

I TYPE SINGLE SEAT VALVE



IMPLEMENTATION

I-SSV is a single seal valve offering a wide range of implementation areas as a dual or triple way stop valve or three or five way flow diversion valve, with a flexible design that operates with air.

OPERATION PRINCIPLE

The valve is controlled remotely with pressurized air. Few number of simple moving parts in its content make it a reliable and long-lasting valve.

STANDARD DESIGN

I-SSV consists of an actuator, gaskets, cover and valve bodies. All components are combined with clamp rings and a shaft terminal fitting. The valve is only partially combined when shipping to simplify its installation. The valve is welded as a standard.

ACTUATOR FUNCTION

(NC) opened by pulling up the piston as a standard, optionally normally open (NO) and Air/Air (A/A), dimensions 25-101,6 mm / DN25-100. Actuator for the intermediary position of valve cover as an option, dimensions 25-101,6 mm / DN25-100.

Note:

I-SSV valve is designed, tested and approved according to EHEDG standard.

TECHNICAL DATA

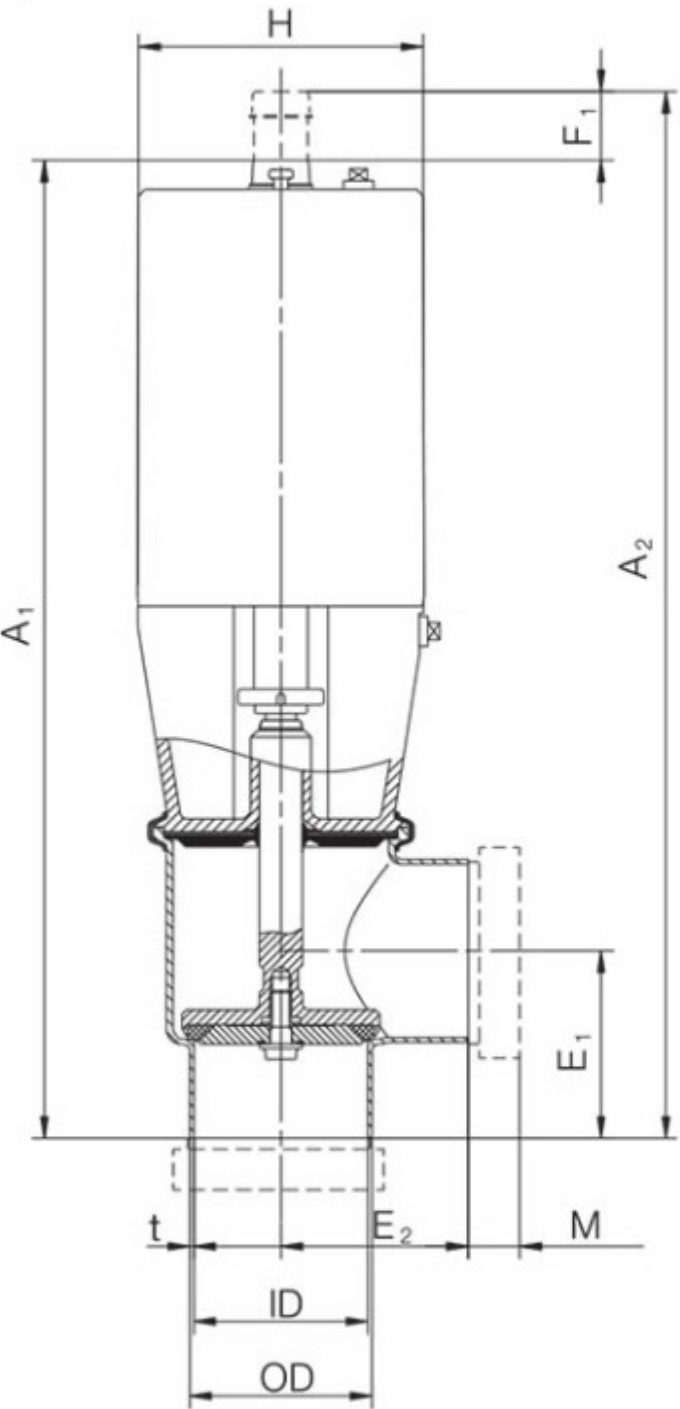
Maximum product pressure .....	1000 kPa (10 bar)
Minimum product pressure.....	Full vacuum
Temperature Range, standard Gasket.....	(-)10°C to + 100°C (EPDM)
Air pressure, actuator.....	500-700 kPa (5-7 bar)

MATERIALS

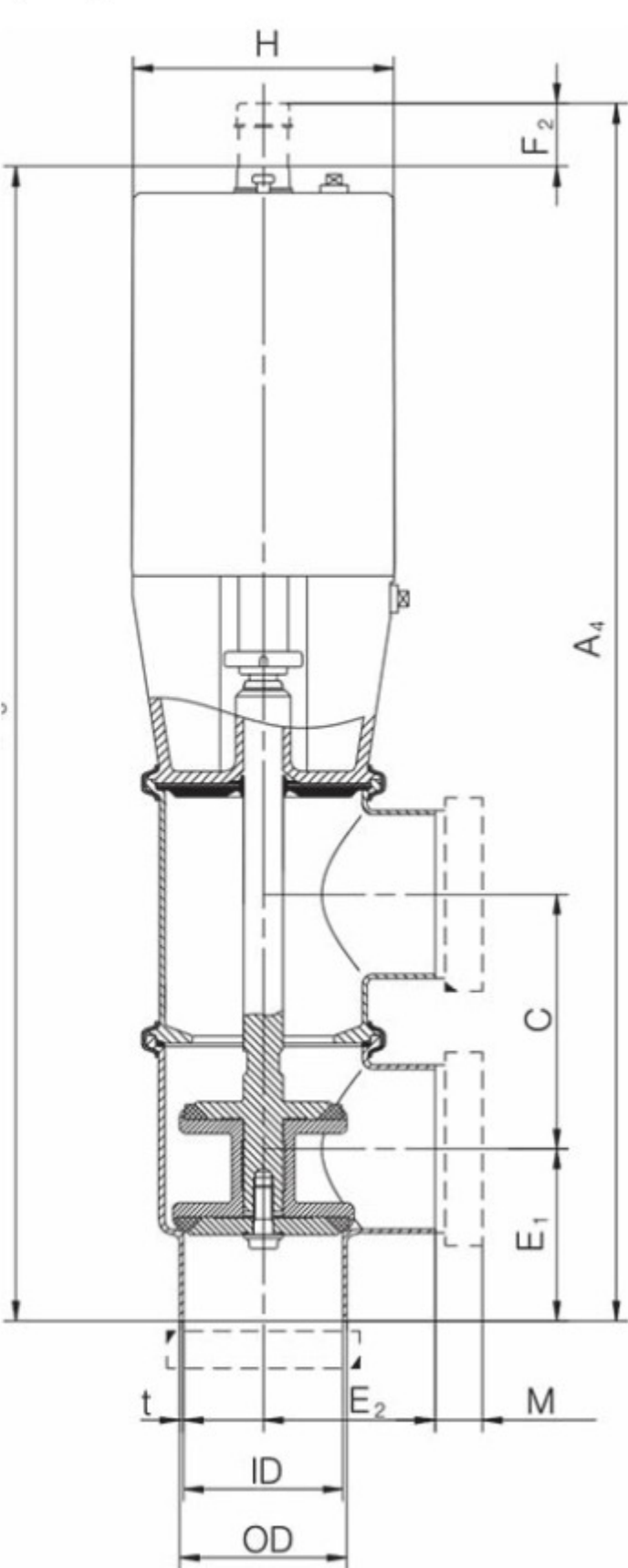
Parts that come into contact with the product.....	Stainless steel 1.4307 (304L)
Surface.....	Semi-lustrous.
Other Stainless Parts.....	1.4307 (304L)
Cover shaft .....	1.4307 (304L)
Gaskets that come into contact with the product.....	EPDM (standard)
Other Gaskets.....	Nitrile (NBR)

Ebat / Dimensions	mm						DIN					
	DN/OD						DN					
	25	38	51	63.5	76.1	101.6	25	40	50	65	80	100
A <sub>1</sub>	311	345	355	389	455	527	311	343	354	386	456	526
A <sub>2</sub>	332	370	380	414	487	559	332	368	379	411	488	558
A <sub>3</sub>	365	416	449	500	584	677	365	414	448	497	585	676
A <sub>4</sub>	387	441	474	525	616	709	387	439	473	522	617	708
C	55.6	79	94	113	129	163	55.6	79	94	113	129	160
OD	25.2	38.1	50.8	63.5	76.1	101.6	29	41	53	70	85	104
ID	22.2	34.9	47.6	60.3	72.1	97.6	26	38	50	66	81	100
t	1.5	1.6	1.6	1.6	2.0	2.0	1.5	1.5	1.5	2.0	2.0	2.0
E <sub>1</sub>	30.1	49.5	62	82	87	134	32	49.5	62	82	87	134
E <sub>2</sub>	57	49.5	62	82	87	134	57	49.5	62	82	87	134
F <sub>1</sub>	21	25	25	25	32	32	21	25	25	25	32	352
F <sub>2</sub>	20	25	25	25	32	32	20	25	25	25	32	32
H	87	87	87	87	133	133	87	87	87	87	133	133

a) Shut-Off Valve



b) Change Over Valve



Factors Affecting Opening/Closing Time:

- Air supply (air pressure)
- Length and dimensions of air hoses
- Number of valves connected to the same air line
- Use of single Solenoid valve for serially-connected air actuator functions
- Product Pressure.

Air Connections Pressurized air:

1/8" (BSP), Annular gear.