COMPACT BUTTERFLY VALVE

Vpro

3-Piece Butterfly Valve
Z series

- Usable for middle position. Suit for proportional control.
- Easy maintenance. Suit for device installment.
- Correspond to wide range of fluid with acheving low cost and long life.
- A model without metals on watted surface can be selected.

Z series

NIPPON VALVE CONTROLS,INC.

Z-Series Feature

Actuator

Variety of Actuator.

There is a large assortment of actuators.
ON/OFF, propotional control and emergency shut off actuator can be selected.

Size

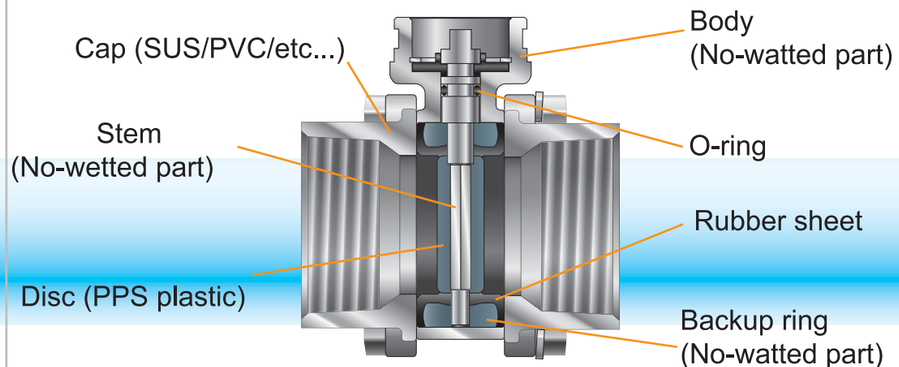
Line up from 15A (1/2") - 50A (2")

These are small sizs valves and butterfly type.

Structure and Material

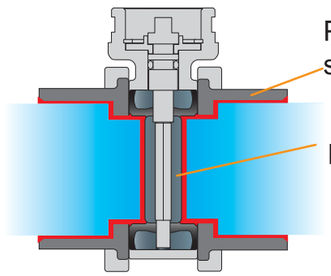
Correspond to various type of connection and fluid.

The valve body and The caps become a separated units, in a 3-piece stracture.
Beside the standard Rc thread connection, there are variety of other connection types.
Such as the socket end, the welding end...etc. Please ask your requested type.



Using PPS material for its disc, the part is mostly effected by fluid.
Well known as PPS adherability with PTFE and strong for decay.
The valve seat is molded with backup ring. So the seat does not coming off in under pressured condition.
There are EPDM and NBR for standard seat material.

When you can choose plastic as the cap material, thre are no metal parts on watted surface.
It can use for fluid of corroding metal.



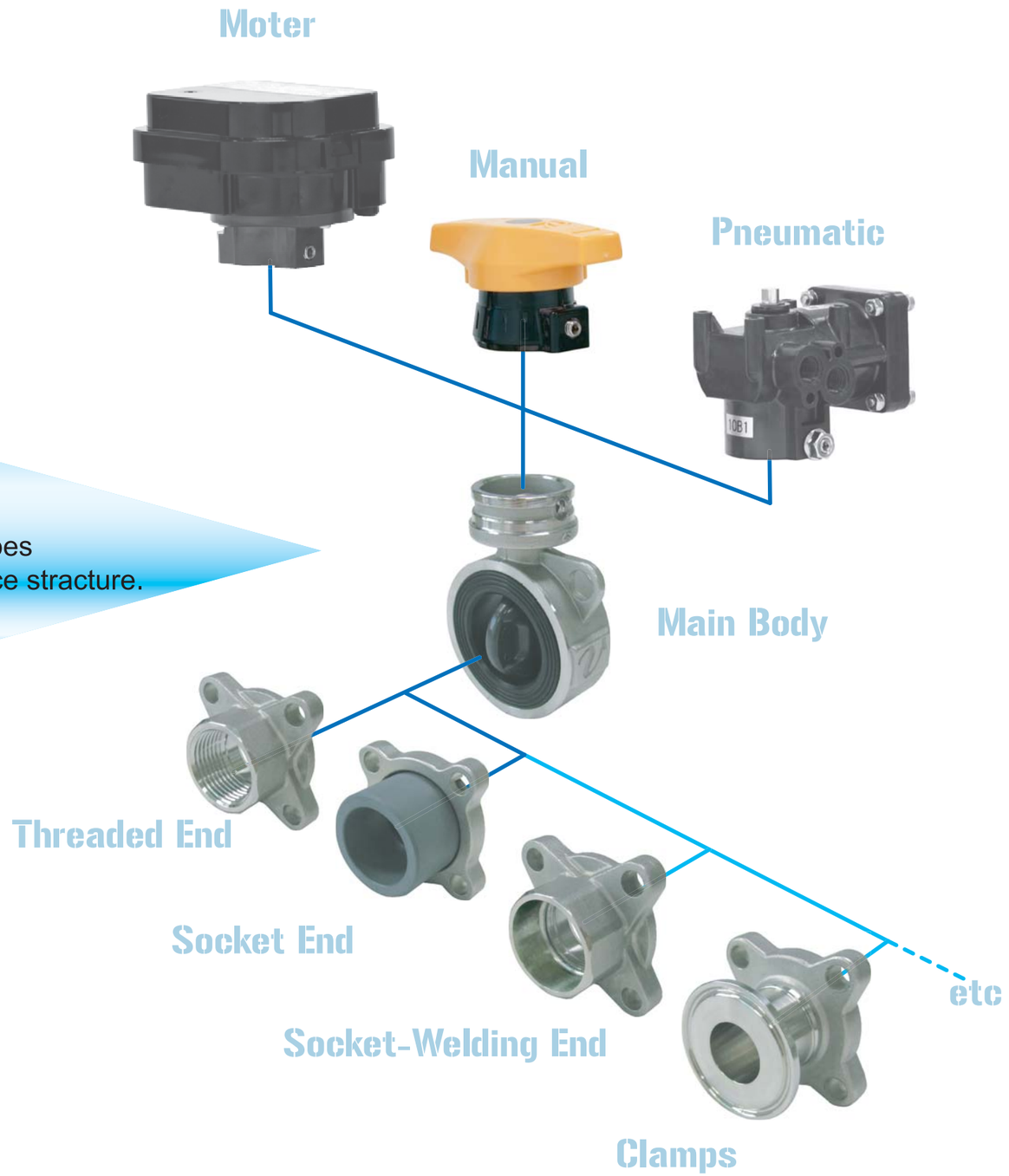
Maintenance

Easy maintenance

In 3-piece stracture, the main body can be dismantled from the cap which is connecting pipes.
It is easy maintenance like wafer type valve.

Z-Series Variation

Can be various types
by Unique 3-piece stracture.



Electric

⑤Connection	5 : Threaded End Rc	7 : Socket	※ : Others	
Material Body	T : SCS13A			
Material ⑦Cap	U : SCS14A	P : PVC	H : C-PVC	※ : Others
Material ⑧Seat	E : EPDM	E : NBR		
Material Stem seal	Depend on seat material			

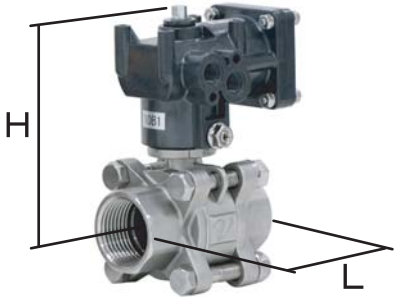
⑨Valve DN (A)	①Actuator						H								L	C v
	CA1	PM1 CD2	CM1 CM2 CMX	AM1 AM2	AH1 DM2	PAX	CA1	PM1	CD2	CM1 CM2 CMX	AM1 AM2	DM2	AH1	PAX		
015	015	030	030	030	030	050	101	106	96	96	129	129	156	156	59	7
020	015	030	030	030	030	050	104	109	99	99	132	132	159	159	66	19
025	–	030	030	030	030	050	–	113	104	104	137	137	164	164	78	28
032	–	030	030	030	030	050	–	113	104	104	137	137	164	164	87	28
040	–	–	070	070	070	120	–	–	–	137	149	176	176	191	95	86
050	–	–	070	070	070	120	–	–	–	137	149	176	176	191	109	86

Product Code: ① Z — ③ 0 ⑤ T ⑦⑧ — ⑨

③Voltage
1 : AC100/110V
2 : AC200/220V
0 : DC24V

※Please contuct us.

Pneumatic



⑤Connection	5 : Threaded End Rc	7 : Socket	※ : Others	
Material Body	T : SCS13A			
Material ⑦Cap	U : SCS14A	P : PVC	H : C-PVC	※ : Others
Material ⑧Seat	E : EPDM	E : NBR		
Material Stem seal	Depend on seat material			

⑨Valve DN (A)	①Actuator			H			L	C v	Option
	PND	PSO PSC	TAD TAO TAC	PND	PSO PSC	TAD TAO TAC			
015	03S	03S	040	95	95	140	59	7	
020	03S	03S	040	98	98	143	66	19	
025	03S	03D	040	102	111	147	78	28	
032	03S	03D	040	102	111	147	87	28	
040	03D	04D	040	123	140	160	95	86	
050	03D	04D	040	123	140	160	109	86	

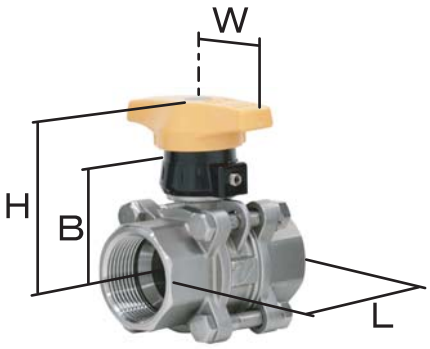

Solenoid Valve


Limit Switch Box

Product Code: ① Z — 9 0 ⑤ T ⑦⑧ — ⑨

※Please contuct us.

Manual



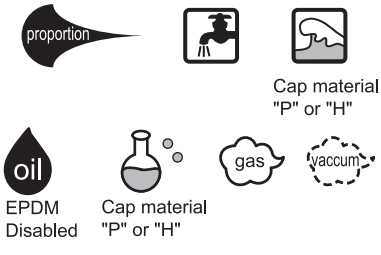
⑤Connection	5: Threaded End Rc	7 : Socket	※ : Others	
Material Body	T: SCS13A			
Material ⑦Cap	U: SCS14A	P : PVC	H : C-PVC	※ : Others
Material ⑧Seat	E: EPDM	E : NBR		
Material Stem seal				

⑨Valve DN (A)	H	L	B	W	C v
015	71	59	45	28	7
020	74	66	48	28	19
025	78	78	52	40	28
032	78	87	52	40	28
040	91	95	65	40	86
050	91	109	65	40	86

Product Code: M A C Z — Y — ⑤ T ⑦⑧ — ⑨

※Please contuct us.

Applicable fluid

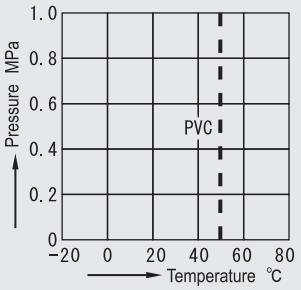


▪SEAT MATERIAL GUIDE

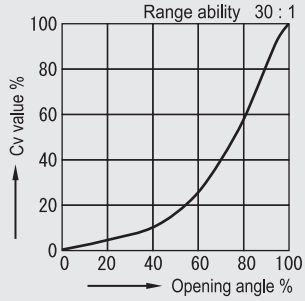
Seat material	Fluid temp.	Use
EPDM	-20～80℃	Cold/Hot water
NBR	-10～60℃	Oil, Air

NOTE
1) According to fluid type, the temperature range is change. Please consult us.
2) EPDM seat cannot be used for oil.
3) Hot water is up to 80℃, and cannot be used for stem.

PRESSURE / TEMPERATURE RATING



INHERENT FLOW CHARACTERISTIC



NIPPON VALVE CONTROLS,INC.
1-21-19, MEIEKIMINAMI, NAKAMURA-KU, NAGOYA 450-0003 JAPAN
TEL : 81-52-582-6435 FAX : 81-52-582-6439
URL : http://www.valco.co.jp