

INNOVA R

Double Seat Shut-off Valve



APPLICATION

The INNOVA R valve is a pneumatic double seat diverter valve for hygienic applications with a mixproof function between the upper and intermediate body.

At atmospheric pressure, a leak detection chamber forms between the seats of both upper shafts, enabling safe separation between two products, one of which is usually a cleaning agent (CIP). The leak detection chamber is cleaned by separate activation of the seats during the CIP stage of the installation.

DESIGN AND FEATURES

- Hygienic design in accordance with EHEDG.
- No leakage during valve opening and closing.
- Balanced lower shaft.
- Single-acting pneumatic actuator.
- Easy disassembly of internal parts.
- Open lantern enables visual inspection of the shaft plug.
- 360° positioning for bodies.

TECHNICAL SPECIFICATIONS

Materials

Parts in contact with the product	1.4404 (AISI 316L)
Other steel parts	1.4301 (AISI 304)
Seals in contact with the product	EPDM

Surface finish

Internal	Polished gloss $Ra \leq 0.8 \mu m$
External	Matte

Available sizes

DIN EN 10357 series A (previously DIN 11850 series 2)	DN 40 - DN 100
ASTM A269/270 (suitable for an OD pipe)	OD 1½" - OD 4"

Connections

Welded

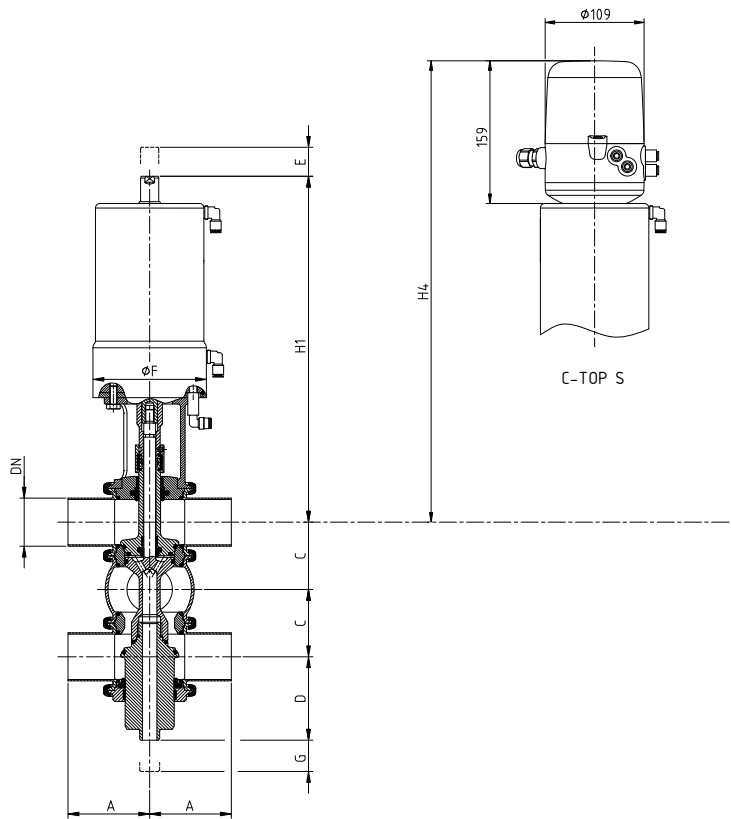
Operating thresholds

Operating temperature	-10°C to 121°C
SIP temperature	140°C (up to 30 minutes)
Maximum operating pressure	1000 kPa (10 bar)
Minimum operating pressure	Vacuum
Compressed air pressure	6 - 8 bar

OPTIONS

- FPM and HNBR seals.
- Other connections: male, clamp.
- C-TOP S control unit.
- External positioning sensors.
- Surface finish Ra ≤ 0.5 µm

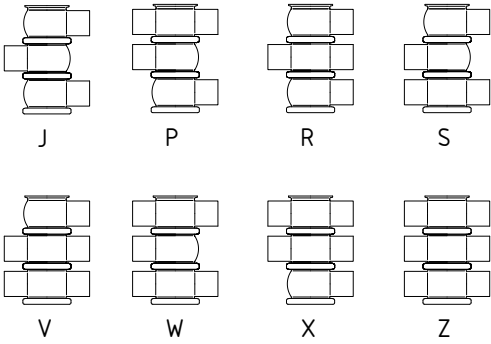
DIMENSIONS



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	DN	Pipes	A	C	D	E	ØF	G	H1	H4	kg
DIN	40	41.0 x 1.50	85	62	84	22	125	6	375	504	15
	50	53.0 x 1.50	90	74	92	22	125	6	381	510	18
	65	70.0 x 2.00	110	92	117	28	161	10	469	598	31
	80	85.0 x 2.00	125	107	126	28	161	10	477	605	35
	100	104 x 2.00	150	127	152	43	193	10	521	650	52
OD	1½"	38.1 x 1.65	85	59	82	22	125	6	377	505	15
	2"	50.8 x 1.65	90	72	91	22	125	6	382	511	18
	2½"	63.5 x 1.65	110	86	115	28	161	10	472	601	31
	3"	76.2 x 1.65	125	99	123	28	161	10	481	609	34
	4"	101.6 x 2.11	150	124	151	43	193	10	523	651	52

BODY COMBINATIONS



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