



**Pesflow**  
ONE STOP INDUSTRIAL VALVE SOLUTIONS

# PESFLOW SINGLE-DISC NON-SLAM CHECK VALVE



## KEY VALUE POINTS

- **Space-saving wafer design** – slips between flanges, cuts weight & footprint.
- **Complete stainless Steel Construction** – Grade CF8 (SS304) / CF8M (SS316) resist corrosion for longer life
- **Class #150/#300 service** – built for steam, condensate, liquids, gases.
- **IBR & Non-IBR options** – ready for regulated and general-purpose duties
- **Sizes DN 15 – DN 200 (½" – 8")** keep selection simple.
- **Can Be Mounted vertically and horizontally both direction.**

## 1. Materials of Construction

Part	Standard Material
Body	CF8 / CF8M (SS 304 / 316)
Disc	AISI 304/ 316
Spring	AISI 304/ 316
Spring holder	AISI 304/ 316
Seat	Metal to Metal as standard PTFE soft-seat (on request)

**Note:** Metal seating is **not suitable for hazardous or poisonous media** .

## 3. Performance Envelope

- **Pressure rating:** ASME Class 300
- **Temperature range:** -29 °C to 425 °C (metal seat)
- **Flow direction:** Horizontal or vertical (up-flow).

## 4. Design & Compliance

- Face-to-face dimensions per API 594 wafer pattern.
- Flange compatibility: ASME B16.5 RF.
- Hydrostatic & seat tests meet API 598.

## 5. Typical Applications

Steam & condensate lines, compressed-air headers, process water, thermal oil loops, inert-gas systems, and chemical transfer (non-toxic media).

## 2. Size & Dimensional Data (mm)

DN	A	B	C	D
15	60	15	38	17
20	70	20	47	20
25	81	25	55	23
32	90	32	68	28
40	101	40	76	32
50	115	50	93	40
65	142	65	109	46
80	154	80	128	50
100	184	100	148	60



## Address

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