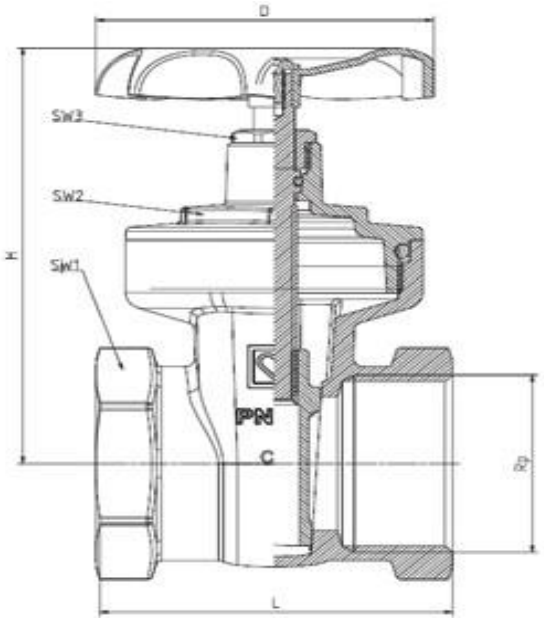
www.herz.eu

Gate Valves
Operation & Maintenance

for water, heating, air-conditioning, ventilation and sanitation system





TECHNICAL DATA:

- Dimensions: DN15 – DN50
- Body: DZR Copper alloy
- Connection thread
  ISO 228
  ISO 7 / 1
- Straight model
- Operating pressure PN 20
- Max Operating temperature 120°C
- Medium: water

Order number	DN	Rp	SW1	SW2	SW3	D	H	L
1 4113 11	15	½	27	21	15	50	85	49.4
1 4113 12	20	¾	32	21	15	50	89.5	52.4
1 4113 13	25	1	39	26	15	60	105.9	61
1 4113 14	32	5/4	49	37	15	60	126	69.6
1 4113 15	40	6/4	55	41	21	80	143.4	74
1 4113 16	50	2	68	41	25	105	176.5	89

DN	15	20	25	32	40	50
Kv	8.7	24.7	44.65	72.2	121.6	266

Kv: Rate of Flow Unit(m^3/Hr)-Water at 15.5 °Pressure drop 1 Bar(100 Kpa) When Valve fully opened

INSTALLATION

1) Thoroughly clean and prepare the piping system before valve installation. Remove the valve end caps if present, and inspect the valve ports and seating surfaces for cleanliness just prior to installation.
2) Support the valve to prevent unnecessary stresses induced by connecting pipe
3) Be sure the rating of the valve is compatible with the intended service conditions
4) Operate the valve from the full open to closed position.
5) Verify the tightness of the packing nut after installation

OPERATION

1) Gate valves are designed to be opened by rotating the Hand Wheel in a counterclockwise direction, and closing in a clockwise direction.
2) Under certain conditions, throttling flow in the near-closed position can destroy the valve seats and Bonnets. Consult factory for throttling service.

INSPECTION & MAINTENANCE

1) Periodic inspection and preventative maintenance are not required other than adjustment of stem packing, and cycling of the valve from open to closed position.
2) If a valve develops a packing leak, adjust the packing nut to increase the pressure on the stem packing. The packing nut should be turned in a clockwise direction approximately 1/4 turn, or until the leakage stops.
3) Repair or replacement of gate valves internal parts is not recommended. Damage can occur to the body and tailpiece during disassembly that would make the valve inoperable

REPAIR PARTS

Under normal conditions, repair parts are not required.