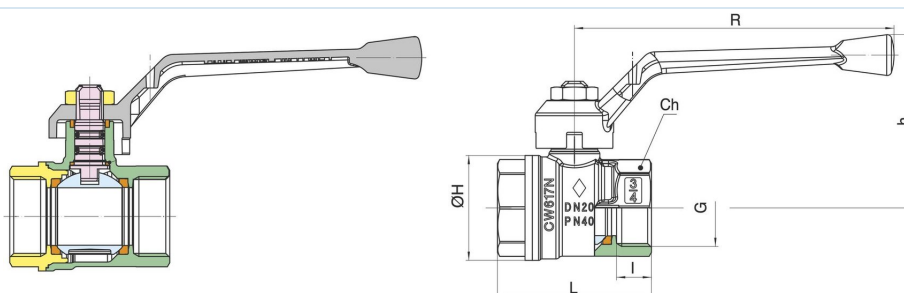


# Brass ball valves Series BA157 and BA434



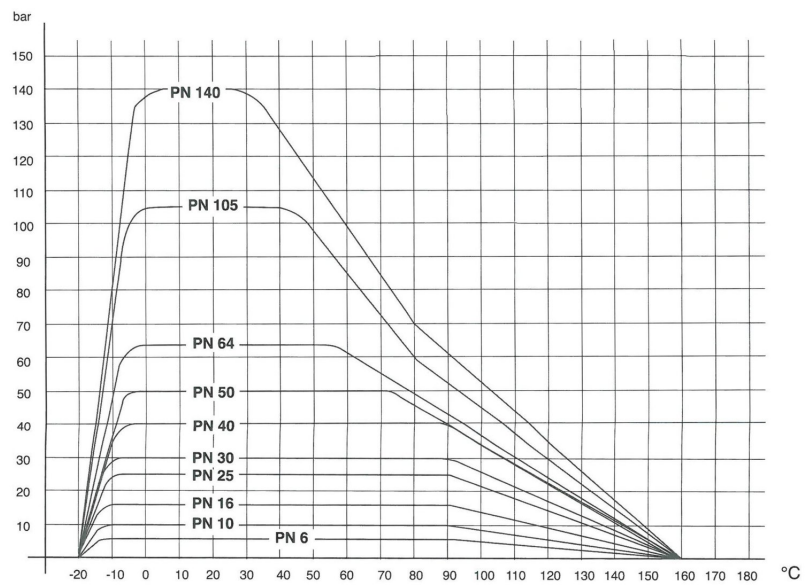
|                    |                                                                                                                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design type        | Shut-off valve with floating ball, full bore passage                                                                                                                                                      |
| Actuation          | by 90° rotation of the hand lever                                                                                                                                                                         |
| Connection         | RP1/4", RP3/8" or rather G1/2"...G4" according to ISO228/1                                                                                                                                                |
| Materials          | Body brass CW617N nickel-plated, Ball, brass CW617N, hard chrome-plated, Ball seal PTFE, Adjustable spindle seal PTFE/NBR/FKM, Aluminium hand lever                                                       |
| Application range  | Gases and liquids of group 2 in accordance with PED 2014/68/EU that do not attack the materials used.                                                                                                     |
| Medium temperature | -20...+160°C                                                                                                                                                                                              |
| Operating pressure | Vacuum max. 10 <sup>-3</sup> Torr up to Rated pressure according to table for operating temperatures up to 80°C. Permissible operating pressure for higher temperatures see pressure-temperature diagram. |
| Mounting type      | Installation in rigid piping system                                                                                                                                                                       |
| Mounting position  | any                                                                                                                                                                                                       |



| G       | DN [mm] | PN [bar] | Ch    | h     | ØH    | I    | L     | R   | Kv value [m³/h] | Weight [approx. kg] | Type        |
|---------|---------|----------|-------|-------|-------|------|-------|-----|-----------------|---------------------|-------------|
| RP1/4"  | 8       | 64       | 23    | 46,5  | 23    | 11   | 51,5  | 95  | 5,4             | 0,14                | BA157-14-L  |
| RP3/8"  | 10      | 64       | 23    | 46,5  | 23    | 11,4 | 51,5  | 95  | 6               | 0,12                | BA157-38-L  |
| G1/2"   | 15      | 50       | 30    | 47,5  | 30    | 12   | 47,5  | 95  | 15,7            | 0,14                | BA434-12-L  |
| G3/4"   | 20      | 40       | 36    | 59,5  | 36    | 12   | 53    | 110 | 28              | 0,24                | BA434-34-L  |
| G1"     | 25      | 40       | 43,5  | 62    | 43,5  | 14,5 | 65,5  | 110 | 41,5            | 0,37                | BA434-10-L  |
| G1 1/4" | 32      | 40       | 53    | 75,5  | 53    | 16   | 76,5  | 160 | 84,6            | 0,62                | BA434-114-L |
| G1 1/2" | 40      | 40       | 65    | 81,5  | 65    | 18   | 89    | 160 | 218,5           | 0,91                | BA434-112-L |
| G2"     | 50      | 40       | 80    | 99,5  | 80    | 19   | 103   | 170 | 251,5           | 1,55                | BA434-20-L  |
| G2 1/2" | 65      | 16       | 104   | 123,5 | 104   | 24   | 129,5 | 205 | 513             | 2,64                | BA434-212-L |
| G3"     | 80      | 16       | 126   | 133,5 | 126   | 27   | 151   | 205 | 829,4           | 4,25                | BA434-30-L  |
| G4"     | 100     | 16       | 154,5 | 147,5 | 154,5 | 32   | 185   | 205 | 1320,5          | 7,18                | BA434-40-L  |



Pressure-temperature diagram



Illustrations non-binding  
Design, dimensional and material changes reserved

Armatures / Ball valves - manually operated / Other materials - A02 / Ball valve made of brass Series BA157, BA434