1 | ØP2 | B | B1 | Orifice (Ømm) | W.G(g) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22740806 | GBUG 20-0806 | 8 | 6 | 18.5 | 17 | 17 | 17 | 56.5 | 23 | 20.8 | 25 |
| 22741210 | GBUG 60-1210 | 12 | 10 | 22 | 21 | 24 | 24 | 77.3 | 28 | 50.2 | 12 |

