

ROTARY VALVE



The highest quality which was realized by advanced technology of JOIL!
 JOIL Rotary Valve were highly praised by the users!

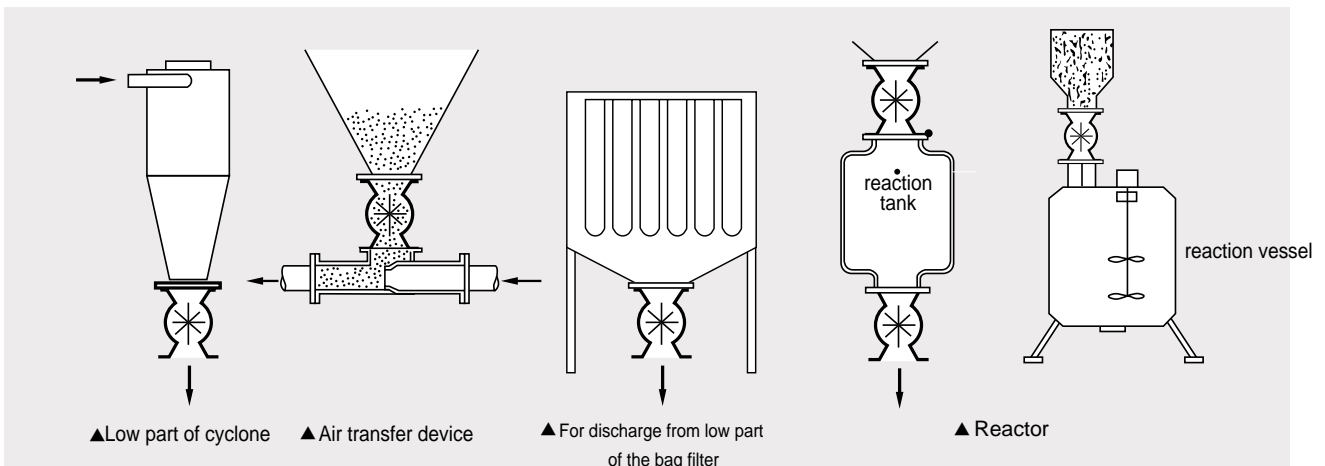


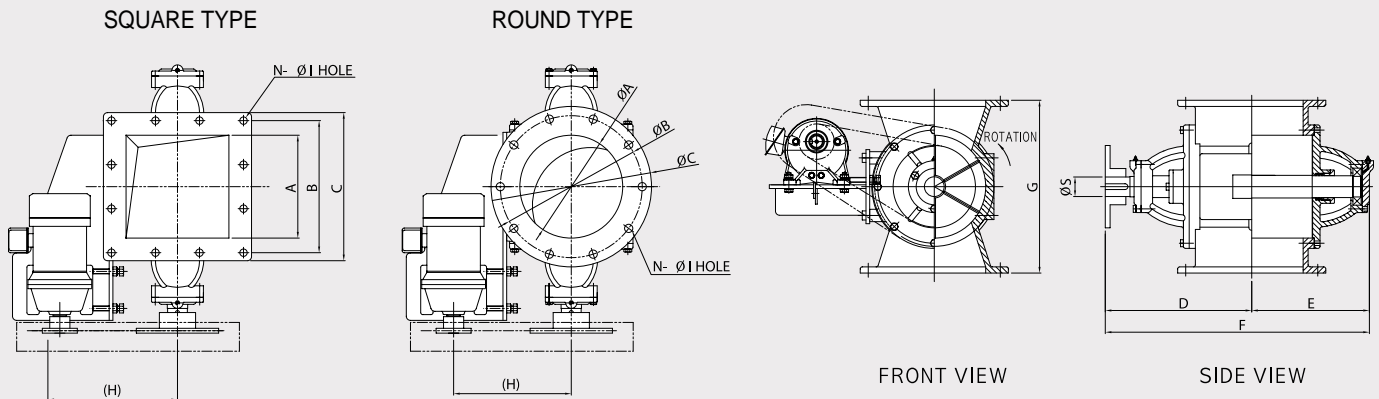
Features of JOIL Rotary Valve

- Superb airtightness: It realizes the minimal tolerances, so it can block even fine dust.
- Various size: It meets the order spec of customers.
- Excellent durability: It can maintain noise and vibration minimally by permanent cast iron body and precision machining, so it reduces maintenance costs dramatically.
- Applications: bag filter, cyclone, separator, bin tank, hopper, etc.



Examples of rotary valve applications





■ DIMENSIONS(mm)

MODEL	A		B		C		D	E	F	G		H	øS	ø		적용 G-M(kw)
TYPE	CM	SQ	RD	SQ	RD	CM	CM	CM	CM	SQ	RD	CM	CM	SQ	RD	CM
JIRV - 100	100	160	175	200	210	254	189	443	250		210	28	8 - 14		0.4 (0.4)	
JIRV - 150	150	210		250		303	233	536	300		230	32	8 - 14		0.4 ~ 0.75 (0.4)	
JIRV - 200	200	261	280	300	330	328	258	586	355	370	263	32	12 - 14	8 - 20	0.4 ~ 0.75 (0.4)	
JIRV - 250	250	321	340	360	390	356	286	642	420	430	315	48	12 - 20	10 - 20	0.4 ~ 1.5 (0.75)	
JIRV - 300	300	390		430		391	321	712	450		366	48	12 - 20		0.75 ~ 1.5 (1.5)	
JIRV - 350	350	435		480	490	429	363	792	510	500	400	48	12 - 20		1.5 ~ 2.2 (1.5)	
JIRV - 400	400	480		530		531	434	965	550		460	60	12 - 20		1.5 ~ 2.2 (2.2)	
JIRV - 450	450	528		580		556	464	1020	600		500	60	16 - 20		1.5 ~ 2.2 (2.2)	
JIRV - 500	500	580		630		623	510	1133	700		570	70	16 - 20		2.2 ~ 3.7 (3.7)	
JIRV-260×460	260×460	320×520		360×560		480	414	894	440		369	48	14 - 14		0.75~2.2(0.75)	
JIRV-200×350	200×350	261×412		300×450		403	333	736	355		270	32	14 - 14		0.75 (0.75)	

※ CM is common. SQ is square flange, RD is round flange.

■ Discharge quantity per the number of rotation

(UNIT : m³/hr)

MODEL	1RPM	10	12	14	16	18	20	21	22	23	24	25	26	27	28	29	30	32	34	36	38
100	0.066	0.66	0.79	0.92	1.06	1.19	1.32	1.39	1.45	1.52	1.58	1.65	1.72	1.78	1.85	1.92	1.98	2.12	2.25	2.38	2.51
150	0.102	1.02	1.23	1.43	1.63	1.84	2.04	2.14	2.25	2.35	2.45	2.55	2.65	2.76	2.86	2.96	3.06	3.27	3.47	3.67	3.88
200	0.288	2.28	2.74	3.19	3.65	4.11	4.56	4.79	5.02	5.25	5.47	5.7	5.93	6.16	6.39	6.61	6.84	7.3	7.75	8.21	8.67
250	0.438	4.38	5.26	6.13	7.0	7.89	8.76	9.2	9.64	10.1	10.5	11	11.4	1.9	12.3	12.7	13.1	14	14.9	15.8	16.6
300	0.756	7.56	9.07	10.5	12.1	13.6	15.1	15.9	16.6	17.4	18.1	18.9	19.7	20.4	21.2	21.9	22.7	24.2	25.7	27.2	28.7
350	1.2	12	14.4	16.8	19.2	21.6	24	25.2	26.4	27.6	28.8	30	31.2	32.4	33.6	34.8	36	38.4	40.8	43.2	45.6
400	1.8	18	21.6	25.2	28.8	32.4	36	37.8	39.6	41.4	43.2	45	46.8	48.6	50.4	52.2	54	57.6	61.2	64.8	68.4
450	2.58	25.8	31	36.1	41.3	46.5	51.6	54.2	56.8	59.3	61.9	64.5	67	69.7	72.2	74.8	77.4	82.6	87.7		
500	3.54	35.4	42.5	49.6	56.6	63.7	70.8	74.3	77.9	81.4	85	88.5	92	95.6	99.1	103	106	113	120		

The number of effective rotations ←

⇒ Preferably it shall not be used.

● For the lower specific gravity, as rotational speed increases, the efficiency is degraded.

Check points for the order of Rotary Valve

- 1) Property of matter of powder and solid (specific gravity, particle size, abrasiveness, temperature, viscosity)
- 2) Treatment amount (ton/hr, m³/hr)
- 3) Pressure difference between the top and bottom of Rotary Valve
- 4) Material (FC25, SS400, STS304)
- 5) Electricity and Decelerator (indoor, outdoor, standard type, explosion-proof type)
- 6) Accessory (motor, chain, sprocket, chain cover, sensor & bracket)