

Non-Rising Stem, Screwed Bonnet, Solid Wedge Disc, Screwed Ends.

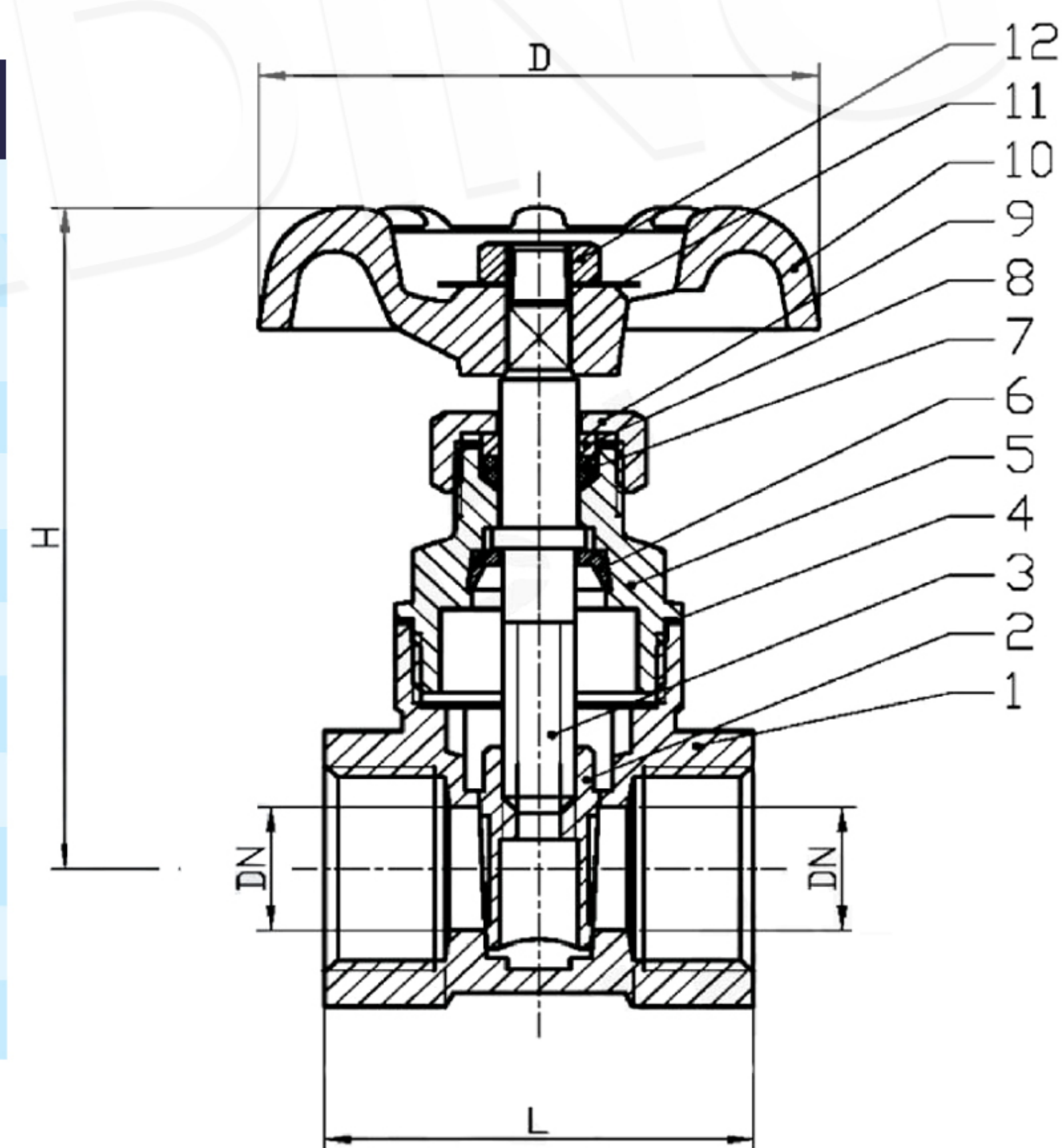
MSS Specification Valve

### FEATURE

- Suitable Medium : Water, Sea Water, Non-causticity  
: liquid, Saturated Steam
- Max.Working Pressure : 200 PSI
- Max.Temperature : -10° to 100° C
- Thread : BS 21

### GATE VALVE

Fig. GV-1101 (Reduced)



| WORK PRESSURE   |      | TEST                 |            |
|-----------------|------|----------------------|------------|
| Saturated Steam |      | Cold Water, Oil, Gas |            |
| Psi             | 125  | 200                  |            |
| Bar             | 10.3 | 13.8                 |            |
|                 |      | Shell (Water)        | Seat (Air) |
|                 |      | 300                  | 80         |
|                 |      | 20.7                 | 5.5        |

### MATERIALS

| NO. | NAME OF PARTS | MATERIAL            | ASTM SPECIFICATIONS |
|-----|---------------|---------------------|---------------------|
| 1   | Body          | Forged Brass        | B283-C37700         |
| 2   | Wedge         | Forged Brass        | B283-C37700         |
| 3   | Stem          | Forged Brass        | B124-C37700         |
| 4   | Washer        | PTFE                |                     |
| 5   | Bonnet        | Forged Brass        | B283-C37700         |
| 6   | Screw         | Forged Brass        | B283-C37700         |
| 7   | Packing       | PTFE                |                     |
| 8   | Gland         | Forged Brass        | B124-C37700         |
| 9   | Hex Nut       | Forged Brass        | B21-C37700          |
| 10  | Hand Wheel    | Cast Iron           | A126 Class B        |
| 11  | Name Plate    | Aluminium plate     | B209-1000           |
| 12  | Wheel Nut     | Steel (Zinc plated) | B307 Gr.A           |

### Note :

- End threads conform to the British standard taper pipe threads.
- Each valve is individually tested for seat and shell tightness.
- Minimum and maximum working temperature - 10° to 100°C
- These valve conform to the requirements of MSS SP-110

### DIMENSIONS

| SIZE   | DN | H   | D   | L  | Weight / kgs |
|--------|----|-----|-----|----|--------------|
| 1/2"   | 15 | 66  | 53  | 41 | 0.24         |
| 3/4"   | 20 | 75  | 53  | 46 | 0.28         |
| 1"     | 25 | 81  | 59  | 48 | 0.39         |
| 1.1/4" | 32 | 91  | 72  | 57 | 0.61         |
| 1.1/2" | 40 | 103 | 72  | 64 | 0.8          |
| 2"     | 50 | 129 | 79  | 65 | 1.15         |
| 2.1/2" | 65 | 170 | 99  | 79 | 2.3          |
| 3"     | 80 | 180 | 107 | 83 | 2.75         |

Unit : mm.