Accessories

Large hole diameter butterfly valve · High temperature specification

W,W-TS,W-TSL

It is a flange sandwich type air damper that fits JIS 5K steel flange.

Feature

1. There is a hole diameter of 1 1 / 2^{B} ~ 16^{B}.
2. In addition to W type (standard), there are the following types.
   - W - TS type is high temperature heat resistant specification up to 400 ℃.
   - W - TSL type is a specification that extended the operation part by 100 mm compared with the standard part so that thermal insulation material (100 mm) can be used.

Main Usage

- Adjust the flow rate of large capacity air.
- Flow rate adjustment of hot air such as exhaust.

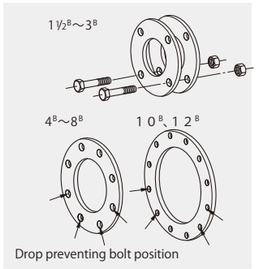
Installation procedure

①Please make sure that dirt, sand, welding spatter, etc. are not in the pipe used for piping.

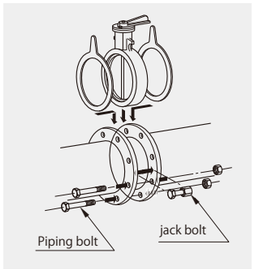
②Check the flange (JIS 5k) for distortion, weld burr etc. do not appear on the end face, weld portion.

③Confirm that the concentricity of the pipe and both sides of the flange are parallel.

④Pass the bolts through the bolt holes at the bottom of the flange to prevent the damper from falling off.



⑤Set the jack bolt and adjust the both side dimensions of both flanges widely about 10 to 15 mm from the damper full width



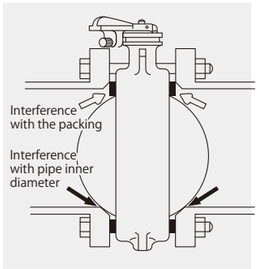
⑥Gently insert the damper in the fully closed (S) state.

⑦Insert the gasket packing into both sides of the damper.

⑧Pass the remaining bolts through.

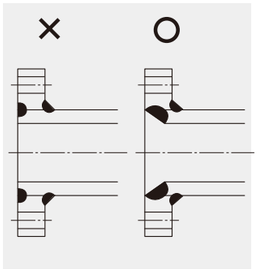
⑨Remove the jack bolt, gently squeeze it while looking at the center of the damper body and packing, so that it does not move.

⑩At this point, make sure to move the damper control lever slightly, check that it does not interfere with the inside of the flange, or gasket packing, and operate properly.

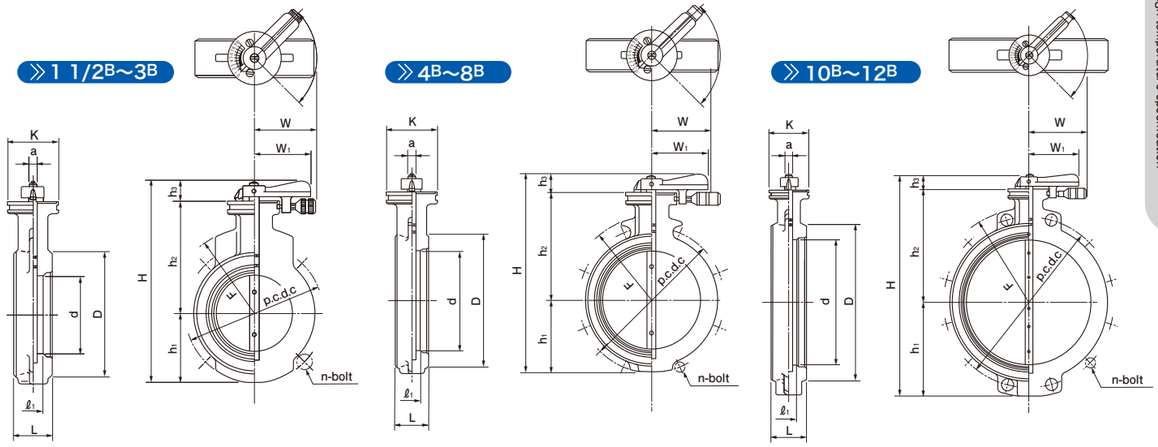


⑪ Diagonally, Tighten the bolts equilibrium

※About welding method, In order to avoid interference with the valve body, please weld as shown in the right figure, right side.



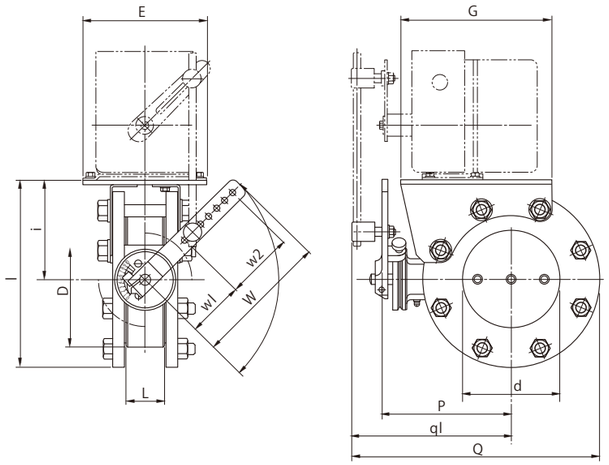
Specifications · Overall size



Nominal diameter B	Main dimension														Approximate weight (kg)	Piping bolt size (for JIS 5K flange)
	D	d	L	ℓ1	H	h1	h2	h3	W	W1	K	a	F	C		
1 1/2	78	42	36	18	159	60	78	21	65	60	56	9	60	95	1.5	4-M12-80
2	89	53	38	20	165	51	93						65	105	1.8	4-M12-90
2 1/2	114	68			190.5	64	105.5					10	77.5	130	2.5	4-M12-90
3	125	81	40		210.5	71.5	118						90	145	2.8	4-M16-90
4	145	102			230.5	81.5	128					12	100	165	3.2	8-M16-100
5	180	128	52	26	284	98.5	156	29.5	107	87	82	14	117.5	200	7.0	8-M16-110
6	210	150			314	113.5	171					16	132.5	230	8.5	8-M16-110
8	256	200	60		367	139	198.5					18	160	280	11.5	8-M20-130
10	321	250	70	30	504	191.5	231	81	—	180	142	20	192.5	345	23.0	12-M20-140
12	366	300	80		549	214	253.5						215	390	26.5	12-M20-150
14	410	350		45	617	239	288	90		200	200	25	240	435	34.0	12-M22-160
16	470	400			677	269	318						270	495	40.0	16-M22-160

Option

There is also a type (AW) linking with a control motor.



DIMENSION	Nominal diameter B	4	5	6	8
	D	145	180	210	256
	d	102	128	150	200
	l	216	251	281	336
	i	116	133.5	148.5	176
	L	40	52	52	60
	P	129	170	185	212.5
	Q	254.5	328.5	358.5	413.5
	gl	164.5	211	226	253.5
	w	125	180	180	180
	wl	50	75	75	75
	w2	60	90	90	90
	ϕ	6.5	8.5	8.5	8.5
	E	165	165	165	165
	G	161.8	199.7	167	177