



## NRS Resilient Seat Gate Valve Fig.134FF

### Product Description

Rapidrop Fig.134FF Valve is a manually operated, non rising stem resilient wedge gate valve designed for use in fire protection systems for on/off operation only. Valves are suitable for vertical installation. It is recommended to use gearbox operated post indicator. Rapidrop vertical post indicator is available separately and it comes complete with a gearbox.

Valve components are corrosion resistant or coated with a thermally applied fusion-bonded epoxy. The EPDM encapsulated ductile iron wedge with a compression mechanism is designed to achieve water tight sealing.

### Maximum Working Pressure

DN350 - DN450 (14" - 18") 17.2 bar (250 psi)  
DN500 & DN600 (20" & 24") 13.8 bar (200psi)

### Temperature Range

0° to 65°C (32°F to 149°F)

### Flange Specification

- PN16 RF Flange
- ANSI Class 125/150 Flange
- Face to face according to EN558-1 series 3

### Design Standard

AWWA C515

### Coating

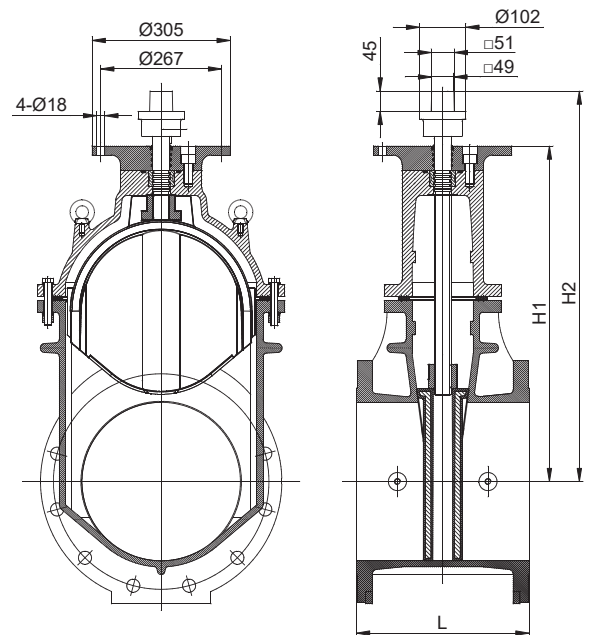
Fusion Bonded Epoxy Coating in accordance with ANSI /AWWA C550

### Approvals

FM Approved  
UL Listed

### Post Indicator

Model	Ordering Code
Fig.101L	RDPOSTINDIP889

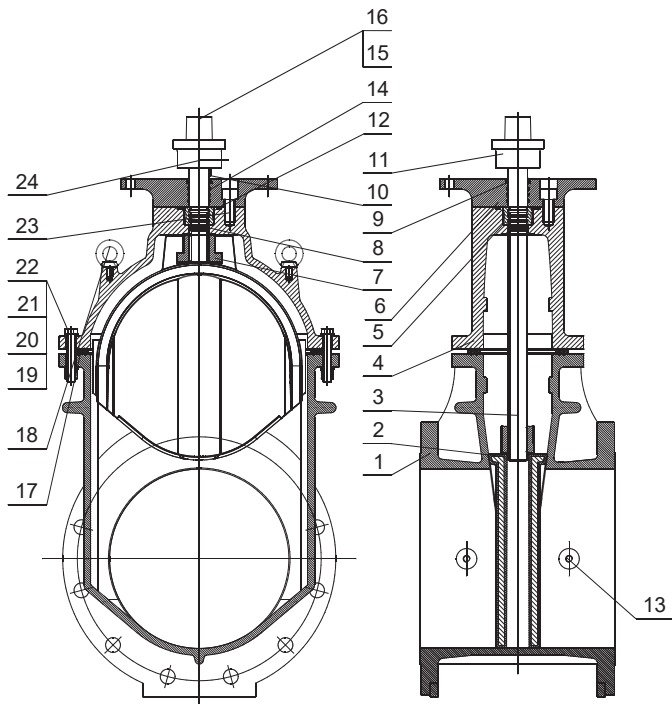


### Dimensions

Sizes		L	H1	H2	Weight kg	Turns to open	Required torque to close the valve (Nm)	Ordering Codes	
mm	inch							PN16	ANSI
DN350	14"	381	741	862	232	29	300	RD134FF350	RD134FF350A
DN400	16"	406	816	938	324	33.5	370	RD134FF400	RD134FF400A
DN450	18"	432	936	1057	485	37.5	440	RD134FF450	RD134FF450A
DN500	20"	457	1021	1142	638	42	488	RD134FF500	RD134FF500A
DN600	24"	508	1173	1295	1028	50	640	RD134FF600	RD134FF600A

# NRS Resilient Seat Gate Valve

## Fig.134FF



### Installation

Rapidrop Fig.134FF Flanged Gate Valve is suitable for indoor and outdoor use. The valve should be installed in a location easily accessible for operation and maintenance. The valve can be installed in vertical position and the flow can be from either direction through the valve. Valves should be supported independently to prevent the movement and stresses from the connecting piping system.

1. Visually inspect the valve, make sure that the connecting flanges are clean of debris and any foreign materials.
2. Ensure that valve is in the closed position during handling and installation process.
3. Insert the valve with appropriate gaskets between the flanges and tighten all flange bolts using the crossover method.
4. After tightening the bolts check the operation by fully opening and closing the valve.
5. Before pressurising the system make sure the valve is in fully open position.

### Material Specifications

Part No	Part Description	Material
1	Body	Ductile Iron
2	Seat Rubber Coating	Ductile Iron + EPDM
3	Shaft	Stainless Steel 304
4	Cover	Ductile Iron
5	Split Ring	Gunmetal
6	Seal Seat	Ductile Iron
7	Plate Nut	Gunmetal
8	O-Ring	EPDM
9	Dust Cover	EPDM
10	Key (A type)	ASTM A1045
11	Square Head	Ductile Iron
12	O-Ring	EPDM
13	Square Pipe Plug	Stainless Steel 304
14	O-Ring	EPDM
15	Spring Washer	Stainless Steel 304
16	Hex Cylinder Head Screw	Stainless Steel 304
17	Gasket	EPDM
18	Lifting Bolt	Steel
19	Bolt	Stainless Steel 304
20	Spring Washer	Stainless Steel 304
21	Nut	Stainless Steel 304
22	Washer	Stainless Steel 304
23	Hex Cylinder Head Screw	Stainless Steel 304
24	Allen Long Cylindrical Side Set Screws	Stainless Steel 304

### Care and Maintenance

The valve should not be used to force a pipeline into position as this may result in the damage of the valve components.

The use of excessive force to open or close the valve violates all warranties.

Rapidrop gate valves require no regular maintenance, however it is advisable to inspect and verify proper operation of the unit annually or in accordance with the authority having jurisdiction.

The inspection should include a visual check for leakage at the pipe connection and the stem.

It is recommended to shut down the system if repacking the valve is necessary. Inspection and maintenance should be performed by a competent person in accordance with national codes/requirements.

Debris in the piping system might cause difficulties in closing the valve, this problem can be overcome by opening and then closing the valve again.

Minor degradations of surface finish should not affect the performance of the valve.