

NRS Resilient Seated Gate Valve PN16 ELECTRIC ACTUATOR FIG. VA3243E

Specification

- ✓ Design in accordance with BS 5163 and BS EN 1074-2
- ✓ EPDM fully encapsulated ductile iron wedge for reliable tight shut-off
- ✓ Pressure testing in accordance with BS EN 12266-1 & BS EN 1074-1/2, as applicable
- ✓ Rated working pressure: PN16 / 16 bar
- ✓ Electric actuator suitable for ON/OFF valve operation
- ✓ Open and close limit switches for accurate end-position control
- ✓ Torque protection to protect the valve & actuator against excessive operating torque
- ✓ Power supply and control configuration available according to project requirements

Black Protection under the hand wheel is necessary to protect the valve internal parts from the dust

Material Specification

Item	Part Name	Material	Specification
1	Body	Ductile Iron	BS EN 1563 – EN-GJS-450-10
2	Bonnet	Ductile Iron	BS EN 1563 – EN-GJS-450-10
3	Wedge	EPDM Fully Encapsulated Ductile Iron	BS EN 1563 / BS EN 681-1
4	Wedge Nut	Brass	BS EN 12164
5	Stem	Stainless Steel	BS EN 10088 – X17CrNi16-2
6	Valve Sleeve	EPDM	BS EN 681-1
7	Bushing	Brass	BS EN 12164
8	Scraper Seal	EPDM	BS EN 681-1
9	O-Rings	EPDM / NBR	BS EN 681-1
10	Snap Ring	Brass	BS EN 12164
11	Gasket	PTFE	
12	Stem Seal	NBR	BS EN 681-1
13	Screws	Carbon Steel	Grade 8.8 , BS EN ISO 898-1
14	Bonnet Gasket	EPDM	BS EN 681-1

Corrosion Protection

Fusion Bonded Epoxy (FBE) coated. Minimum coating thickness: 250 Micron

PRESSURE/ TEMPERATURE RATING

✓ 16 bar from -10°C to 90°C

HYDROSTATIC TEST PRESSURE

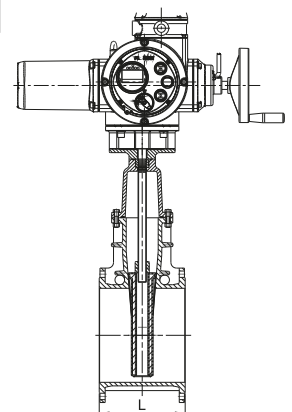
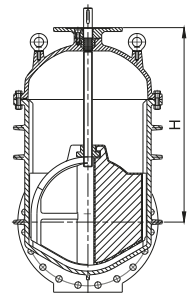
✓ Shell - 24 bar ✓ Seat - 17.6 bar

APPLICATIONS

✓ Testing Standard: BS EN 12266-1 / BS EN 1074

Main Dimensions (mm)

Size	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300	DN350
L	178	191	203	299	254	267	292	330	356	-
H	265	280	305	340	380	455	540	630	710	727
D	175	175	255	255	305	305	355	405	405	558
Size	DN400	DN450	DN500	DN600	DN700	DN800	DN1000	DN1200	DN1400	-
L	406	432	457	508	610	660	811	1015	1080	-
H	792	907	992	1122	1421	1595	2094	2429	2826	-
D	558	558	610	762	-	-	-	-	-	-



Features & Benefits

- ✓ Electric Actuator Operation Enables remote and automated opening and closing of the valve
- ✓ Fully Encapsulated Wedge EPDM coating protects the ductile iron wedge from direct contact with the medium
- ✓ Triple O-Ring Stem Seal Provides dependable stem sealing and helps minimise maintenance requirements
- ✓ Low Operating Torque Designed for smooth valve operation and efficient actuator sizing
- ✓ Position & Torque Protection Limit and torque switches provide controlled actuator operation

Notes

Specifications, materials and dimensions shown are subject to change without prior notice

