

TECHNICAL DATA SHEET / EN

TRANSIT GV-02/G

Grooved gate valve for an indicator post

A resilient-seated non-rising-stem isolation valve with a square operating nut and an indicator-post mounting arrangement. It allows a compatible post to provide remote manual operation and visible position indication.

The post transmits rotation to the valve nut, moving the internal wedge between open and closed positions.



01 Technical parameters

Parameter	Value / condition
Working pressure	300 psi / 20.7 bar
Connection	Grooved x grooved
Size range	DN65, DN80, DN100, DN125, DN150, DN200, DN250, DN300

Suitable for fire-protection water lines where the valve is below ground or otherwise difficult to reach. The post is selected and adjusted for the actual valve.

02 Certification and scope

Document	Number	Scope
FM Approvals	PR474502	Model Transit GV-02/G

Approval scope depends on model, exact size, execution, pipe, gasket and pressure. Approval is not transferable between variants.

03 Dimensions and geometry

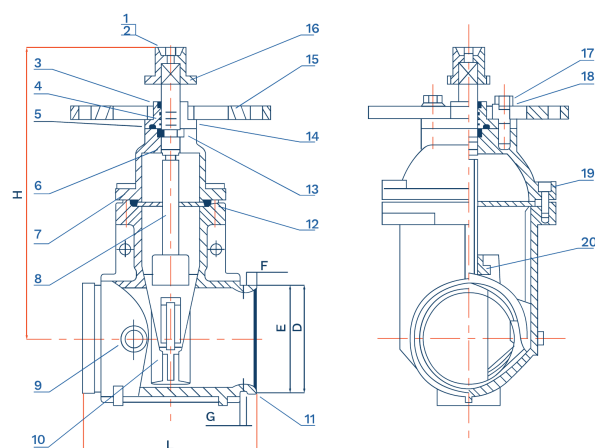


Fig. 1. Dimension symbols used in the table below.

DN	D / OD [mm]	NPS [in]	L [mm]	H [mm]
65	76.1	2½	190	292
80	88.9	3	203	322
100	114.3	4	229	342
125	139.7	5	254	412
150	168.3	6	267	448
200	219.1	8	292	534
250	273	10	330	635
300	323.9	12	356	720

Dimensions in mm. Symbols apply only to Fig. 1 and the specified variant. Do not scale the drawing.

04 Main component materials

Component	Material / construction
1. Flat washer	Carbon steel
2. Bolt	Carbon steel
3. Seal ring	EPDM
4. O-ring	EPDM
5. Seal ring	EPDM
6. O-ring	EPDM
7. Bonnet	Ductile iron
8. Stem	Stainless steel
9. Plug	Brass
10. Wedge	Ductile iron
11. Body	Ductile iron
12. Seal ring	EPDM
13. Stem guide	Brass
14. Gland	Ductile iron
15. Indicator-post flange	Ductile iron
16. Square operating nut	Ductile iron
17. Bolt	Carbon steel
18. Flat washer	Carbon steel
19. Bolt	Carbon steel
20. Wedge nut	Brass

05 Selection and compatibility

Select by model, nominal size, pipe outside diameter, groove geometry and working pressure. Check the operating space and the rating of every mating component; DN alone does not identify a compatible connection.

06 Installation and checks

Installation must be performed by qualified personnel. Isolate, drain and fully depressurise the affected section, applying the site's fire-protection impairment procedure. Clean and independently support the pipe, fit compatible couplings and check a full operating cycle and leak tightness.

07 Operation and maintenance

Inspect for leaks, corrosion, coating damage, clear markings and smooth full travel. Maintain the required service position and any monitoring or locking arrangement.

Application limitations

For isolation in fully open or fully closed positions, not flow regulation. Never dismantle or tighten a pressurised valve. Confirm the permitted temperature for the exact valve and protect water-filled pipework against freezing.

08 Ordering information

Variant	Mercatura code
DN65 / 76.1 mm	M-GV-02/G-076
DN80 / 88.9 mm	M-GV-02/G-089
DN100 / 114.3 mm	M-GV-02/G-114
DN150 / 168.3 mm	M-GV-02/G-168
DN200 / 219.1 mm	M-GV-02/G-219
DN250 / 273 mm	M-GV-02/G-273
DN300 / 323.8 mm	M-GV-02/G-324

Specify finish, gasket and required approval scope with the variant identifier. The identifier alone does not establish these attributes.