

PNEUMATIC-ACTUATOR HIGH - PERFORMANCE BUTTERFLY VALVE

소개

SB-310 시리즈 는 기존의 버터플라이 밸브에 성능 개선을 하였고 디스크를 편 심으로 하여 씨트를 특별한 재료로 설계 하여 기밀과 높은 온도에도 완만히 유체를 조절 할 수 있도록 하였고, 각종 액체, 오일, 스팀, 기체 등에 사용 할 수 있도록 제작 되었습니다.

Standard specification

Actuator

Type : Rotary Cylinder 1/4 Turn
SD : Double acting
SA : Spring return
Air supply : 4.0 ~ 7.0 kgf/cm²G
Opening angle : 60 deg or 90deg
Hysteresis : Less than 1.5%
Ambient Temperature : -20 ~ +60'C
Painting : Mnsell N-6 (Epoxy Resin Group)

Body

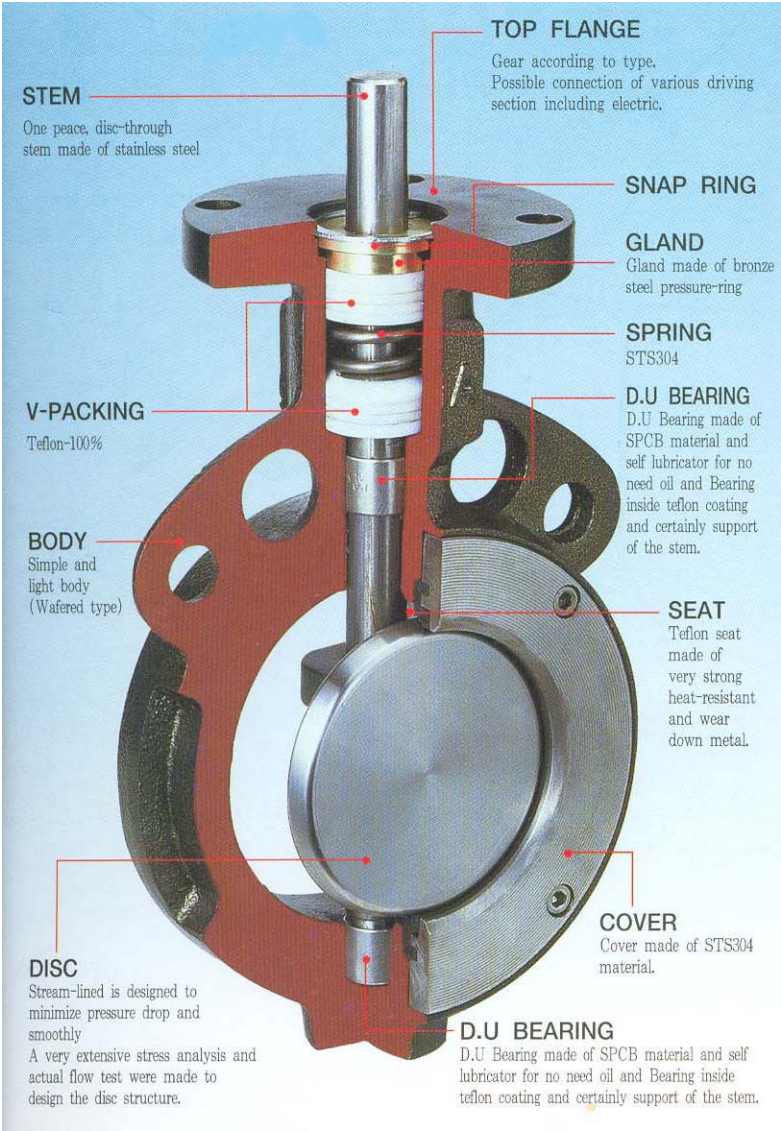
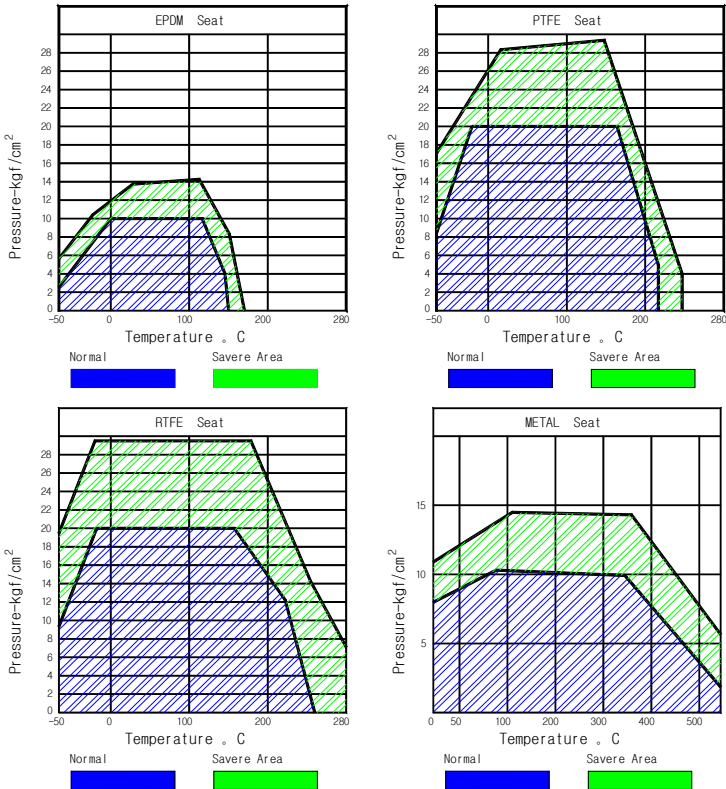
Type : Concentric Type
Size : 2 ~ 60" (50 ~ 150mm)
Rating : JIS 10K , 20K RF
ANSI 150# , 300#
Connection : wafer
Materials : FCD , SCPH2 , SCS13 , SCS14 , SCSC16
Bonnet : Standard bonnet
2" ~ 36" , -45 ~ 400'C
40" ~ 60" , -45 ~ 350'C
Gland packing : Teflon Asbestos , Pillar foil
Painting color : Munsell N-6 (Epoxy resin group)
Trim : Tight close type
Characteristics : Modified EQ%

Specification	
• Fluid applied: Steam, Water, Air, Oil, Gas	
• Temperature applied	
• EPDM Seat	(-10) – 120 °C
• PTFE Seat	(-80) – 200 °C
• RTFE Seat	(-80) – 240 °C
• Metal Seat	(-120) – 600 °C
•Standard Pressure	10kgf/cm ² , 20kgf/cm ²

HIGH-PERFORMANCE BUTTERFLY VALVES.

Pressure/ Temperature Ratings.

THE BEST QUALITY SYSTEM



High Performance Butterfly Valves , CV Values

THE BEST QUALITY SYSTEM

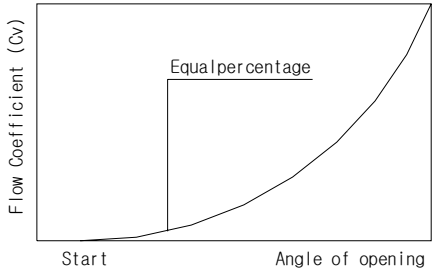
Cv Values vs Travel Position

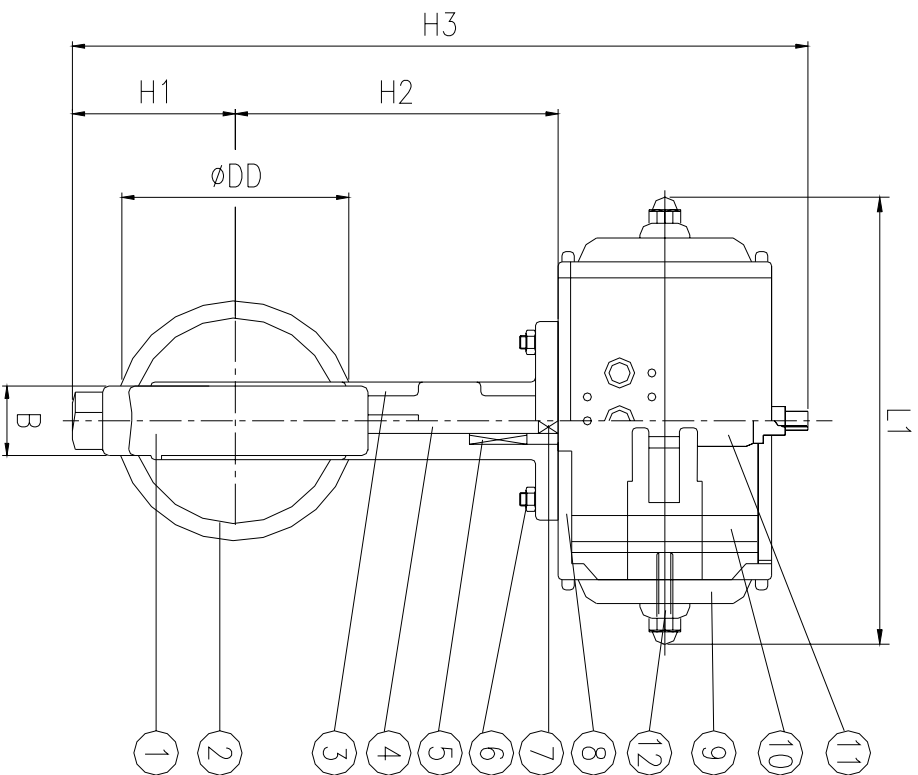
SIZE		Angle of Opening						
MM	INCH							
11/4	32	96	62	46	33	19	10	5
11/2	40	96	62	46	33	19	10	5
2	50	125	85	56	40	24	14	7
21/4	65	180	120	80	60	32	20	9
3	80	352	235	161	111	60	32	17
4	100	683	429	300	208	120	66	30
5	125	1370	935	637	457	260	149	65
6	150	1883	1264	870	623	359	200	93
8	200	3260	2180	1500	1064	612	343	153
10	250	4956	3300	2270	1610	920	530	235
12	300	7430	5010	3420	2430	1425	805	355
14	350	9330	6300	4300	3480	2490	1430	445
16	400	13320	8870	6070	4350	2500	1470	650
18	450	17100	1140	7810	5580	3190	1810	820
20	500	21200	14200	97500	7010	4000	2270	1020
24	600	22500	18200	13500	9600	6700	2900	1600

Cv VS DISC ANGLE.
Full Open

RATED Cv

The Volume of Water in United States Gallons Per Minute That Will Pass Opening With a Pressure Drop Of 1Pound Per Square inch.
(Water at Temp = 60 Deg.f)





PART

12	SETTING SCREW	SS41	2
11	PINION	S45C	1
10	PISTON	Al. Alloy	2
9	CYLINDER COVER	Al. Alloy	2
8	CYLINDER	Al. Alloy	1
7	SOCKET	S45C	1
6	BOLT	S45C	4
5	PACKING	PTFE	5
4	BODY SHAFT	SUS304	1
3	COVER	SCS13	1
2	DISC	SCS13,14	1
1	BODY	FCD45	1
NO.	PART NAME	MATERIAL	Q'TY

DIMENSIONS

PART	D	B	L	H1	H2	H3	WEIGHT (kg)
SIZE							
50A 2"	45	45	160	56	135	230	6.5
65A 2.5"	60	48	160	65	130	230	7.5
80A 3"	76	50	188	80	140	280	9.5
100A 4"	96	56	188	95	160	300	11
125A 5"	120	63	240	110	180	330	18
150A 6"	145	69	240	120	235	380	21
200A 8"	185	84	288	155	265	470	35

SCALE	NS.	DRAWIN.	DES.	CHECK.	APPR.	MODEL NO.	SB-210
UNIT	mm	P.S.KIM				DRAWIN NO.	SV-990-61
DATE	2002.09					DRAWIN NAME.	PNEUMATIC ACTUATOR BUTTERFLY VALVE

SAM SUNG CONTROL VALVE