

# ANGLE SEATED VALVE HF FULL STAINLESS STEEL

## MAIN CHARACTERISTICS

The full stainless steel HF valve is dedicated to the automatically shut off of pipes for all kinds of industrial fluids. The Y pattern body allows very low pressure loss in the valve. The stainless steel construction of the body, and the internal parts make the HF valve adapted for use on a lot of kinds of fluids with pressure up to 16 bar and temperatures up to 180°C. The head of the actuator in stainless steel is adjustable in any direction and makes the HF adapted for service in corrosive and/or in hygienic areas, especially in food and drug industries.

## AVAILABLE ITEMS

½" to 2" threaded connections normally closed (NC) Inlet above the disc  
½" to 2" threaded connections normally closed (NC) Inlet under the disc

## LIMITS OF USE

Fluid PS	16 bar
Fluids TS	-10°C / +180°C
Air supply pressure	10 bar max.



## CLASSIFICATION ACCORDING TO 97/23/EC PRESSURE EQUIPMENT DIRECTIVE

A3§3 – Use forbidden for gases of group I.

## 1 – NORMALY CLOSED INLET ABOVE THE DISC

DN	Ø Head	Kv (m <sup>3</sup> /h)	ΔP (bar)	Min. air pressure (bar)
½"	50	4.7	0-16	3
¾"	50	9.5	0-16	3 – 4
1"	50	18.1	0-16	3 – 5.5
1"1/4	63	23.1	0-16	3 – 5
1"1/2	63	32.9	0-16	3 – 6.5
2"	80	52.8	0-16	3 – 6.6

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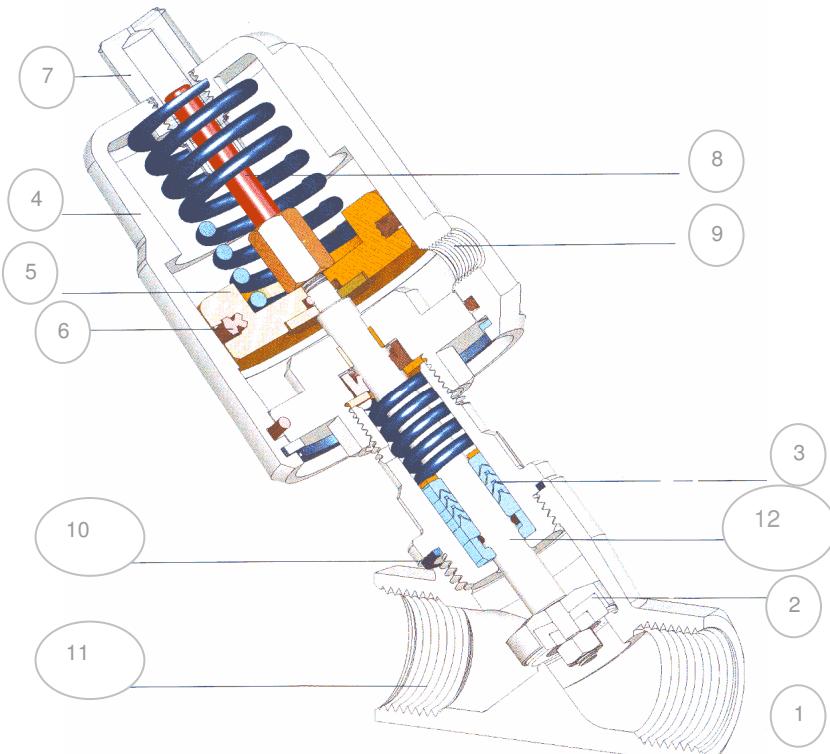
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## 2 – NORMALLY CLOSED INLET UNDER THE DISC

DN	Ø Head	Kv (m <sup>3</sup> /h)	ΔP (bar)	Min. air pressure (bar)
½"	50	4.7	0-16	4.5
¾"	50	9.5	0-12	4.5
1"	63	18.1	0-10	4.5
1"1/4	63	23.1	0-6	4.5
1"1/2	80	32.9	0-10	4
2"	80	52.8	0-6	4

## CONSTRUCTION

Rep.	Item	Material
1	Body	Stainless steel F316
2	Disc	Stainless steel F316 + PTFE
3	Packing	PTFE
4	Actuator	Stainless steel F304
5	Piston	Brass
6	Ring gasket	NBR
7	Indicator	Polycarbonate
8	Indicator stem	Polymere
9	Connection	BSP 1/8" or BSP ¼"
10	Body gasket	PTFE
11	Connection	BSP threaded
12	Spring	Steel



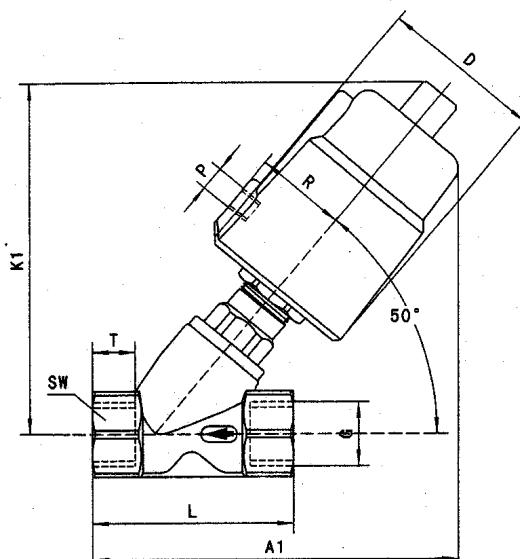
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## DIMENSIONS (mm)

DN	Ø head	D	R	P	K1	A1	L	T
½"	50	62	34	G 1/8"	128	131	68	13.5
¾"	50	62	34	G 1/8"	131	134	75	16
1"	50	62	34	G 1/8"	139	146	90	17
1"	63	77	41.5	G 1/8"	163	170	90	17
1"1/4	63	77	41.5	G 1/8"	161	161	112	18
1"1/2	63	77	41.5	G 1/8"	169	169	126	18
1"1/2	80	98	52	G 1/4"	185	185	126	18
2"	80	98	52	G1/4"	195	241	146	22



## MOUNTING AND MAINTAINING

- Before installation, shut off the line using upstream and downstream valves.
- Remove the pressure inside and drain the pipe.
- If the pipe is warm, wait the complete cooling to room temperature.
- Wear protections equipments adapted to this kind of operation (gloves and glasses).
- Install the valve on the pipe, taking into account the direction of the arrow stamped on the body of the valves.
- Connect the feeding's air tube on the ¼" connection of the head.
- Check the right operating of the valve by using the red indicator on the head (item 7).
- The HF valves do not need any particular maintaining.
- In case of in-line leakage, verify the state of the disc (item 2) and the air pressure feeding.
- In case of leakage at the packing, verify the state of the packing's ring (item 3).
- In case of loss of power of the head, verify the state of the ring gasket (item 6).

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