FIREKING

VIKING SupplyNet®

DN3352 Non-Rising Stem (NRS) Gate Valve

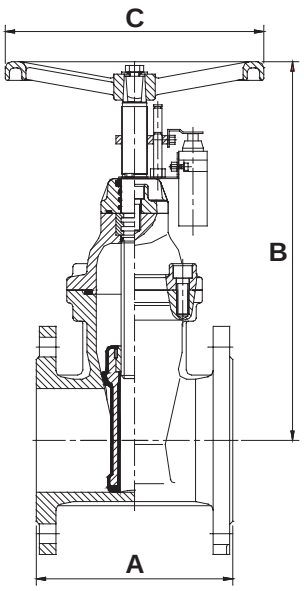
NF3352

Control Valves

Technical Features

- **Sizes available (Nominal) :** DN50/2", DN65/2 1/2", DN80/3", DN100/4", DN125/5", DN150/6", DN200/8", DN250/10" and DN300/12".
- **Working Pressure :** 16 bar (232 psi)
- **Wedge type :** EPDM Fully Encapsulated
- **Finish :** Fusion bonded epoxy inside and outside
- **Approvals :** VdS
- **Coating :** Fusion Bonded Epoxy
- **Connections :** Flange and drilling to PN-EN1092 or ANSI B16.1 PN16.
  Supervisory switch with LED =
  Reference BISU1ZWL (Normally open bracket kit supplied with valve).
  Supervisory switch without LED =
  Reference ISU1ZW (Normally open bracket kit supplied with valve).

VdS



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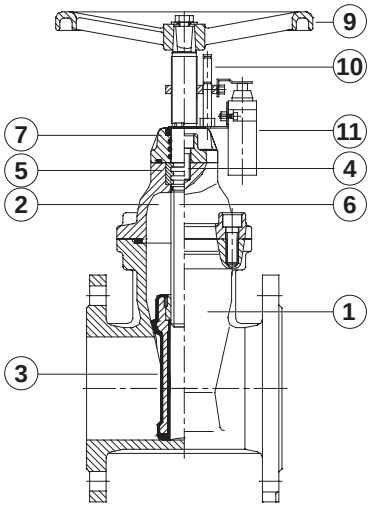
Physical Data

Nominal Pipe Size		Flange Type and Drilling	Handwheel Operating Torque Values (Nm)	Dimensions (mm / inch)			Reference	Weight (kg/lb)
Metric	inch			A	B	C		
DN50	2"	PN16	50	150 / 5.9	289 / 11.4	175 / 6.9	NF3352-0200PN	15 / 33
DN65	2 1/2"	PN16	65	170 / 6.7	309 / 12.2	175 / 6.9	NF3352-0250PN	16 / 35
DN80	3"	PN16	80	180 / 7.1	332 / 13.1	255 / 10.0	NF3352-0300PN	19 / 42
DN100	4"	PN16	120	190 / 7.5	362 / 14.3	255 / 10.0	NF3352-0400PN	25 / 55
DN125	5"	PN16	130	200 / 7.9	443 / 17.4	305 / 12.0	NF3352-0500PN	33 / 73
DN150	6"	PN16	180	210 / 8.3	480 / 18.9	305 / 12.0	NF3352-0600PN	47 / 104
DN200	8"	PN10	220	230 / 9.1	603 / 23.7	355 / 14.0	NF3352-0800PN10	72 / 159
DN200	8"	PN16	220	230 / 9.1	603 / 23.7	355 / 14.0	NF3352-0800PN16	72 / 159
DN250	10"	PN10	325	250 / 9.8	701 / 27.6	405 / 15.9	NF3352-1000PN10	103 / 227
DN250	10"	PN16	325	250 / 9.8	701 / 27.6	405 / 15.9	NF3352-1000PN16	103 / 227
DN300	12"	PN10	460	270 / 10.6	791 / 31.1	405 / 15.9	NF3352-1200PN10	155 / 342
DN300	12"	PN16	460	270 / 10.6	791 / 31.1	405 / 15.9	NF3352-1200PN16	155 / 342

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Materials List

Item	Description	Material	Specification
1	Body	Ductile Iron	EN1563 GJS-500-7
2	Bonnet	Ductile Iron	EN1563 GJS-500-7
3	Wedge Disc	EPDM coated Ductile Iron	
4	Thrust Collar	DZR Brass	EN12164, CW602N
5	Stem Nut	DZR Brass	EN12164, CW602N
6	Stem	Stainless Steel	X20Cr13
7	Gland	Ductile Iron	EN1563 GJS-500-7
8	Wrench Nut	Ductile Iron	EN1563 GJS-500-7
9	Hand Wheel	Ductile Iron	EN1563 GJS-500-7
10	Indicator System	Stainless Steel	SS304
11	Supervisory Switch & Mounting Bracket	For Switches please refer to separate datasheet. Normally Open kit supplied with valve excludes the 2 switch attaching bolts. For Normally Closed kit please refer to separate datasheet.	



2010-04-29 Updates the datasheet of 2010-04-21 (Modifed Torque values column, materials list 11, deleted installation note 7 and inspection and maintetance notes 2 & 3)

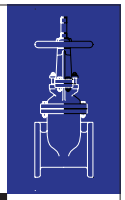
Worldwide Fire Protection

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NF3352



Control Valves

Installation

1. Piping systems and valves should be thoroughly cleaned and free from ingress of foreign materials.
2. Visually inspect the valve seating and ports for cleanliness immediately prior to installation.
3. All valves should be independently supported against movement and stress from the connected piping system.
4. Ensure that the valve pressure rating is compatible with service conditions
5. Operate the valve at least once from the open to closed position.
6. Verify that packing nuts are tight before pressurizing the system
7. Gate valves are not suitable for throttling applications.
8. Gate valves should be installed in the vertical position on horizontal pipework and in the horizontal position on vertical pipework.

Operation

Gate valves are manually operated multi-turn valves and are opened by a handwheel or other operating device, generally in a clockwise direction and then closed counterclockwise. Gate valves with counterclockwise opening should be clearly identified to ensure safe operation.

Inspection and Maintenance

1. Valves should be inspected periodically and should be cycled to prevent buildup of foreign materials in the piping system and valve body.

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