

# INNOVA J

## Overflow Single Seat Valve



### APPLICATION

The INNOVA type J valve is a pneumatic single seat valve designed for use as overflow valve in hygienic installations. Its most important applications involve operating as a by-pass valve for positive displacement pumps or protecting equipment against excessive pressure.

Adjusting the screw on the upper part sets the spring pressure, which sets the valve's closing pressure.

The valve opens when the set pressure is exceeded.

The valve comes with an actuator that enables liquid to flow during CIP cleaning processes.

### DESIGN AND FEATURES

Opening pressure range: 50 kPa - 600 kPa (0,5 bar - 6 bar).

Easy assembly/disassembly of internal parts by loosening a clamp fastener.

Open lantern allows visual inspection of shaft sealing.

360° adjustable body.

### TECHNICAL SPECIFICATIONS

#### Materials

|                                    |                    |
|------------------------------------|--------------------|
| Parts in contact with the product  | 1.4404 (AISI 316L) |
| Other stainless steel parts        | 1.4301 (AISI 304)  |
| Gasket in contact with the product | EPDM               |

#### Surface finish

|          |                                   |
|----------|-----------------------------------|
| Internal | Bright polish $Ra \leq 0,8 \mu m$ |
| External | Matt                              |

#### Available sizes

|                                                          |                |
|----------------------------------------------------------|----------------|
| DIN EN 10357 series A<br>(previously DIN 11850 series 2) | DN 25 - DN 100 |
| ASTM A269/270<br>(corresponds to OD pipe)                | OD 1" - OD 4"  |

#### Connections

Weld

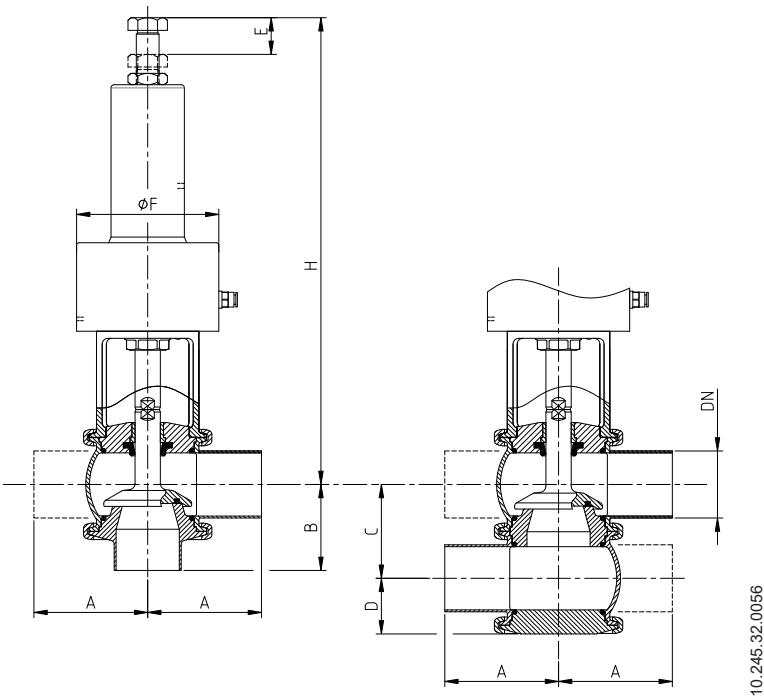
Operating limits

|                          |                                    |                  |
|--------------------------|------------------------------------|------------------|
| Temperature range        | -10°C to 121°C                     | 14°F to 250°F    |
| SIP temperature          | 140°C (max. 30 min)                | 284°F            |
| Maximum working pressure | 1000 kPa (10 bar)                  | 145 PSI          |
| Minimum working pressure | Vacuum                             | Vacuum           |
| Maximum opening pressure | 50 kPa - 600 kPa (0,5 bar - 6 bar) | 7,3 PSI - 87 PSI |
| Compressed air pressure  | 600 kPa - 800 kPa (6 - 8 bar)      | 87 - 116 PSI     |

OPTIONS

- Gaskets: HNBR or FPM.
- Other connection types.
- Opening pressure range: from 6 to 10 bar for sizes DN 25, 40, 50, 65 and 80.
- External position sensors.
- Internal surface finish: Ra < 0,5 µm.
- Bodies with heating jacket.
- Steam barrier.

DIMENSIONS



|     | DN  | Pipe         | A   | B   | C   | D  | E  | ØF  | H   | kg <sup>1</sup> |
|-----|-----|--------------|-----|-----|-----|----|----|-----|-----|-----------------|
| DIN | 25  | 29,0 x 1,50  | 50  | 50  | 50  | 32 | 35 | 87  | 335 | 4,3             |
|     | 40  | 41,0 x 1,50  | 85  | 60  | 62  | 38 | 35 | 87  | 344 | 5,3             |
|     | 50  | 53,0 x 1,50  | 90  | 68  | 74  | 44 | 35 | 112 | 373 | 8,1             |
|     | 65  | 70,0 x 2,00  | 110 | 81  | 92  | 53 | 35 | 145 | 410 | 14,2            |
|     | 80  | 85,0 x 2,00  | 125 | 90  | 107 | 60 | 35 | 145 | 417 | 15,5            |
|     | 100 | 104 x 2,00   | 150 | 125 | 127 | 70 | 16 | 145 | 405 | 18,8            |
| OD  | 1"  | 25,4 x 1,65  | 50  | 50  | 46  | 30 | 35 | 87  | 333 | 4,3             |
|     | 1½" | 38,1 x 1,65  | 85  | 60  | 59  | 36 | 35 | 87  | 343 | 5,3             |
|     | 2"  | 50,8 x 1,65  | 90  | 68  | 72  | 43 | 35 | 112 | 372 | 8,1             |
|     | 2½" | 63,5 x 1,65  | 110 | 81  | 86  | 50 | 35 | 145 | 407 | 14,1            |
|     | 3"  | 76,2 x 1,65  | 125 | 90  | 99  | 56 | 35 | 145 | 413 | 15,3            |
|     | 4"  | 101,6 x 2,11 | 150 | 125 | 124 | 69 | 16 | 145 | 404 | 18,7            |

1) The weights correspond to the "L" housing combination

HOUSING COMBINATIONS

