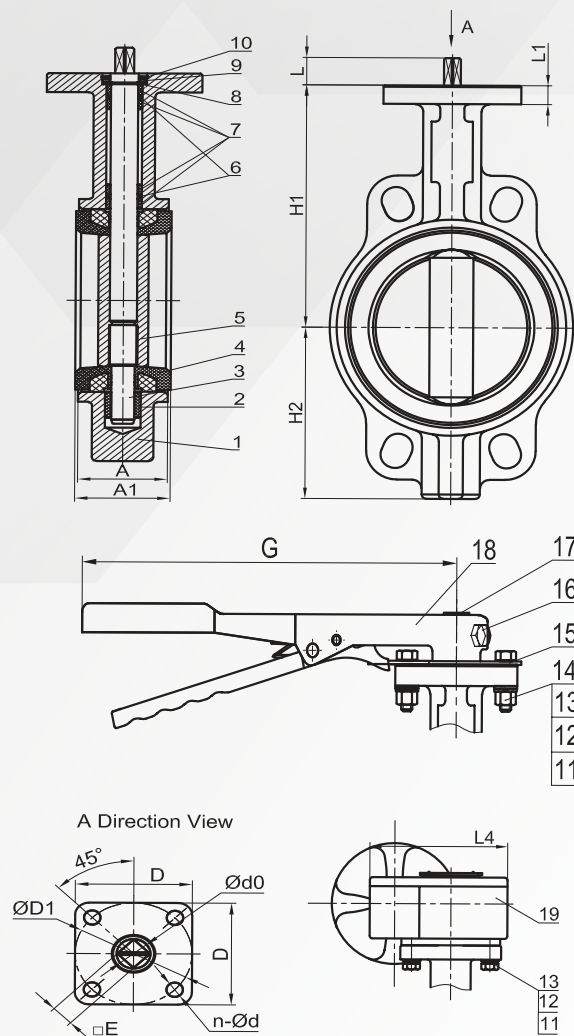


## Installation, Operation, and Maintenance (IOM) Manual for Wafer Style Butterfly Valve

19	Gear Box	Cast Iron
18	Lever	Malleable Iron
17	Plastic Cover	ABS
16	Screw	SS316/SS201
15	Notch Plate	SS430
14	Nut	SS316/SS201
13	Plain Washer	SS316/SS201
12	Lock Washer	SS316/SS201
11	Hex Bolt	SS316/SS201
10	Circlip	65Mn
9	Washer	Carbon Steel
8	Circlip	65Mn
7	O-Ring	NBR/EPDM
6	Bushing	Bronze/PTFE
5	Shaft	SS410
4	Seat	NBR/EPDM
3	Disc	DI/CF8/CF8M
2	Body	DI
1	Bushing	Bronze/PTFE
Item	Name	Material



Refer to the diagram and parts list above for a detailed view of each component, assisting with installation, operation, and maintenance for optimal valve performance.



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**Note:** This document is a general guideline for the installation, operation, and maintenance of Wafer Butterfly Valves, intended to assist trained personnel in following recommended procedures. It is not an exhaustive set of instructions. Carefully read the manual for safe and efficient use. We are not liable for damages arising from its use. Consult a professional if you have specific concerns related to your application or environment. For additional assistance, contact your supplier or representative.

## PRODUCT OVERVIEW

- The Wafer-Style Butterfly Valve offers efficient and compact flow control for diverse industrial applications. Its streamlined wafer body design simplifies installation between flanges, minimizing space requirements while maintaining reliable bi-directional flow and tight shut-off. Featuring a lightweight construction, quick quarter-turn operation, and precision-engineered components, this valve ensures smooth performance and long service life. Ideal for handling various fluids, it is easy to install, operate, and maintain, making it suitable for systems demanding reliability and efficiency.

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## INSTALLATION

- **Inspection Before Installation**
  - Verify that the valve matches the working conditions (size, pressure, and material compatibility).
  - Check the seat, disc, and sealing surfaces for debris or damage.
  - Confirm smooth operation of the disc and alignment with the actuator.
- **Preparation**
  - Inspect the pipeline to ensure it is free of debris and obstructions.
  - Align the pipe flanges with the valve's wafer design.
  - Ensure the bolts and gaskets match the valve dimensions.
- **Installation Steps**
  - Place the valve between the flanges, centering it properly.
  - Tighten bolts evenly in a diagonal sequence to ensure a proper seal.
  - Avoid over-tightening, which may distort the valve or affect operation.
  - Operate the valve to verify smooth functionality.



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## OPERATION

- Operate the valve by turning the handle or actuator a quarter turn for open or close positions.
- Avoid applying excessive force during operation to prevent damage.
- If the valve is difficult to operate, inspect for obstructions or damage to the sealing surfaces.

## MAINTENANCE

- Periodically inspect the valve for leakage, debris, or wear.
- Ensure bolts and connections remain tight over time.
- For valves equipped with gearboxes:
  - Lubricate the worm gear annually or as needed.
  - Replace grease if it appears dirty or degraded.
- If sealing issues occur:
  - Remove the valve for inspection.
  - Repair or replace damaged components as necessary.
- Always store unused valves in a clean, dry environment with the disc slightly open (5-10 degrees).

