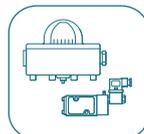
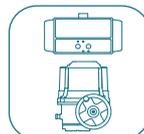
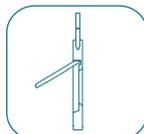
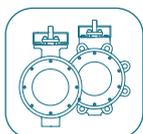
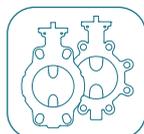


## 2PC Thread ends ball valve

Fig.120



[www.coreline.dk](http://www.coreline.dk)



## General information

Coreline Fig.120 stainless steel ball valves are usable for air, gas, water, oil and liquids without too much dirt, because this will destroy tightness and increase torque due to construction of ball valves in general. Always ensure the material of ball valve is suitable for the medium and check pressure and temperature limitation.

### Design features

- Standard **DIN3202 M3** face to face dimension.
- 2-piece compact design of body.
- Full bore for better Kv/Cv value.
- Wax casting stainless steel with smooth surface.
- **Pressure relief hole** in ball slot in general.
- Anti-blow out stem design.
- FDA and EU1935/2004 food approved version available.
- Certificate EN10204 - 3.1.



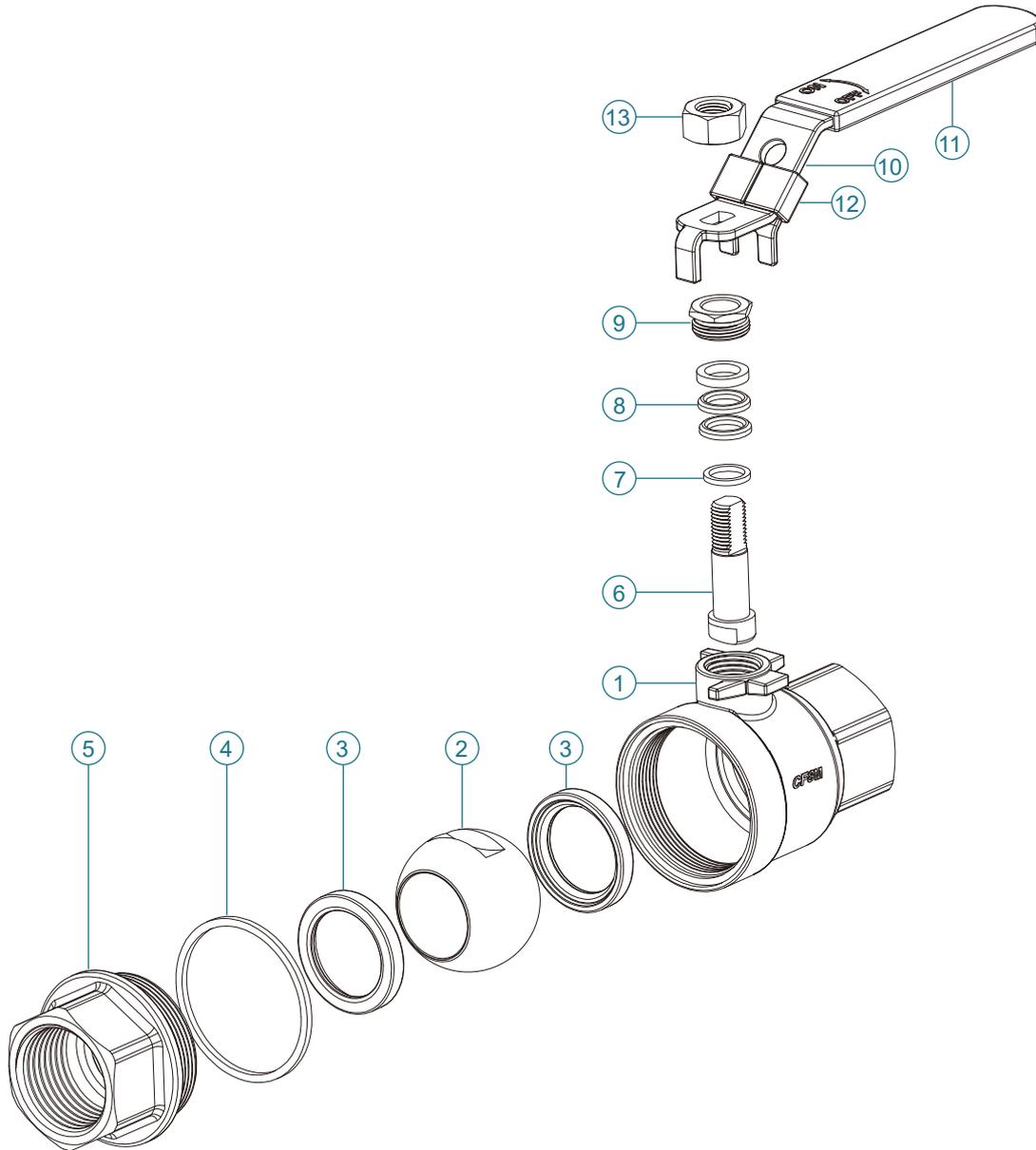
### Specifications

|                         |  |
|-------------------------|--|
| <b>Connection:</b>      | Internal thread standard: BSPP ( ISO228-1, G); Outside thread standard: BSPT<br>Options: BSPP, BSPT, NPT |
| <b>Size range:</b>      | 1/4" to 3"   |
| <b>Pressure rating:</b> | 1/4" to 2": PN63<br>2 1/2" to 3": PN40   |
| <b>Face to face:</b>    | DIN3202 M3   |
| <b>Body/ball/stem:</b>  | Stainless steel 316  |
| <b>Seat:</b>            | PTFE   |
| <b>Operation:</b>       | L-handle, with or without safety lock; T-handle  |
| <b>Tightness:</b>       | ANSI/FCI 70-2 - Class VI<br>ISO 5208 / EN 12266-1 - Rate A<br>API 598 - Bubble-tight                     |

\* Other materials are available on request.



# Material part list

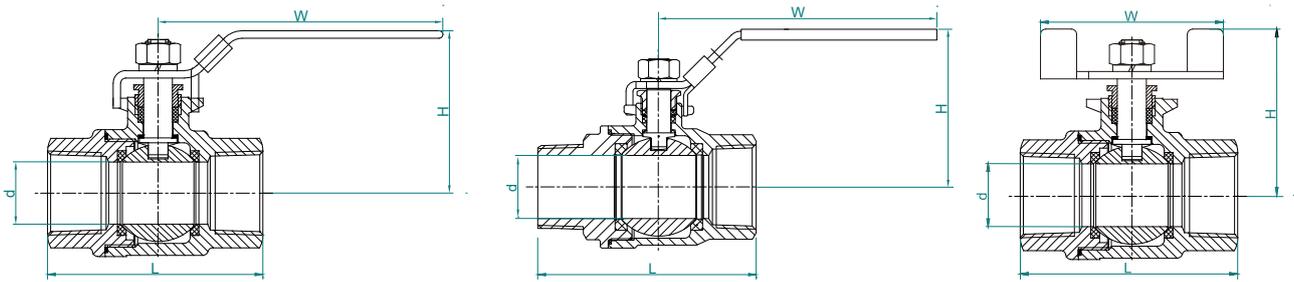


| Item No.         | Part name      | Material        | Specification  |
|------------------|----------------|-----------------|----------------|
| 1                | Body           | Stainless steel | ASTM A351 CF8M |
| 2                | Ball           | Stainless steel | AISI316        |
| 3                | Seat           | PTFE            |                |
| 4                | Body gasket    | PTFE            |                |
| 5 <sup>1)</sup>  | Cap            | Stainless steel | ASTM A351 CF8M |
| 6                | Stem           | Stainless steel | AISI316        |
| 7                | Thrust washer  | PTFE            |                |
| 8                | Stem packing   | PTFE            |                |
| 9                | Gland nut      | Stainless steel | AISI304        |
| 10 <sup>2)</sup> | Handle         | Stainless steel | AISI304        |
| 11               | Handle sleeve  | Vinyl           |                |
| 12               | Locking device | Stainless steel | AISI304        |
| 13               | Locking nut    | Stainless steel | AISI304        |

1) Can provide Male thread cap on request.

2) Can provide T-handle on request.

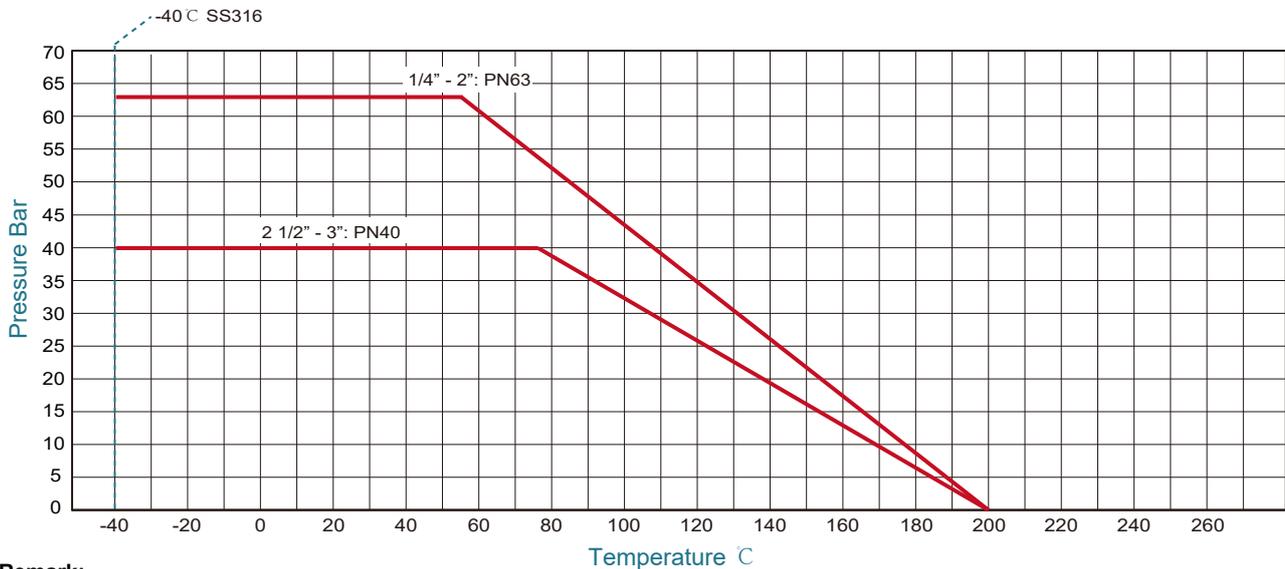
# Dimensions, pressure temperature curve



| SIZE   |    | d  | H   | L         |           | W        |          | Weight <sup>1)</sup><br>[kg] | Kv <sup>2)</sup><br>[ m <sup>3</sup> /h] |
|--------|----|----|-----|-----------|-----------|----------|----------|------------------------------|--|
| INCH   | DN |    |     | BSPP/BSPP | BSPP/BSPT | L-handle | T-handle |                              |  |
| 1/4"   | 8  | 10 | 49  | 55        | 65        | 90       | 52       | 0.3                          | 6  |
| 3/8"   | 10 | 12 | 49  | 60        | 65        | 90       | 52       | 0.3                          | 9  |
| 1/2"   | 15 | 15 | 52  | 75        | 76        | 110      | 52       | 0.3                          | 16                                       |
| 3/4"   | 20 | 20 | 63  | 80        | 85        | 120      | 81       | 0.6                          | 37                                       |
| 1"     | 25 | 25 | 67  | 90        | 95        | 130      | -        | 0.8                          | 69                                       |
| 1 1/4" | 32 | 32 | 80  | 110       | 110       | 140      | -        | 1.3                          | 120                                      |
| 1 1/2" | 40 | 38 | 93  | 120       | 125       | 175      | -        | 2                            | 198                                      |
| 2"     | 50 | 49 | 110 | 140       | 140       | 175      | -        | 3                            | 290                                      |
| 2 1/2" | 65 | 64 | 117 | 185       | -         | 220      | -        | 6                            | 340                                      |
| 3"     | 80 | 76 | 134 | 205       | -         | 270      | -        | 9                            | 498                                      |

1) Weight is for valve with locking device. PS: 0.03kg/pc for locking device.  
 2) Kv values at 1bar ΔP when valve is in 90° open position.

## Pressure temperature curve - PTFE



**Remark:**

The pressure-temperature curve above represents the theoretical performance of PTFE. However, actual pipeline conditions may impact the valve's overall performance. Please evaluate and consider the specific application conditions comprehensively.

**Coreline**

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**CORELINE LTD.**

Add: No.4 Wangjiang Road, Muqiao Town, Zhengpugang New District, 238200 Hexian, Ma'anshan City, Anhui Province, China

Http: // www.coreline.dk

E-mail : mail@coreline.cn