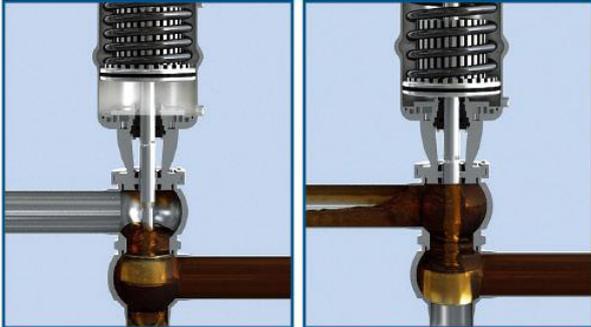




Sanitary
single seat valve

Sanitary
single seat valve



Applications:

Single-seat valve Series Applications: DZ3 single-seat valve with very flexible and meets the design of sanitary requirements, mainly used in the area which is no contamination or mixing of the pipeline system, it is a modern and widely-used valve, the main applied to wine, dairy, beverages. pharmaceutical and other industries.

Operating Principles:

DZ3 series of single-seat valve series is remotely operated through compressing air. By controlling the relative position of valve mandril to open or close (shut-off type), or to change the direction of media flow (change-over type).

DZ3 single-seat valve series is equipped with aomi's ZK3 intelligent controller not only can achieve in-time monitoring and timely feedback of signal the single-seat valve of the remote control, but also can achieve real-time of the valve working condition and signal the timely feedback. Also Only can be equipped with the position sensors.

DZ3 single-seat valve series by installing the adapter board burkert company's 1066 controller.



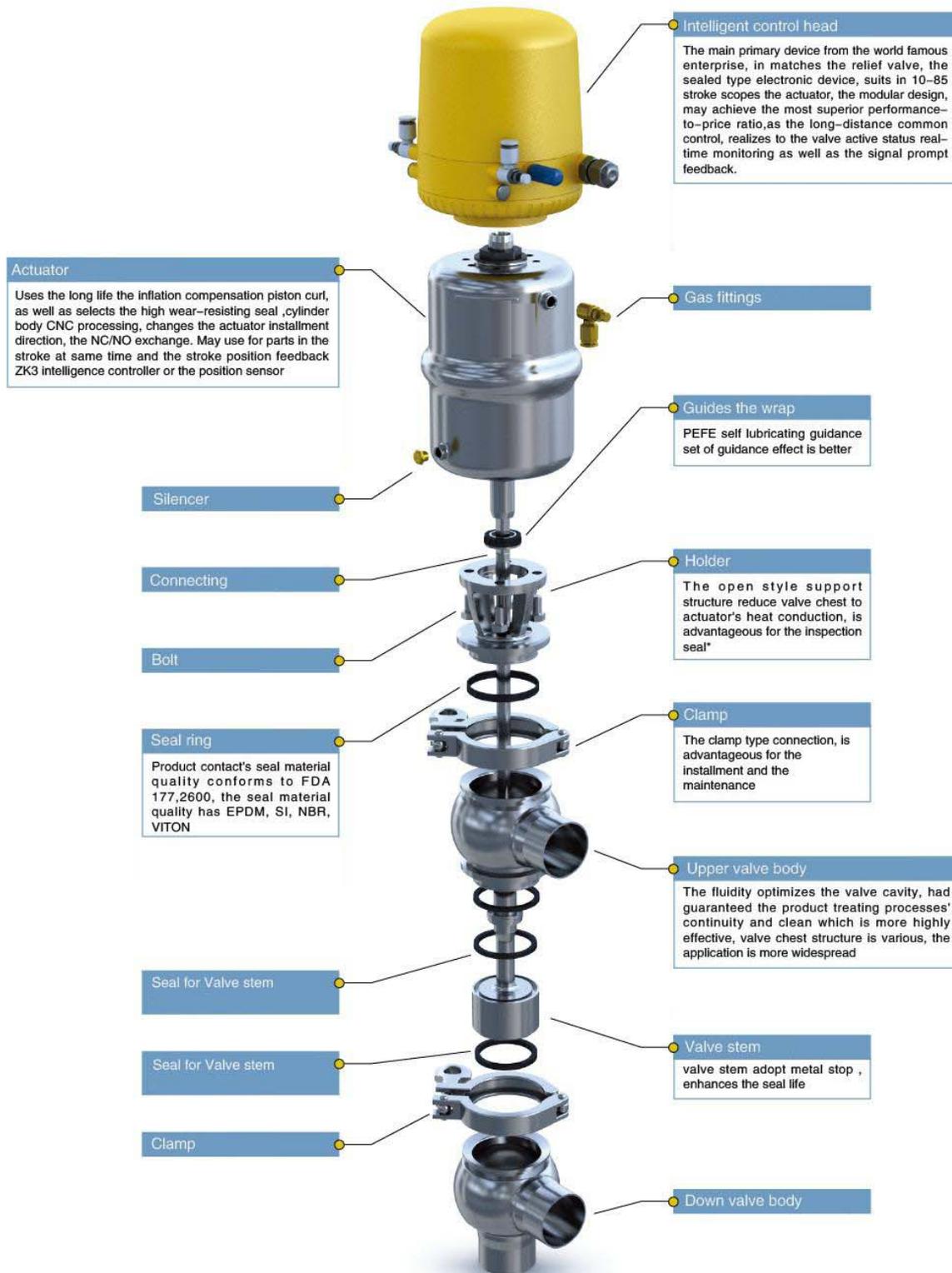
Intelligent Controller



Position Sensor

Actuator function:

- downward movement by pneumatic actuator, spring reset
- up movement by pneumatic actuator, spring reset
- up or downward movement by pneumatic actuator



*DZ3 series of single-seat valves :all the diameters are with the identical installation dimensions of valve actuator, so that the access of all the diameter of valve body can match the actuator and meet different customer requirements of working pressure on valve .

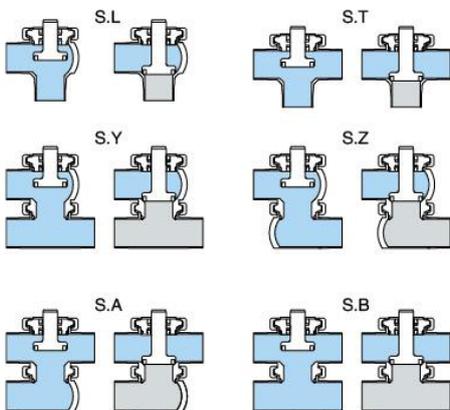
Sanitary single seat valve

Technical data

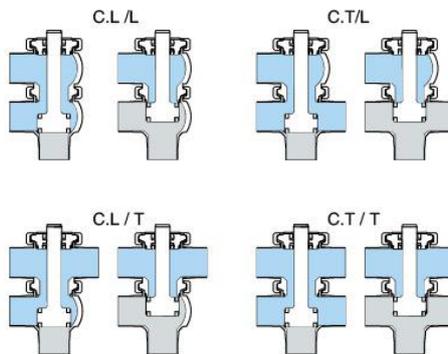
Material	Contact product parts	316L(1.4404)
	non-contact product parts	304(1.4301)
	Provide E N 10204 3.1B certificate	
Seal material	Standard	EPDM
	Option	NBR, FPM, Silicone
	All seal materials comply with FDA 177.2600	
Temperature	Running working temperature	-20~+135°C (EPDM)
	Sterilization temperature	150°C (Max 20min)
Pressure	Working pressure	0~5bar(standard)
	Accepting high pressure requirement	
	Control air pressure	5~8bar
Surface treatment	Internal surface	Ra ≤ 0.8μm
	External surface	Grit blasting
Connection	Connection standard	welded end: DIN 11850 series2
		welded end: INCH pipe standard
	Connection method: welding, thread, clamp, flange	
Option	Intelligent controller	24V DC
		1/2 electromagnetism valve
	Position sensor	24V DC
		2 NPN/PNP position sensor

Body type

SHUT-OFF Series

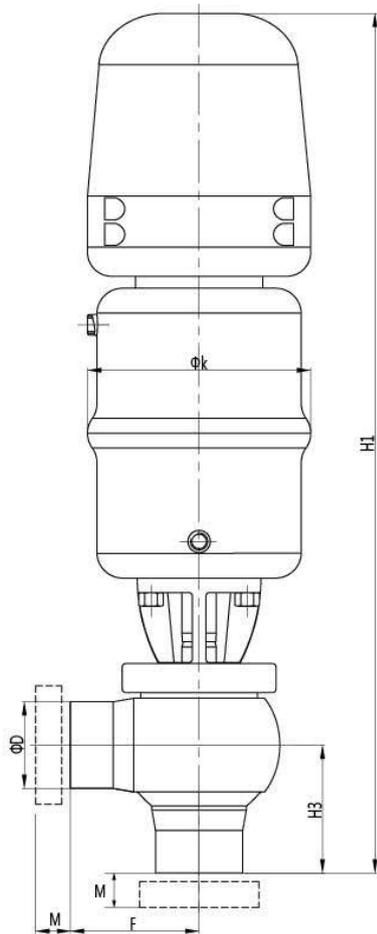


CHANGE-OVER Series

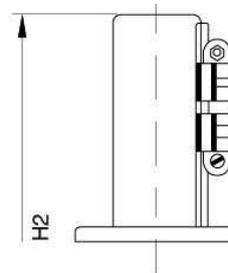


SHUF-OFF Series

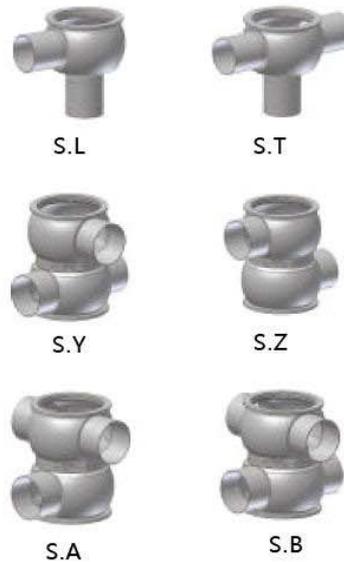
single seat valve with intelligent control



single seat valve with position sensor

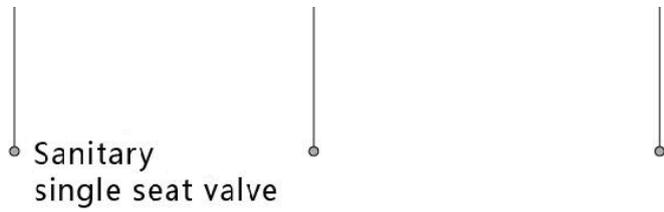


body design



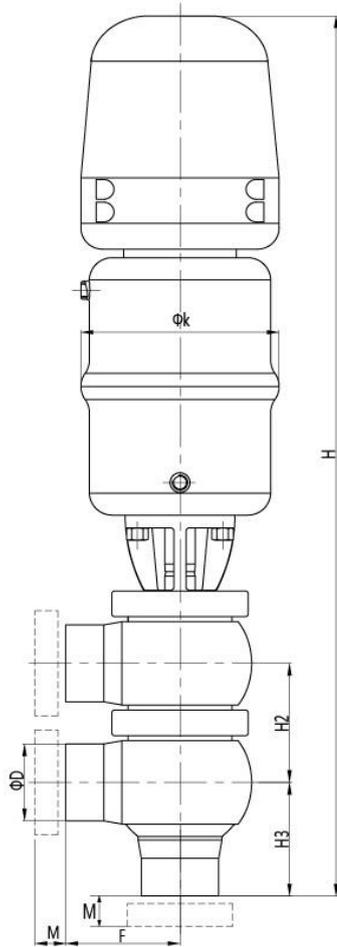
dimensions (mm)

DN	D	K	F	H1	H2	H3	M(clamp)
25	29x1.5	91	55	402	344	55	21.5
32	35x1.5	91	65	463.5	405.5	62.5	21.5
40	41x1.5	91	65	463.5	405.5	62.5	21.5
50	53x1.5	130	75	506.7	448.7	75	21.5
65	70x2.0	130	90	524.4	566.2	90	28
80	85x2.0	195	105	629.2	571.2	105	28
100	104x2.0	195	120	653.7	595.7	120	28
INCH							
1.0"	25.4x1.65	91	55	402	344	55	12.7
1.5"	38.1x1.65	91	65	463.5	405.5	62.5	12.7
2.0"	50.8x1.65	130	75	506.7	448.7	75	12.7
2.5"	63.5x1.65	130	85	522.5	564.2	85	12.7
3.0"	76.2x1.65	195	95	616.2	558.2	95	12.7
4.0"	101.6x2.11	195	120	653.7	595.7	120	15.8

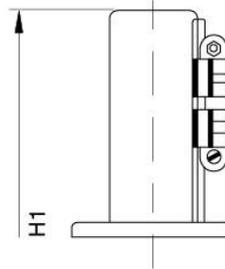


CHANGE-OVER SERIES

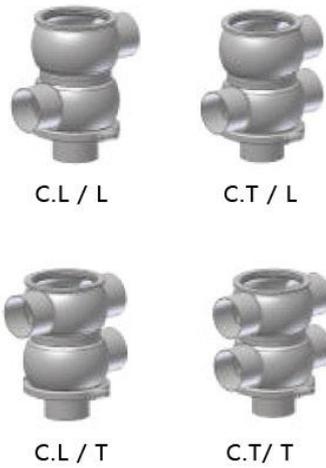
single seat valve with intelligent control



single seat valve with position sensor



body design



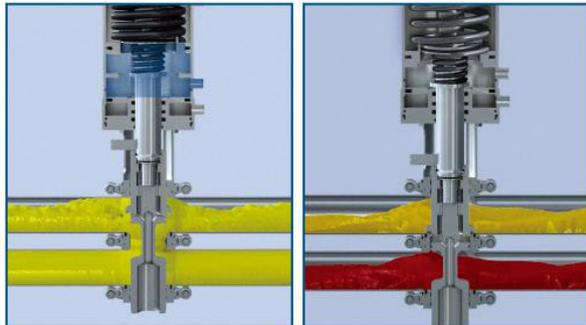
dimensions (mm)

DN	D	K	F	H	H1	H2	H3	M(clamp)
25	29x1.5	91	65	452.3	394.3	50.3	55	21.5
32	35x1.5	91	65	529.5	471.5	66	62.5	21.5
40	41x1.5	91	65	529.5	471.5	66	62.5	21.5
50	53x1.5	130	75	585.3	527.3	78.6	75	21.5
65	70x2.0	130	90	618.7	560.7	94.3	90	28
80	85x2.0	195	105	739.5	581.5	110.3	105	28
100	104x2.0	195	120	792	724	128.3	120	28
INCH								
1.0"	25.4x1.65	91	65	452.3	394.3	50.5	55	12.7
1.5"	38.1x1.65	91	65	529.5	471.5	66	62.5	12.7
2.0"	50.8x1.65	130	75	585.3	527.3	78.6	75	12.7
2.5"	63.5x1.65	130	85	613	555	90.5	85	12.7
3.0"	76.2x1.65	195	95	719.2	661.2	103	95	12.7
4.0"	101.6x2.11	195	120	792	724	128.3	120	15.8



sanitary double
seat mix-proof valve

Sanitary double seat mix-proof valve



Opening

Parallel Working

Applications:

Double seat mix-proof valve application : used for protection mixing products in brewing , dairy and drink .etc

Operating Principles:

FH6/FH8 Basic double seat mix-proof valve is controled through compressed air . The valve is a normally closed (NC) valve. The double seat valve has two divided seals of valve disc . it has a interlinked cavity of leak between two seal at working . while it happen leaking , the products will inpour the cavity and flow away from exit .it will not caused pollution and mixing . the leaking cavity closed while the valve working .it is impossible to overflow for the products .so the products can be transported from one pipe to another . also the valve can be washing CIP .

double seat valve withZK3 intelligent control head . not only achieved remote control , and monitoring under working . can setting only transducer .

double seat valve can be controled with 1066 controller from Burkert company through setting adapter plate .



Intelligent Controller



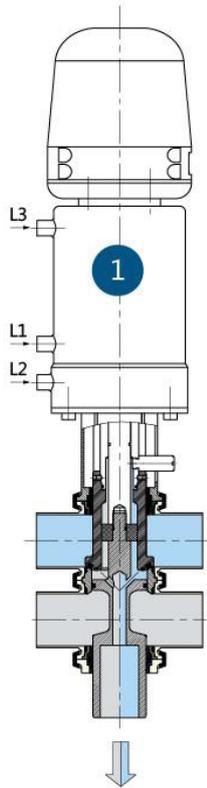
Position Sensor



Sanitary double seat mix-proof valve

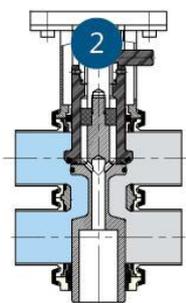
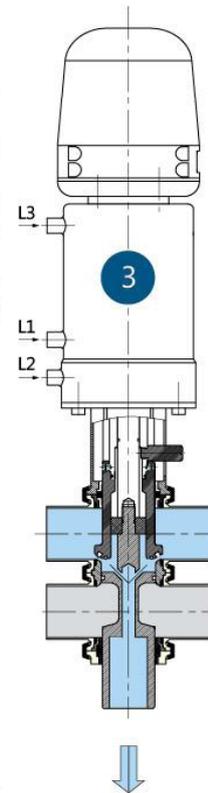
FH6 SEAT LIFT

Basic function of FH6 series



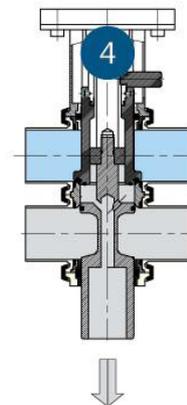
- ① Valve position "CLOSED"
- Control air pressure 0 bar on connection L 1 (main stroke)
 - Control air pressure 0 bar on connection L 2 (pulse stroke of top valve disk)
 - Control air pressure 0 bar on connection L 3 (pulse stroke of bottom valve disk)
 - Separation of two hostile media
 - Leakages, if any, are guided outwards through the leakage room in a depressurized state

- ③ Cleaning the upper valve housing / valve seat
- Control air connection 6 bar on connection L 2
 - Top valve disk is lifted during cleaning process (adjustable stroke pulse) Set stroke pulse in accordance
 - Valve seat, valve disk seals or clearance and leakage exhaust pipe are cleaned



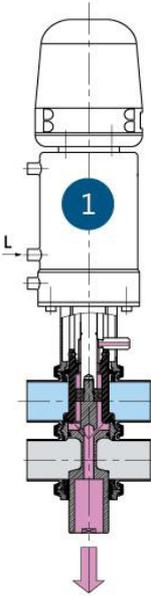
- ② Valve position "OPEN"
- Control air pressure 6 bar on connection L 1
 - Bottom valve will lift and close the leakage room
 - Both valve disks in "open" position
 - Top and bottom rail will open in relation to each other

- ④ Cleaning of the lower seat via valve housing
- Control air pressure 6 bar on connection L 3
 - Bottom valve disk is lifted during cleaning procedure
 - Valve seat, valve disk seals or clearance and leakage exhaust pipe are cleaned



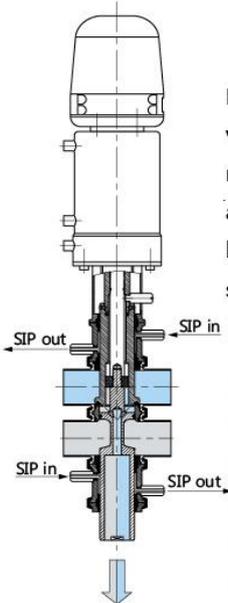
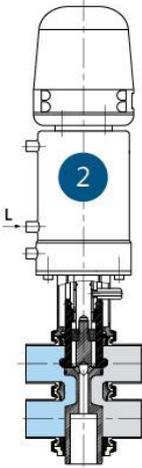
FH8 CAVITY SPRAY VALVE

Basic function of FH8 series



- ①Valve position "CLOSED"
- Control air pressure 0 bar connection
 - Separation of two hostile media
 - Leakages, if any, are guided outwards through the leakage room in a depressurized state

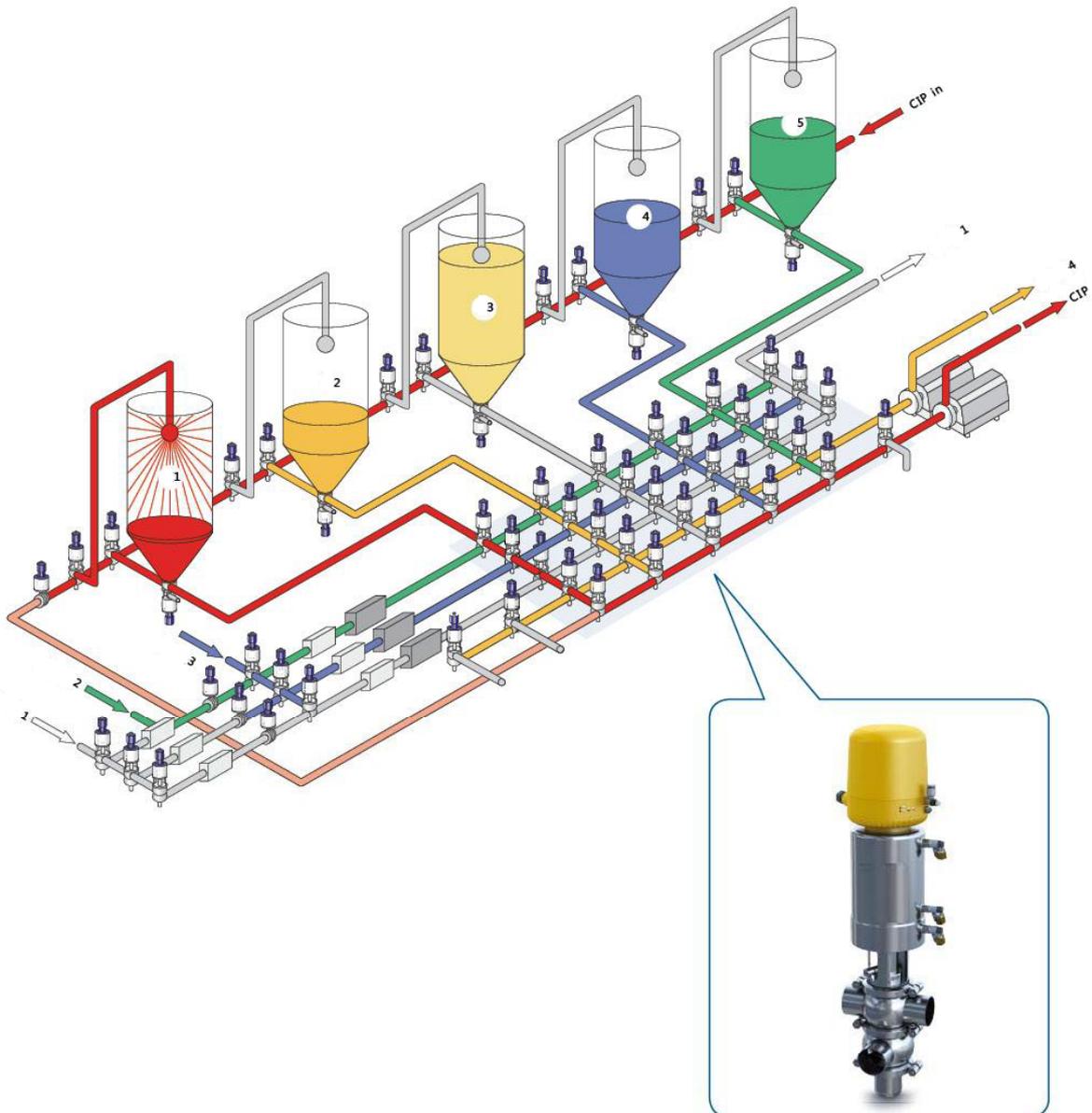
- ②Valve position ,OPEN "
- Control air pressure 6 bar connection L
 - Bottom valve will lift and close the leakage room
 - Both valve disks in "open" position
 - Top and bottom rail will open in relation to each other



FH6-SP/FH8-SP double seat valve series : to meet the higher requirement for sanitary fluid area . it add SIP sterilization basis on FH6/FH8 basis double seat mix-proof valve

Sanitary double seat mix-proof valve

double seat valves matrix are sure the factory sanitary and aseptic requirements . the factory has capability to establish automatic and more way system . the valves matrix can achieve operation for the modern production technics and washing circulate . using workshop in maximum and optimizing economy . double seat valve make sure protection the product mixing . see details of photo .



Technical data

Material	Contact product parts	316L(1.4404)
	non-contact product parts	304(1.4301)
	Provide E N 10204 3.1B certificate	
Seal material	Standard	EPDM
	Option	NBR\FPM\Silicone
	All seal materials comply with FDA 177.2600	
Temperature	Running working temperature	-20~+135°C (EPDM)
	Sterilization temperature	150°C (Max 20min)
Pressure	Working pressure	0~5bar
	Accepting high pressure requirement	
	Control air pressure	6~8bar
Surface treatment	Internal surface	Ra ≤ 0.8μm
	External surface	Grit blasting
Connection	Connection standard	welded end: DIN 11850 series2
		welded end: INCH pipe standard
	Connection method: welding, thread, clamp, flange	
Option	Intelligent controller	24V DC
		1/3 electromagnetism valve
	Position sensor	24V DC
		2/3/4 NPN/PNP position sensor

Body type



Type1



Type2

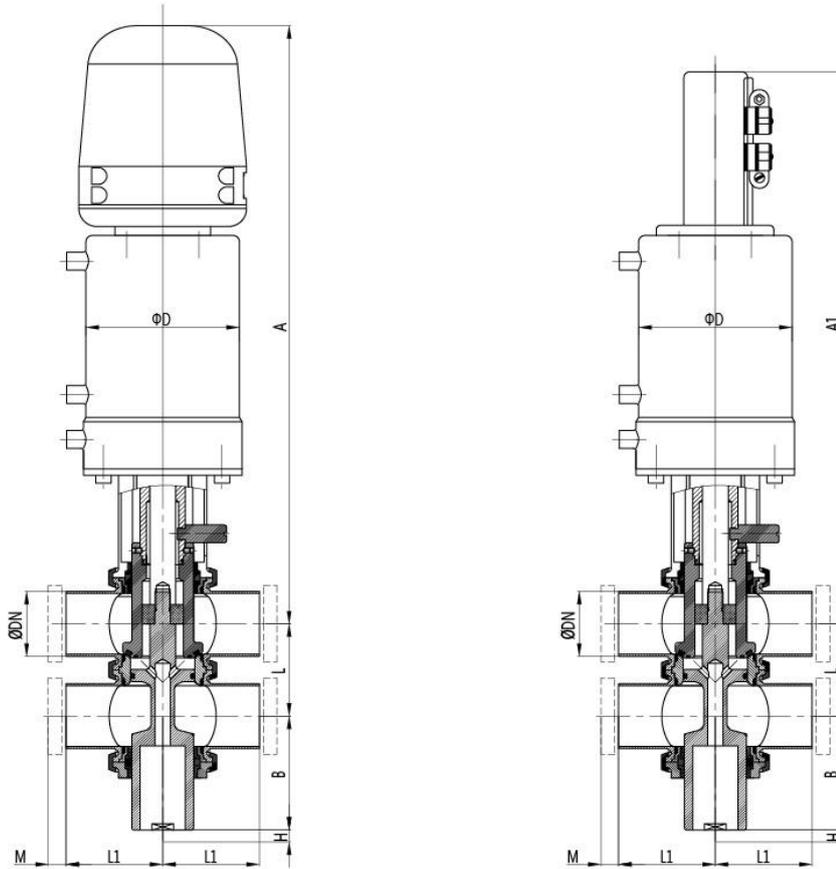


Type3



Type4

Sanitary
double seat
mix-proof valve



dimensions (mm)

DN	A	A1	B	L	L1	D	DN	Stroke	M(Clamp)
DN40	443.6	385.6	90	63.2	65	83	41x1.5	33.5	21.5
DN50	469.5	411.5	100	74.5	85	123	53x1.5	38	21.5
DN65	477	419	115	92	100	123	70x2.0	38	28
DN80	623.5	565.5	140	111	125	173	85x2.0	55	28
DN100	633.3	575.3	150	130	150	173	104x2.0	55	28
INCH									
1.5"	442	384	90	60	65	83	38.1x1.65	33.5	12.7
2.0"	468	410	100	72	85	123	50.8x1.65	38	12.7
2.5"	474	416	110	86.8	100	123	63.5x1.65	38	12.7
3.0"	632	574	135	102.9	125	173	76.2x1.65	55	12.7
4.0"	632	574	150	127.6	150	173	101.6x2.11	55	15.8