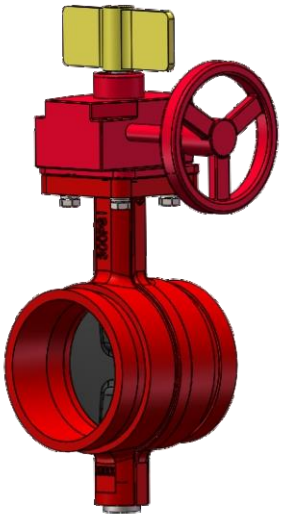
# Grooved Butterfly Valve with Signal Gear Box
## Fig. NSBU-G



## Descriptions

Nordic Valves Model NSBU-G grooved butterfly valve is the gear operated fitted with visual indicator and supervisory switch. Model NSBU-G butterfly valves are suitable for installation in AWWA C606 grooved end pipeline.
Model NSBU-G is listed for 200psi/250psi/300psi. Valve gear is fitted with two internal switches with SPDT contact to supervise valve open or closed position. Model NSBU-G offers minimum flow restriction and pressure loss when used in the fully open position.

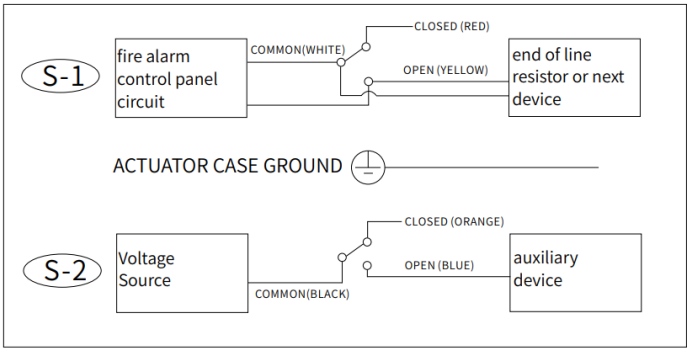
## Features

Robust valve body in ductile iron
Fully encapsulated valve disc
Fusion bonded epoxy power coating comply with ANSI/AWWA C550
FM approved for use in fire protection system
Remote electrical position indicator with two separate micro switches

## Technical Specification

Design Standard: FM1112
Face-to-face Standard: MSS-SP67
Long Test Standard: FM1112, UL1091
Connection Standard: AWWA C606/VDS 2100
Working Pressure: 300/250/200psi
Working Temperature: -10 - 120°C

## Wire Diagram

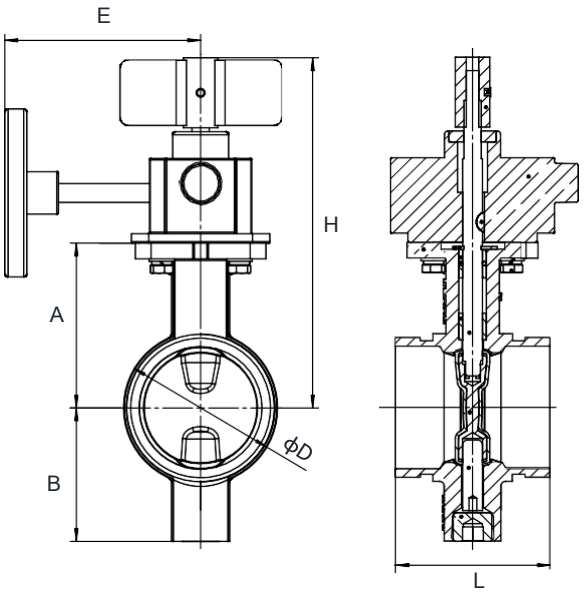



(Valve Fully Open)

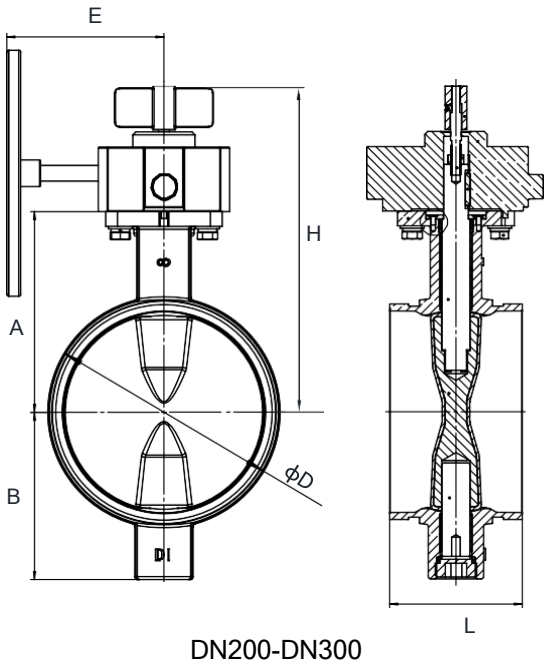
Switch1 (S-1): For connection to supervisory circuit of an alarm control panel.
Switch2 (S-2): Auxiliary switch for connection to a local device.

Subject to change without notice due to continuing products development.

# Grooved Butterfly Valve with Signal Gear Box
## Fig. NSBU-G




DN50-DN150




DN200-DN300

## Materials

| Part | Material | Specification |
|---|---|---|
| Body | Ductile Iron | ASTM A536 |
| Disc | EPDM Fully Encapsulated Ductile Iron | ASTM A536+EPDM |
| Shaft (Upper/Lower) | Stainless Steel | ANSI SS410 |
| O-Ring | EPDM | - |
| Bushing | Bronze | ASTM B150M C63000 |
| Gland | Galvanized Carbon Steel Surface Passivation | |
| Washer | Galvanized Carbon Steel Surface Passivation | |
| Plug | Galvanized Carbon Steel Surface Passivation | |
| Gear Box Housing | Ductile Iron | ASTM A536 |
| Gear Box Fasteners | Galvanized Carbon Steel Surface Passivation | |

## Dimensions (mm)

| DN | A | B | E | H | L | ΦD |
|---|---|---|---|---|---|---|
| DN 50 | 95 | 72 | 125 | 213 | 84.5 | 60.3 |
| DN 65 | 98 | 78 | 125 | 216 | 98 | 73/76.1 |
| DN 80 | 105 | 85 | 125 | 223 | 98 | 88.9 |
| DN 100 | 135 | 105 | 125 | 253 | 116 | 114.3 |
| DN 125 | 148 | 128 | 140 | 269 | 149 | 139.7/141.3 |
| DN 150 | 165 | 140 | 140 | 285 | 147.6 | 165.1/168.3 |
| DN 200 | 204 | 170 | 159 | 325 | 134 | 219.1 |
| DN 250 | 245 | 205 | 159 | 373 | 160 | 273 |
| DN 300 | 277.5 | 258.3 | 228 | 403.5 | 165 | 323.85 |

Subject to change without notice due to continuing products development.