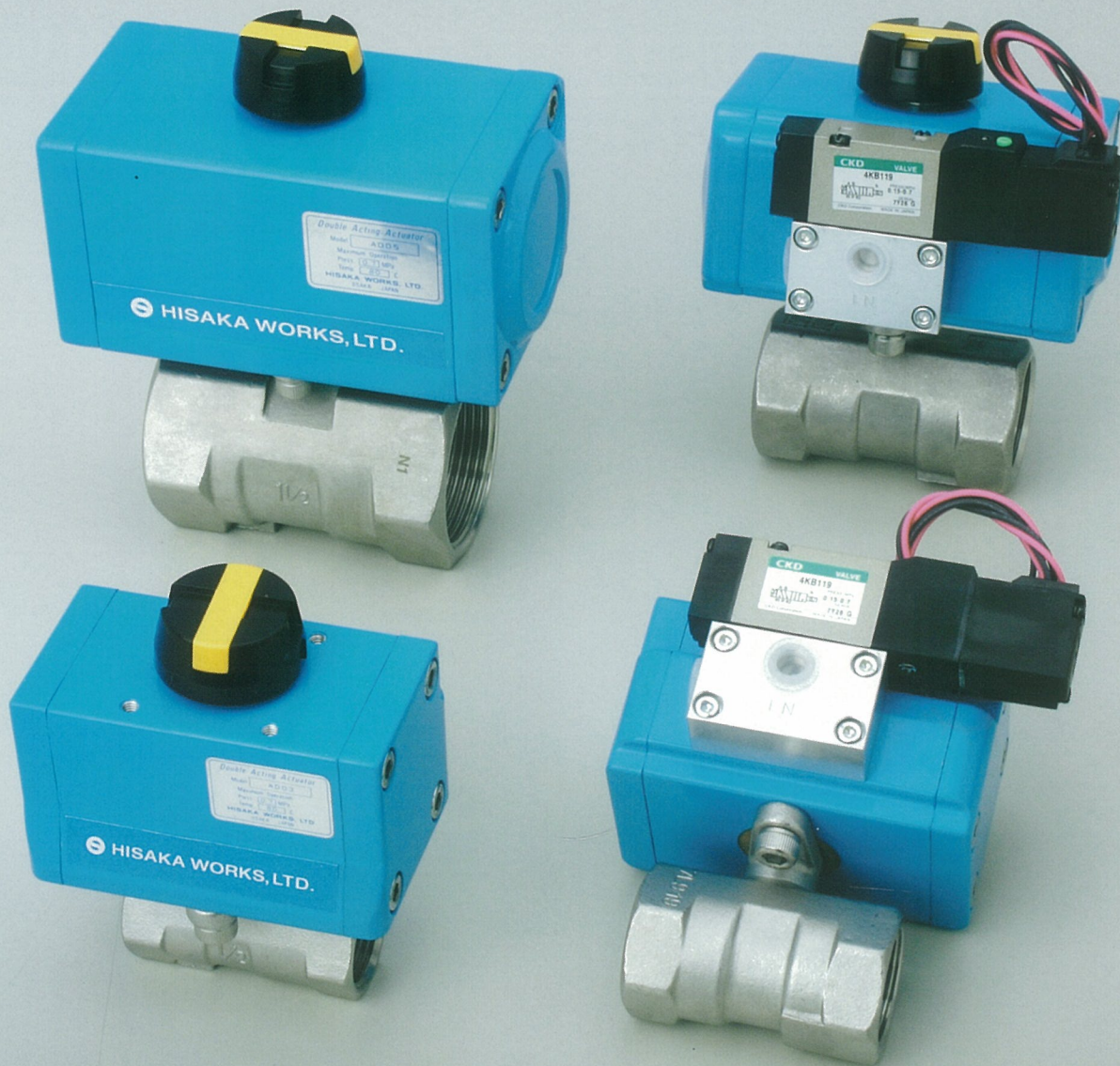




REDUCED BORE

● **COMPACT TYPE, SCREWED ENDS,
ON-OFF BALL VALVE**

HBST-MD

HISAKA WORKS, LTD.

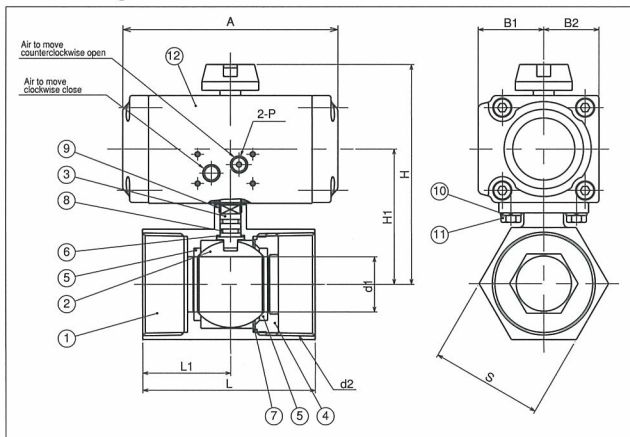
Cat No HBST-MD-11.03E

COMPACT TYPE, SCREW ENDS, ON-OFF BALL VALVE

CHARACTERISTIC

1. With compact body, realized miniaturization and it is able to simplify piping work.
2. Suitable for utility piping (Water /Air /Oil and others).
3. It is not used any iron and copper parts, therefore there is not possibility to be rusty.
4. Realized light weight design with direct mounting actuator.
5. It can be clarified open/close position by indicator.
6. Solenoid valve and Limit switch is able to attached directly, so realized miniaturization.

Drawing



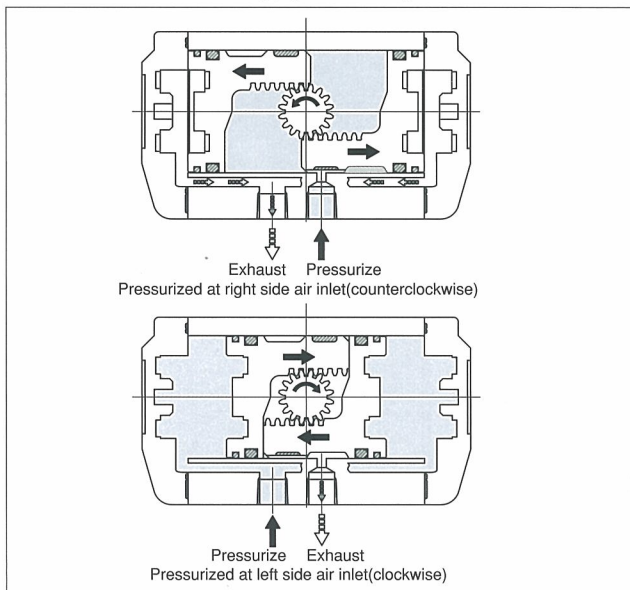
Material of main parts

No.	Name of parts	Q'ty	Material
①	Body	1	SCS14A
②	Ball	1	SCS14A
③	Stem	1	SS316
④	Insert	1	SCS14A
⑤	Ball Seat	2	PTFE
⑥	Thrust Washer	1	PTFE
⑦	Body gasket	1/4"~1"	PTFE
		1-1/4"~2"	
⑧	O-ring	2	VITON
⑨	Sleeve	1	PTFE
⑩	Spring Washer	2	SS304
⑪	Bolt	2	SS304
⑫	Actuator	1	—

Dimensions

Size		d1	d2	H	H1	L	L1	S	A	B1	B2	P	MODEL
mm	IN												
8	1/4	5	RC 1/4	93	51	42	19.7	17	84	30	26	RC 1/8	MD01
10	3/8	7.2	RC 3/8	94	52	46	21.9	19	84	30	26	RC 1/8	MD01
15	1/2	9.2	RC 1/2	94	51	56.5	27.3	25	84	30	26	RC 1/8	MD01
20	3/4	12.5	RC 3/4	96	53	61	30.4	32	84	30	26	RC 1/8	MD01
25	1	15	RC 1	103	59	74	36.4	38	107	32	26	RC 1/8	MD02
32	1-1/4	20	RC 1-1/4	109	68	80	39.8	49	125	38	32	RC 1/8	MD03
40	1-1/2	25	RC 1-1/2	114	73	85	42	53	125	38	32	RC 1/8	MD03
50	2	32	RC 2	120	79	104.5	51	64	125	38	32	RC 1/8	MD03

Sectional drawing (Air Flow)



Specification of actuator

- Output mechanism : Lack & Pinion
- Operation pressure : 0.39~0.69MPa(Standard press. 0.39MPa)
- Operation Temperature : -10°C~60°C
- Operation Environment : Inside building

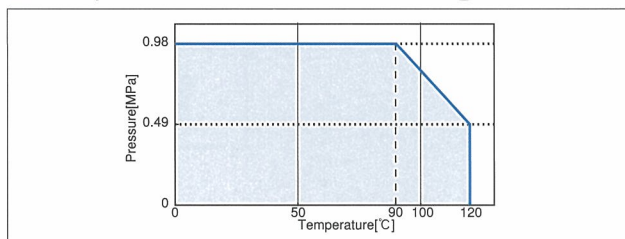
Accessories

- Solenoid Valve
 - Model : 4KB119
 - Voltage : AC100V, AC110V, AC200V, AC220V, DC24V
 - Connection : RC1/8
 - IP Protection Rating : IP62
- Limit Switch
 - Model : VCS-5002
 - IP Protection Rating : IP64

Specification of Valve Body

- Thread : JIS B0203

Temperature & Pressure Rating Chart



- ISO 14001 CERTIFIED FACTORY
- ISO 9001 CERTIFIED FACTORY
- HIGH PRESSURE GAS AUTHORIZED FACTORY
- API CERTIFIED FACTORY

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