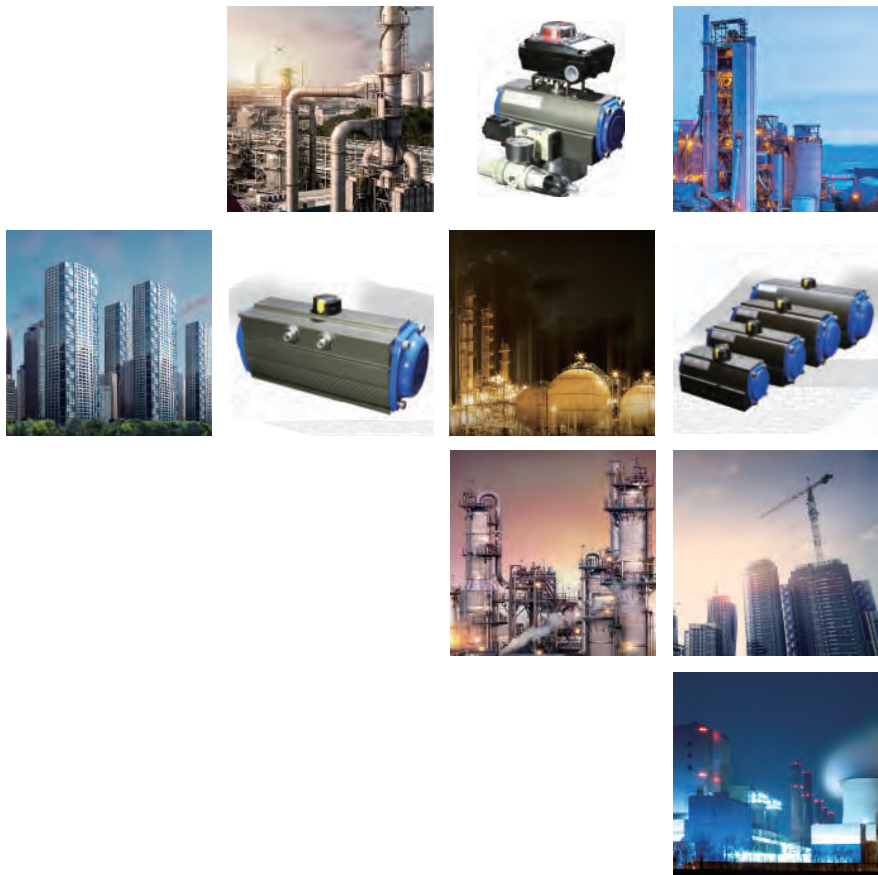


JEONGDO

Pneumatic Actuator

JS / JR Series

Jeongdo Machinery is developing superior quality, top performance, reliable products for the future of the valve industry in Korea.



Long history, expertise, select engineering.



JEONGDO
Machinery Co., Ltd.

Introduction

Every product at Jeongdo Machinery is produced under the philosophy that commitment to quality is the top priority. As a KS (Korean Industrial Standards), ISO 9001 certified and KTC Q-mark business, we constantly strive to improve our quality management systems to reach the target of zero defects. Additionally, through research and development efforts, we continuously endeavor to produce higher-quality lower-priced products. Our fast delivery and prompt A/S response system ensures reduction in delays of construction plans for our customers. Jeongdo Machinery Co., Ltd. is committed to holistic excellence which includes premiere technological development, quality improvement, production management, sales, and A/S under the goal of being the leading global provider of industrial butterfly valves. Thank You

Jeongdo Machinery Co., Ltd. All Employees

Information

- **CEO** : Junggho Nam • **Address** : 121 Hwanggeum 2-ro, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
- **Date of establishment** : July 1990 • **Homepage**: www.jdvalve.co.kr
- **TEL** : 031-986-4309, • **FAX** : 031-986-4308 • **E-mail** : jeongdo@jdvalve.co.kr

History 1990

- 1990.07** Jeongdo Co., Ltd. is established in Seoul, South Korea
- 1992.07** Production of high performance butterfly valves begins
- 1995.11** Production of Industrial butterfly valve begins

2010

- 2010.07** R&D laboratory opens its doors
- 2011.01** ALDC12 body butterfly valve production begins
- 2012.10** Obtained KC(Korea Certification) from Korea Water And Wastewater Works Association (KWWA)
- 2013.01** Relocation to new Jeongdo Machinery Co., Ltd. factory (Gimpo-si, Gyeonggi-do, Korea)
- 2013.08** KS B 2813 (450mm~600mm) Certification obtained
- 2013.11** Received Presidential Commendation for the 39th National Quality Award
- 2014.04** Certified CP(Conformity Product)by Korea Water And Wastewater Works Association (KWWA)
- 2016.01** Received Material Reliability Certificate from Korea Reliability Society (KORAS)

1990

2000

2010

**Company
History**

- 2000.01** ISO 9001 Certification obtained
- 2000.05** Jeongdo Machinery Co., Ltd. is established
- 2002.02** KS B 2813 (50mm~300mm) Certification obtained
- 2004.05** ISO 9001:2000 Certification obtained
- 2004.06** Certified Venture Business by Korea Ministry of SMEs and Startups
- 2004.10** Certified INNO-BIZ by Korea Ministry of SMEs and Startups
- 2005.09** Grooved Butterfly Valve production commences
- 2006.04** Designated Quality Assurance Company (Q-Mark) by Korea Testing Certification (KTC)
- 2007.01** Certified Venture Business by Korea Technology Finance Corporation (KIBO)
- 2007.11** Certified CLEAN Business Place by Korea Occupational Safety & Health Agency (KOSHA)
- 2008.04** Certified Parts and Material Reliability by Korea Agency for Technology and Standards (KATS)
- 2009.06** Designated High Quality Recommended Product by Incheon, Korea

2000

Pneumatic Actuator JS Series

Features

■ Aluminum Body

The body made of aluminum alloy is anodized inside and outside.
It is coated to improve corrosion resistance and reduce friction with the piston.
It has advantages of long life.

■ Indicator

Standard Open/Close Indicators are applied to all models.

■ Stoppers

Stoppers are adjustable to $\pm 5^\circ$ in valve open and close position.

■ Spring

High tension spring sets used in fail safe and emergency situations are made of high strength alloy steel.

■ Shaft

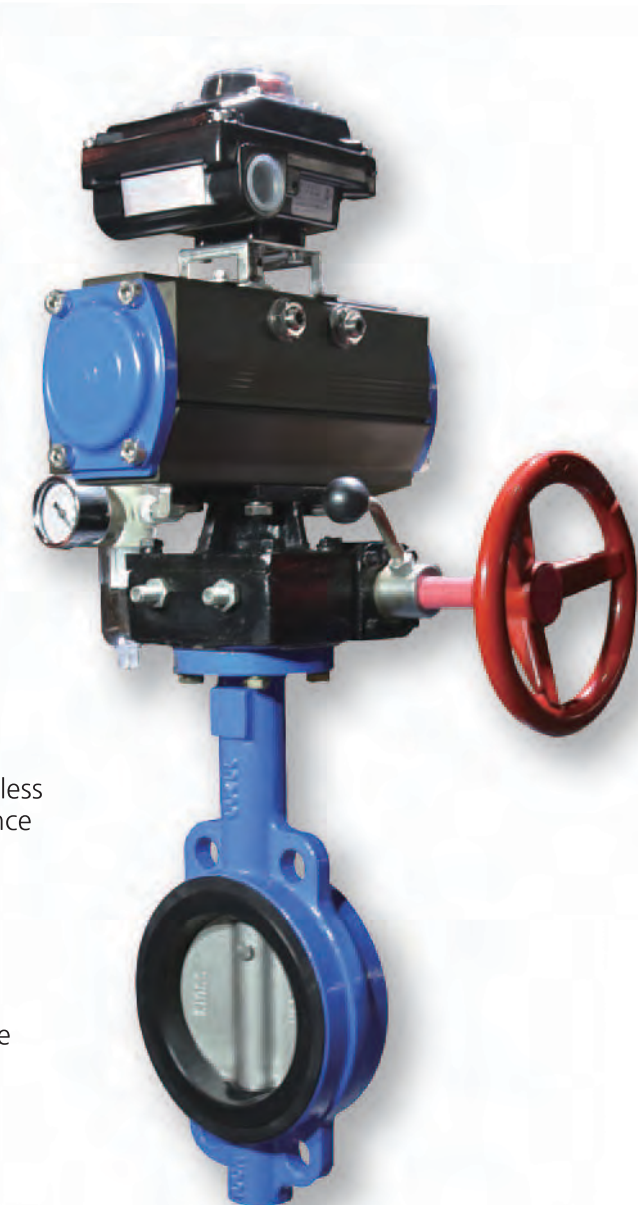
The Pinion Shaft made of alloy steel is coated with electroless nickel plating to reduce friction and improve wear resistance and corrosion resistance.

■ Piston

Pistons made of aluminum alloy are equipped with high quality piston seals and guides to provide high torque against air pressure.

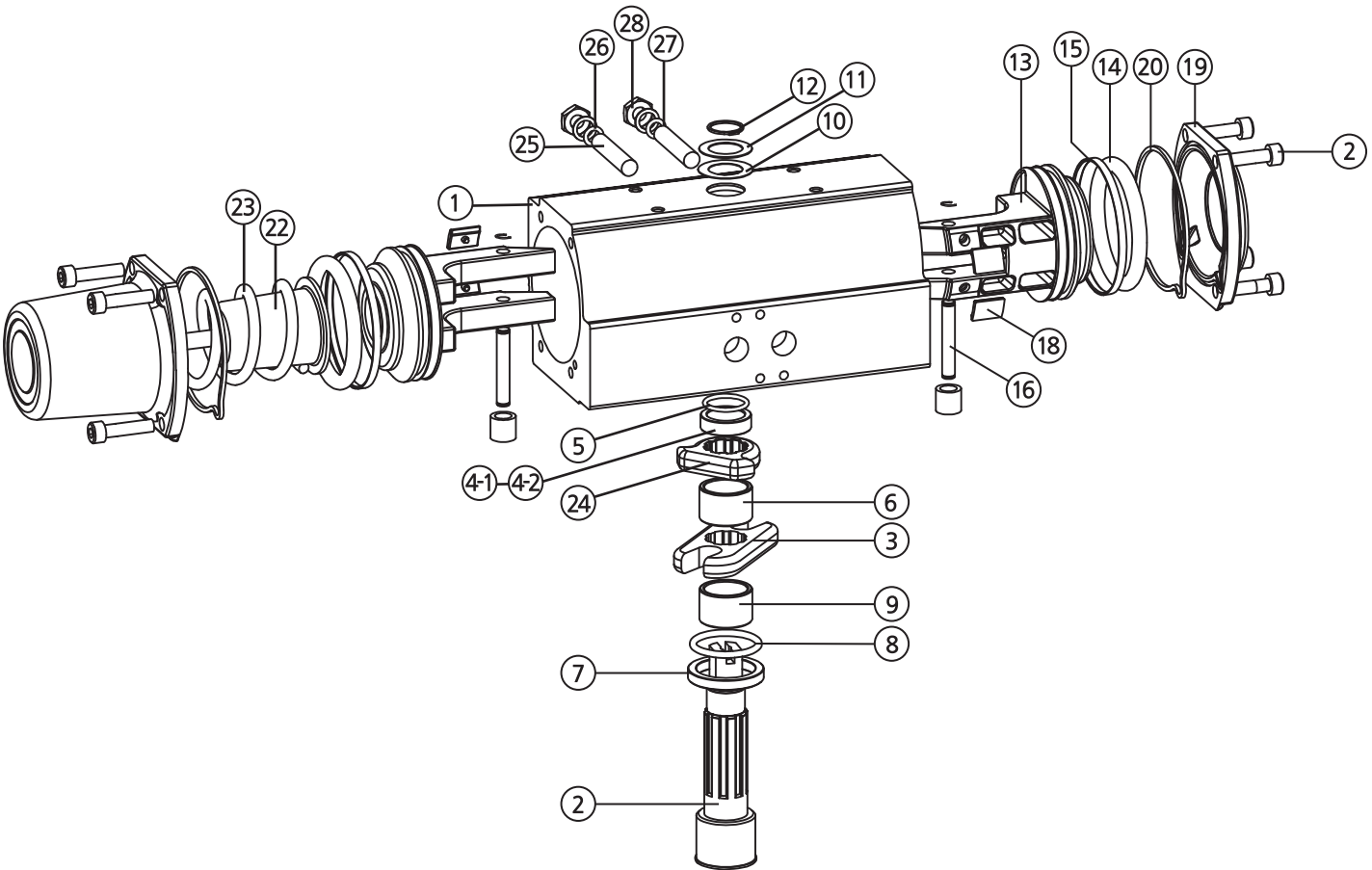
■ Piston Seals

NBR, which is the standard material for pinion seals, acts as a sealer without problems at room temperature.
Viton material can be used at high temperature and Silicon material can be used at low temperature.



Pneumatic Actuator JS Series

Component & Material

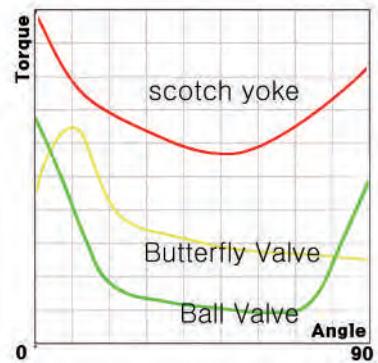


No.	Part Name	Q'ty'	Materials	No.	Part Name	Q'ty'	Materials
①	Body	1	Aluminum Alloy	⑮	Piston Guide-ring	2	Engineering Plastic
②	Shaft	1	Steel Alloy	⑯	Piston Pin	2	Steel Alloy
			(Nickel Plated)	⑰	Piston Roller	2	Steel Alloy
③	Crank	1	Steel Alloy	⑱	Piston Pad	4	Engineering Plastic
④-1	Bushing (Top)	1	Steel Alloy	⑲	Cover	2	Aluminum Alloy
④-2	Bushing (Top)	1	Copper Alloy	⑳	Cover O-ring (Inside)	2	NBR
⑤	Body O-ring (Top)	1	NBR	㉑	Cover Bolt	8	Stainless Steel
⑥	Shaft Roller (Top)	1	Engineering Plastic	㉒	Spring Cap	2	Engineering Plastic
⑦	Bushing (Bottom)	1	Copper Alloy	㉓	Spring	2	Steel Alloy
⑧	Body O-ring (Bottom)	1	NBR	㉔	Stopper	1	Steel Alloy
⑨	Shaft Roller (Bottom)	1	Engineering Plastic	㉕	Adjust Bolt	2	Stainless Steel
⑩	Body Washer(Bottom)	1	Engineering Plastic	㉖	Adjust O-ring	2	NBR
⑪	Body Washer(Top)	2	Steel Alloy	㉗	Adjust Washer	2	Stainless Steel
⑫	Body Snap-ring	1	Steel Alloy	㉘	Adjust Nut	2	Stainless Steel
⑬	Piston	2	Aluminum Alloy				
⑭	Piston O-ring	2	NBR				

Pneumatic Actuator JS Series

Technical Data

Torque Diagram



Air Consumption

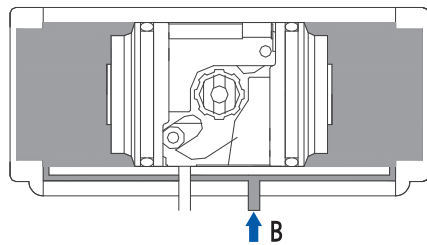
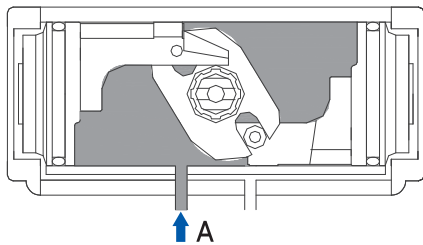
The air consumption of actuator is calculated by below.

Double Acting
$V = (A+B) * \left(\frac{P+1.013}{1.013} \right) * N$
Single Acting
$V = A * \left(\frac{P+1.013}{1.013} \right) * N$

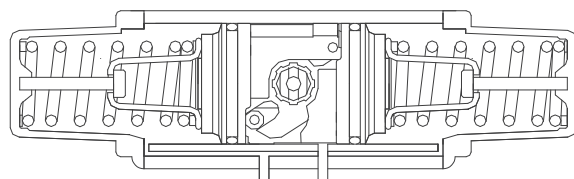
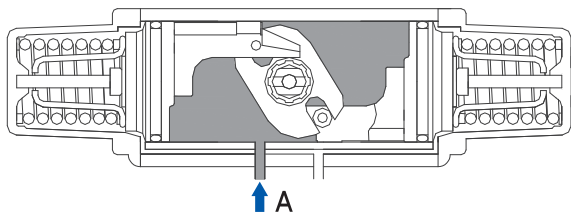
V = Air Consumption (Liter)
A = Volume "A" (Liter)
B = Volume "B" (Liter)
P = Supply Air pressure (Bar)
N = Number of Operating

Operating Mechanism

Double Acting



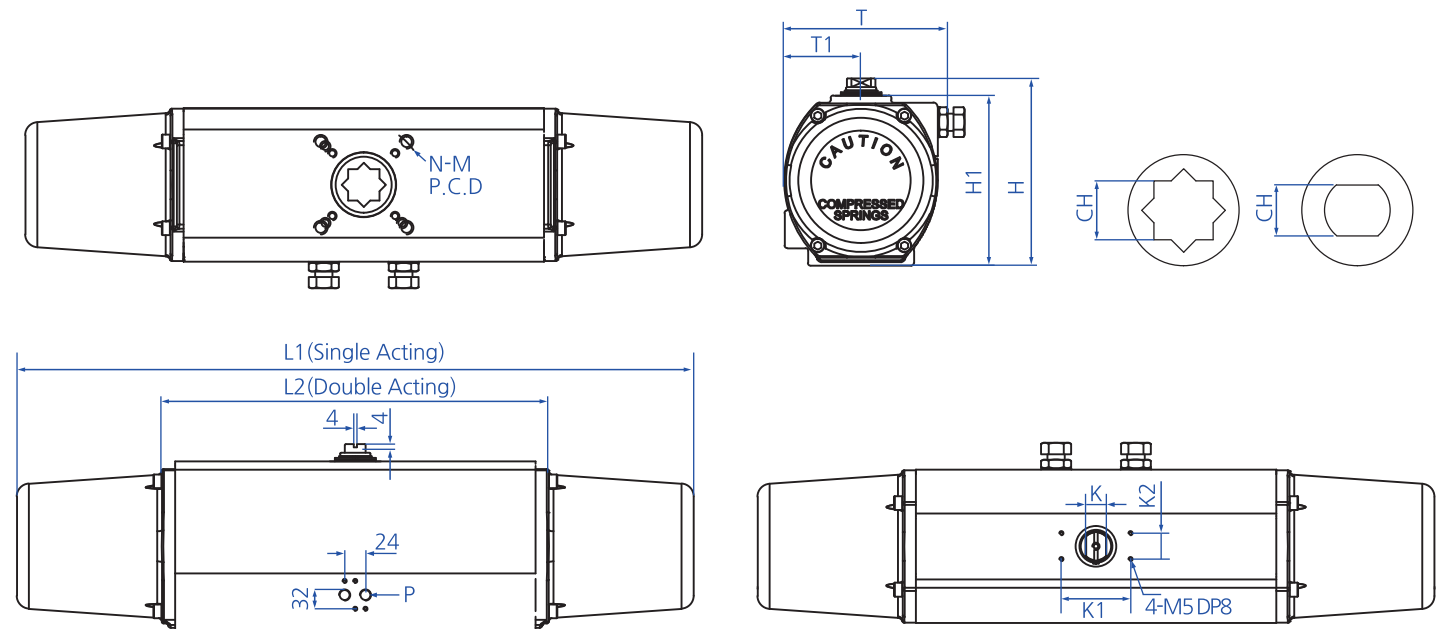
Single Acting



Double Acting			Single Acting	
MODEL	A	B	MODEL	A
JS050-D	0.2	0.2	JS050-S	0.2
JS065-D	0.3	0.3	JS065-S	0.3
JS080-D	0.6	0.5	JS080-S	0.6
JS100-D	1.2	1.1	JS100-S	1.2
JS125-D	2.5	2.2	JS125-S	2.5
JS140-D	3.9	3.5	JS140-S	3.9
JS160-D	4.8	4.3	JS160-S	4.8
JS185-D	5.8	7.5	JS185-S	5.8
JS210-D	6.2	9.9	JS210-S	6.2
JS250-D	8.0	12.8	JS250-S	8.0

Pneumatic Actuator JS Series

Dimension Table



P	
A50~A210	PT1/4
A250	PT1/4
	PT3/8
	PT1/2

MODEL	K1	ISO	P.C.D(Ø)	N-M	K	L1	L2	T	T1	H	H1	CH(DP)
JS050	80	F03/F05/F07	36/50/70	4-M5/M6/M8	9	162	257	75	40	90	70	11*11*13
												#14*14*14
												#9.7*Ø15*14
JS065	80	F05/F07	50/70	4-M6/M8	13	202	314	89	46	107	87	14*14*17
												#11*11*13
												#11.7*Ø17*17
JS080	80	F07	70	4-M8	13	253	421	101	49.5	126	106	#9.7*Ø15*14
												17*17*19
												#14.7*Ø19*20
JS100	80	F07/F10	70/102	4-M8-M10	19	311	500	129	61.5	148	128	22*22*26
JS125	80	F07/F10	70/102	4-M8-M10	19	390	606	151	71.5	174	154	#17.7*Ø22*26
JS140	80	F10/F12	102/125	4-M10-M12	24	431	682	164	77	192	172	22*22*26
JS160	80	F14	140	4-M16	24	431	682	164	77	192	172	27*27*30
		#F10/F12	#102/125	#4-M10/M12								#22*22*30
JS185	80/130	F14	140	4-M16	24	581	894	217	102	244	224	36*36*38
JS200	130	F16	165	4-M20	36	605	982	231	115	284	254	46*46*60
		#F14										#36*36*50
JS250	130	F16	165	4-M20	36	755	1108	301	152	335	305	46*46*60
JS300	130	F16/F25	165/254	4-M20/8-M16	36	889	1345	360	170	408	378	55*55*60

Pneumatic Actuator JS Series

Torque Table

Double Acting



unit : Nm

Model	Angle	Supply Air													
		3 Bar		4 Bar		4.5 Bar		5 Bar		6 Bar		7 Bar		8 Bar	
		Close	Open	Close	Open	Close	Open	Close	Open	Close	Open	Close	Open	Close	Open
JS050-D	0°	31	25	43	32	48	36	54	40	67	48	79	54	92	61
	45°	15	15	20	20	23	23	26	25	30	29	36	34	41	40
	90°	24	29	31	40	35	46	39	48	47	60	53	71	61	83
JS065-D	0°	78	54	108	69	12	78	139	85	169	100	200	115	230	130
	45°	35	33	46	44	51	49	57	55	68	66	81	76	92	87
	90°	52	66	69	88	77	101	86	111	103	134	120	157	137	180
JS080-D	0°	152	100	209	133	238	152	266	166	323	200	380	228	437	261
	45°	67	57	90	76	100	86	109	95	133	114	157	138	176	162
	90°	105	119	138	166	152	190	166	219	200	266	233	318	266	366
JS100-D	0°	233	181	323	247	361	276	399	304	475	366	561	418	646	470
	45°	114	109	152	147	171	166	190	185	233	223	276	266	318	304
	90°	190	190	257	266	290	304	318	342	385	418	447	494	508	561
JS125-D	0°	551	390	751	508	874	575	998	632	1,197	746	1,397	855	1,596	960
	45°	247	242	333	323	371	361	413	399	499	475	584	556	665	632
	90°	394	451	527	613	589	698	646	822	774	983	893	1,145	1,002	1,306
JS140-D	0°	741	589	1,026	779	1,178	874	1,311	969	1,596	1,159	1,881	1,340	2,166	1,492
	45°	337	318	451	428	508	480	570	532	684	641	798	751	912	865
	90°	527	580	694	789	789	893	879	1,007	1,040	1,264	1,207	1,539	1,368	1,805
JS160-D	0°	1,121	903	1,539	1,188	1,739	1,330	1,948	1,473	2,385	1,748	2,850	2,033	3,325	2,299
	45°	523	504	703	675	789	760	879	846	1,059	1,012	1,235	1,183	1,416	1,349
	90°	846	979	1,126	1,363	1,268	1,582	1,401	1,805	1,677	2,123	1,948	2,503	2,209	2,883
JS185-D	0°	1,834	1,188	2,470	1,520	2,784	1,720	3,097	1,900	3,686	2,252	4,294	2,584	4,902	2,888
	45°	803	817	1,074	1,093	1,207	1,226	1,340	1,349	1,606	1,615	1,881	1,891	2,157	2,147
	90°	1,311	1,406	1,729	1,919	1,929	2,176	2,138	2,442	2,527	3,021	2,917	3,582	3,297	4,256
JS210-D	0°	2,138	1,976	2,945	2,613	3,344	2,888	3,724	3,164	4,560	3,677	5,368	4,218	6,318	4,750
	45°	1,083	1,102	1,444	1,492	1,615	1,663	1,805	1,853	2,166	2,223	2,527	2,594	2,898	2,945
	90°	1,748	1,824	2,318	2,432	2,613	2,755	2,879	3,069	3,458	3,705	4,028	4,323	4,617	4,940
JS250-D	0°	4,180	3,278	5,700	4,275	6,460	4,750	7,220	5,273	8,835	6,223	10,260	7,125	11,780	7,971
	45°	1,891	1,891	2,499	2,499	2,755	2,812	3,088	3,097	3,705	3,743	4,342	4,389	4,969	4,978
	90°	3,202	3,449	4,218	4,617	4,665	5,178	5,159	5,776	6,080	6,945	7,040	8,189	7,971	9,443
JS300-D	0°	7,287	5,719	10,089	7,553	11,495	8,493	12,825	9,215	15,998	10,346	18,896	11,524	21,793	13,015
	45°	3,363	3,192	4,456	4,285	5,054	4,921	5,624	5,434	6,793	6,555	8,009	7,752	9,196	8,902
	90°	5,320	5,985	7,125	8,170	7,980	9,282	8,854	10,422	10,526	12,797	12,217	15,276	13,832	17,807

Pneumatic Actuator JS Series

Torque Table

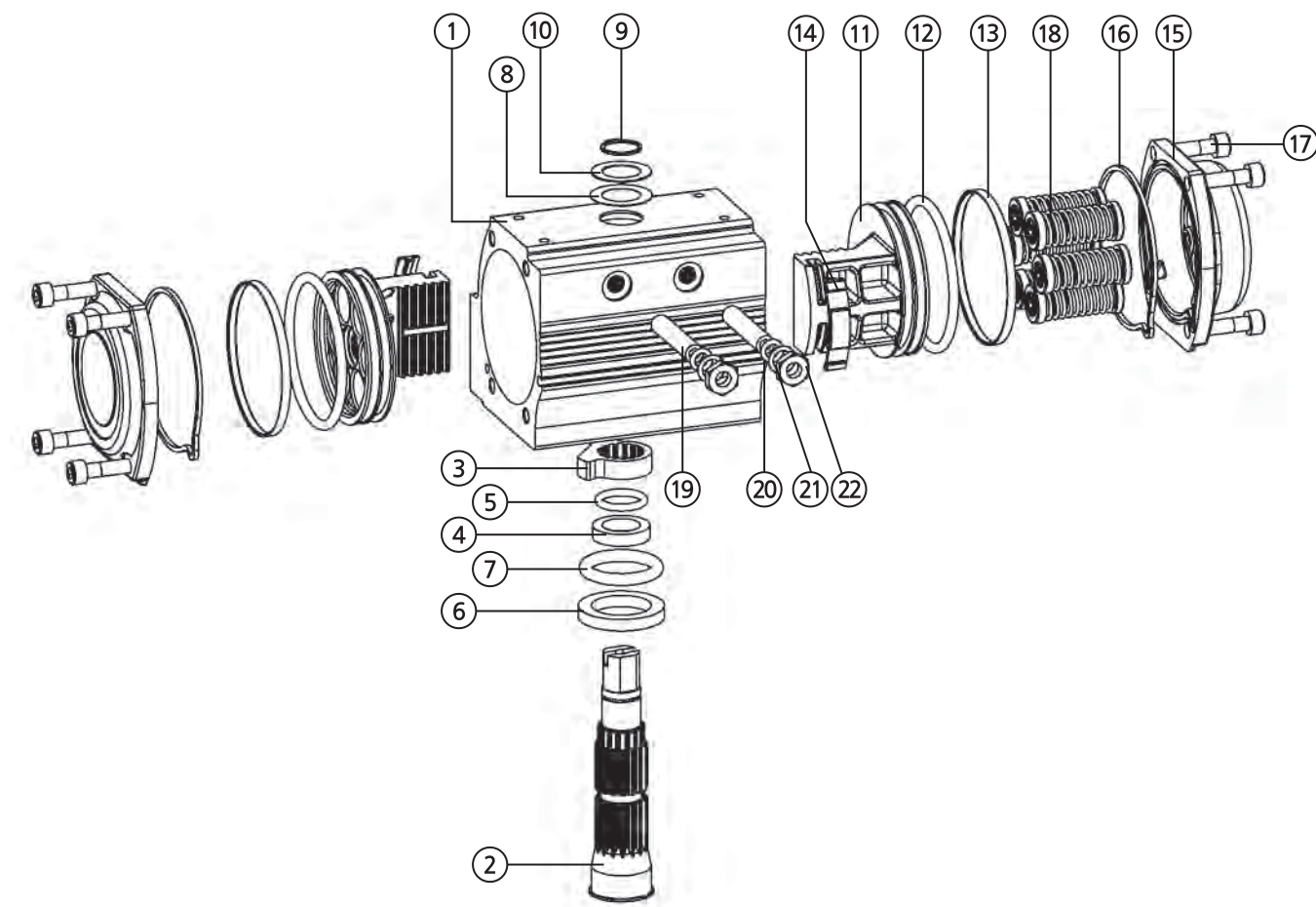
Single Acting



unit : Nm

Model	Spring type	Angle	Supply Air							Spring
			3 Bar	4 Bar	4.5 Bar	5 Bar	6 Bar	7 Bar	8 Bar	
JS050-S	Middle	0°	8.9	17.3	21.2	25.7	34.2	42.8	50.4	16.2
		45°	2.2	6.8	9.2	11.8	16.6	21.5	26.2	10.1
		90°	-	10.8	14.7	18.8	27.5	37.9	47.4	19.0
JS065-S	Middle	0°	24.2	41.3	49.4	58.0	73.2	87.4	101.7	43.7
		45°	6.8	17.6	23.3	28.5	40.4	51.3	62.7	24.9
		90°	3.2	20.0	30.6	41.2	64.6	87.4	110.2	47.2
JS080-S	Middle	0°	42.8	76.0	95.0	114.0	147.3	180.5	209.0	76.0
		45°	9.5	33.3	42.8	57.0	76.0	99.8	118.8	42.8
		90°	4.8	42.8	61.8	85.5	128.3	171.0	218.5	85.5
JS100-S	Middle	0°	71.3	133.0	166.3	199.5	266.0	323.0	389.5	114.0
		45°	14.3	57.0	76.0	95.0	137.8	175.8	213.8	76.0
		90°	-	61.8	99.8	133.0	209.0	285.0	361.0	152.0
JS125-S	WM	0°	256.5	384.8	441.8	503.5	631.8	750.5	869.3	190.0
		45°	128.3	213.8	251.8	294.5	375.3	456.0	541.5	109.3
		90°	190.0	361.0	451.3	536.8	722.0	893.0	1,064.0	213.8
	WS	0°	190.0	323.0	384.8	446.5	574.8	693.5	807.5	261.3
		45°	66.5	152.0	190.0	232.8	313.5	394.3	475.0	152.0
		90°	76.0	218.5	289.8	361.0	494.0	641.3	826.5	256.5
	S	0°	80.8	213.8	280.3	346.8	470.3	589.0	712.5	408.5
		45°	-	85.5	128.3	166.3	247.0	327.8	408.5	237.5
		90°	-	61.8	133.0	213.8	384.8	560.5	712.5	446.5
JS140-S	S	0°	109.3	304.0	399.0	503.5	693.5	883.5	1,073.5	574.8
		45°	-	109.3	166.3	213.8	318.3	427.5	532.0	332.5
		90°	-	61.8	156.8	251.8	465.5	674.5	883.5	617.5
JS160-S	S	0°	156.8	470.3	622.3	769.5	1,059.3	1,339.5	1,615.0	888.3
		45°	-	166.3	247.0	332.5	508.3	679.3	850.3	498.8
		90°	-	66.5	218.5	380.0	731.5	1,121.0	1,520.0	940.5
JS185-S	S	0°	142.5	532.0	741.0	931.0	1,292.0	1,634.0	1,976.0	1,548.5
		45°	-	180.5	304.0	437.0	703.0	969.0	1,235.0	874.0
		90°	-	-	218.5	456.0	931.0	1,415.5	1,928.5	1,681.5
JS210-S	S	0°	390	1,093	1,416	1,739	2,375	2,945	3,515	1,682
		45°	-	352	542	722	1,093	1,463	1,834	1,036
		90°	-	228	523	855	1,473	2,100	2,708	1,948
JS250-S	MS	0°	1,093	2,157	2,670	3,164	4,228	5,187	6,061	2,660
		45°	399	1,045	1,359	1,691	2,328	2,993	3,639	1,482
		90°	19	1,235	1,758	2,347	3,468	4,608	5,795	2,879
	S	0°	732	1,900	2,442	2,945	3,943	4,864	5,776	3,278
		45°	124	779	1,093	1,416	2,071	2,727	3,363	1,739
		90°	-	665	1,197	1,748	2,888	4,028	5,168	3,316
JS300-S	S	0°	808	2,651	3,639	4,589	6,403	7,942	9,139	6,099
		45°	-	827	1,425	1,967	3,021	4,085	5,111	3,506
		90°	-	190	1,188	2,204	4,199	6,365	8,332	6,565

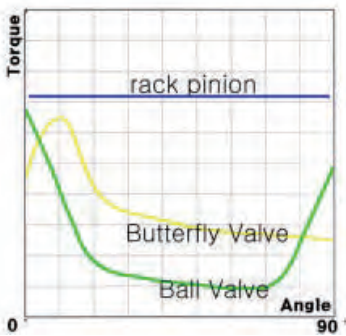
Component&Material



No.	Part Name	Q'ty	Materials	No.	Part Name	No.	Part Name
①	Body	1	Aluminum Alloy	⑬	Piston Guide-ring	2	Engineering Plastic
②	Shaft	1	Steel Alloy (Nickel Plated)	⑭	Piston Pad	2	Engineering Plastic
③	Stopper	1	Steel Alloy	⑮	Cover	2	Aluminum Alloy
④-1	Bushing (Top)	1	SMF	⑯	Cover O-ring	2	NBR
④-2	Bushing (Top)	1	Copper Alloy	⑰	Cover Bolt	8	Stainless Steel
⑤	Body O-ring (Top)	1	NBR	⑱	Spring	8	Steel Alloy
⑥	Bushing (Bottom)	1	Copper Alloy	⑲	Spring Cap (Top)	8	Engineering Plastic
⑦	Body O-ring (Bottom)	1	NBR	⑲	Spring Cap (Bottom)	8	Engineering Plastic
⑧	Body Washer	2	Engineering Plastic	⑲	Nylon Nut	8	Steel Alloy
⑨	Body Washer	1	Steel Alloy	⑲	Adjust Bolt	2	Stainless Steel
⑩	Body Snap-ring	1	Steel Alloy	⑲	Adjust O-ring	2	NBR
⑪	Piston	2	Aluminum Alloy	⑲	Adjust Washer	2	Stainless Steel
⑫	Piston O-ring	2	NBR	⑲	Adjust Nut	2	Stainless Steel

Technical Data

Torque Diagram



Air Consumption

The air consumption of actuator is calculated by below.

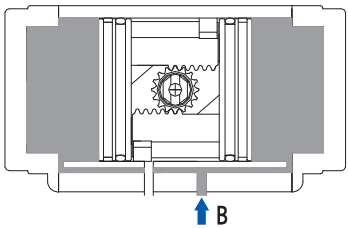
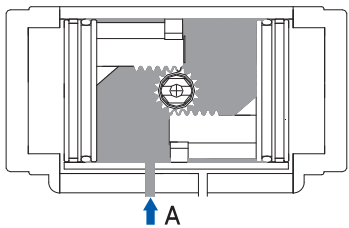
Double Acting
$$V=(A+B)*\left(\frac{P+1.013}{1.013}\right)*N$$

Single Acting
$$V=A*\left(\frac{P+1.013}{1.013}\right)*N$$

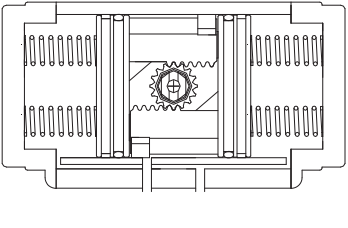
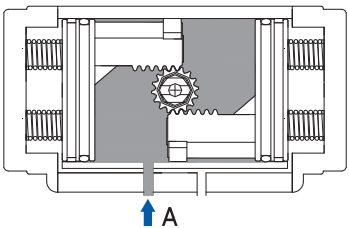
V = Air Consumption (Liter)
A = Volume “A” (Liter)
B = Volume “B” (Liter)
P = Supply Air pressure (Bar)
N = Number of Operating

Operating Mechanism

Double Acting



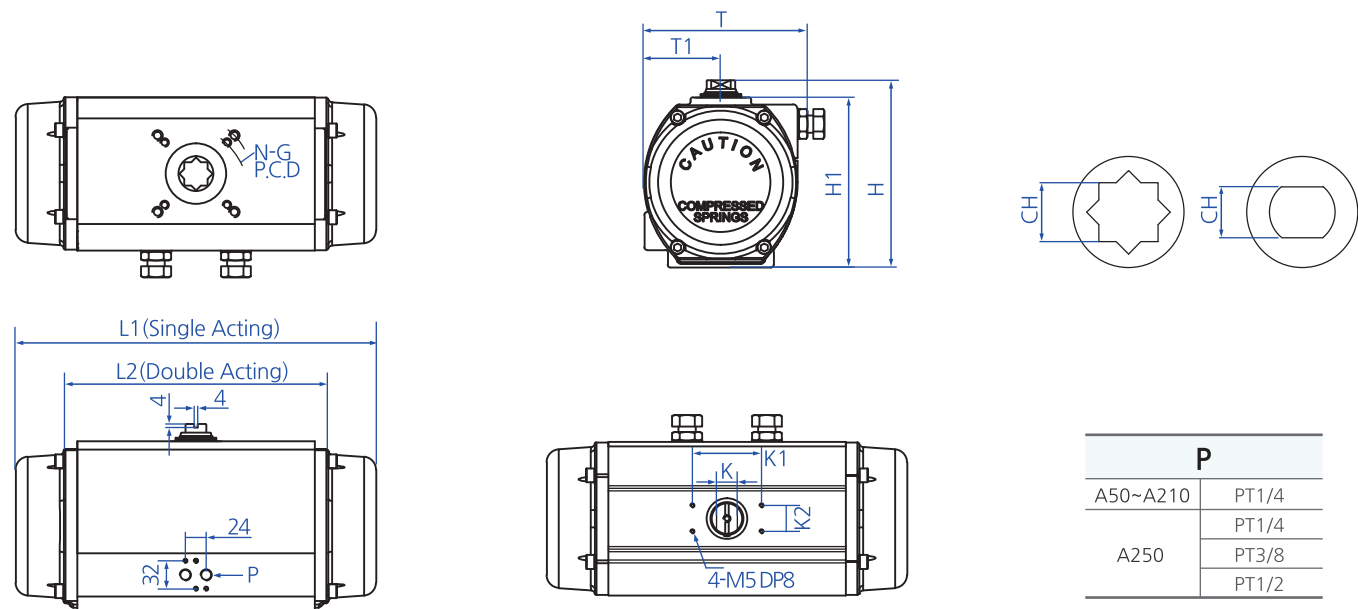
Single Acting



Double Acting			Single Acting	
MODEL	A	B	MODEL	A
JR032-D	0.1	0.1	JR040-S	0.1
JR040-D	0.1	0.1	JR050-S	0.2
JR050-D	0.2	0.1	JR065-S	0.3
JR065-D	0.3	0.2	JR080-S	0.4
JR080-D	0.4	0.4	JR090-S	0.7
JR090-D	0.7	0.6	JR100-S	0.9
JR100-D	0.9	0.9	JR115-S	1.5
JR115-D	1.5	1.4	JR125-S	2
JR125-D	2	1.8	JR140-S	3.2
JR140-D	3.2	2.8	JR160-S	3.8
JR160-D	3.8	3.5	JR210-S	12.5
JR210-D	12.5	11.3		

Pneumatic Actuator JR Series

Dimension Table



MODEL	K1	K2	ISO	P.C.D(φ)	N-G	K	L1	L2	T	T1	H	H1	CH
JR032	25.5	25.5	F03	36	4-M5	7	66		45	25	55	45	9*9*9
JR040	50	25	F03/F05	36/50	4-M5/M6	9	97	97	63	32	75	55	9*9*9
			#F04	#42	#4-M5								
JR050	80	30	F03/F05/F07	36/50/70	4-M5/M6/M8	9	118.5	133	75	40	90	70	11*11*13
			#F04	#42	#4-M5								
JR065	80	30	F05/F07	50/70	4-M6/M8	13	131	154	88.5	46	106.5	86.5	14*14*16
			#F04/F07	#42	#4-M5								
JR080	80	30	F05/F07	50/70	4-M6/M8	19	189	220	101	49.5	126	106	17*17*19
JR090	80	30	F07	70	4-M8	19	188	223	104	54.5	136	116	17*17*19
JR100	80	30	F07/F10	70/102	4-M8/M10	19	229	256	132	61.5	148	128	22*22*26
													#17*17*19
JR115	80	30	F07/F10	70/102	4-M8/M10	19	265	302	141.5	67.5	163	143	22*22*26
JR125	80	30	F07/F10	70/102	4-M8/M10	19	299	330	151	71.5	174	154	22*22*26
JR140	80	30	F10/F12	102/125	4-M10/M12	24	332	389	164	77	192	172	27*27*30
													#22*22*26
JR160	80	30	F10/F12	102/125	4-M10/M12	24	364	416	184	89	216	196	27*27*30
JR185	80	30	F10/F12	102/125	4-M10/M12	24	434	465	217	103	244	224	36*36*30
JR210	130	30	F14	140	4-M16	36	444	527	231	115	284	254	36*36*30

Pneumatic Actuator JR Series

Torque Table

Double Acting

unit : Nm

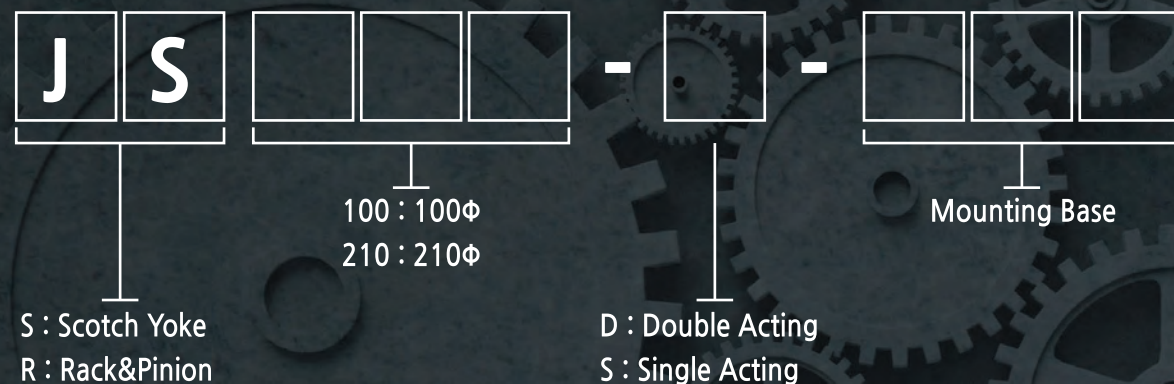
Model	Supply Air						
	3 Bar	4 Bar	4.5 Bar	5 Bar	6 Bar	7 Bar	8 Bar
JR032-D	2.38	3.14	3.52	3.90	4.75	5.70	6.56
JR040-D	5.51	7.41	8.36	9.22	11.12	13.02	14.82
JR050-D	9.41	12.54	14.25	15.87	19.10	22.52	25.84
JR065-D	18.34	24.70	27.84	30.78	36.77	42.94	49.21
JR080-D	44.46	58.90	66.50	74.39	89.30	104.31	117.80
JR090-D	57.19	76.19	85.69	95.19	114.19	133.19	152.19
JR100-D	79.52	105.45	118.75	132.05	158.65	185.25	211.85
JR115-D	123.50	166.25	187.15	209.00	251.75	294.50	337.25
JR125-D	161.50	218.50	247.00	270.75	327.75	384.75	437.00
JR140-D	237.50	318.25	361.00	399.00	479.75	560.50	641.25
JR160-D	327.75	441.75	494.00	551.00	669.75	779.00	893.00
JR185-D	475.00	641.25	722.00	802.75	964.25	1125.75	1287.25
JR210-D	679.25	912.00	1030.75	1144.75	1382.25	1615.00	1847.75

Single Acting

unit : Nm

Model	SPRING UNIT	Supply Air															
		3 Bar		4 Bar		4.5 Bar		5 Bar		6 Bar		7 Bar		8 Bar		SPRING	
		0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°	0°	90°
JR040-S	8	1.0	0.0	2.9	0.5	3.8	1.2	4.8	2.1	6.7	3.8	8.6	5.1	10.5	6.4	5.9	3.9
JR050-S	8	4.1	1.2	7.4	4.4	9.0	6.1	10.7	7.6	14.2	11.1	17.3	14.5	20.8	18.0	8.1	5.2
JR065-S	8	4.1	1.2	8.7	3.6	14.7	9.5	17.9	12.5	21.1	15.7	27.2	22.0	33.3	28.1	13.7	8.4
JR080-S	8	21.1	6.1	35.3	21.0	42.9	29.1	50.5	35.7	65.6	51.3	80.8	66.4	95.7	80.5	33.7	21.7
JR090-S	8	27.7	6.7	47.3	25.7	56.6	35.2	65.8	44.7	85.1	63.7	104.1	82.7	123.1	101.7	43.9	27.2
JR100-S	8	34.9	4.8	60.8	29.6	74.1	43.7	83.7	56.1	113.1	81.9	139.7	108.3	166.3	135.9	67.6	40.9
JR115-S	8	61.8	23.8	104.5	66.5	128.3	85.5	147.3	109.3	190.0	152.0	232.8	190.0	275.5	237.5	85.5	52.3
JR125-S	8	76.0	28.5	128.3	80.8	156.8	109.3	180.5	137.8	237.5	194.8	289.8	247.0	346.8	304.0	114.0	71.3
JR140-S	8	114.0	42.8	194.8	123.5	237.5	166.3	275.5	204.3	356.3	289.8	437.0	370.5	517.8	451.3	175.8	104.5
JR160-S	8	147.3	52.3	261.3	166.3	318.3	218.5	375.3	280.3	489.3	394.3	603.3	508.3	712.5	622.3	242.3	161.5
JR185-S	8	204.3	66.5	365.8	228.0	446.5	304.0	532.0	384.8	693.5	546.3	850.3	703.0	1011.8	864.5	370.5	251.8
JR210-S	8	332.5	152.0	570.0	380.	684.0	498.8	802.8	617.5	1035.5	850.3	1263.5	1078.3	1496.3	1311.0	489.3	327.8

Product Code



Selectable Accesory



- **Positioner**
- **Limit Switch**
General type, explosion-proof type
- **Solenoid Valve**
Input voltage selectable
- **Air Set(Filter/Regulator)**
- **Speed Controller**
- **Silencer**

customer



‘Unparalleled Performance
 High Professionalism
 Reliable After-Sales Service’

Jeongdo Machinery
 ‘Pneumatic Actuator’

Excellent quality!
 High professionalism!
 Fast AS!

2022.12.01.Rev-01



www.jdvalve.co.kr

10047 121, Hwanggum 2-ro, Yangchon-eup, Gimpo-si, Gyeonggi-do, Rep. of KOREA
Tel 031-986-4309 Fax 031-986-4308 E-mail jeongdo@jdvalve.co.kr
© 2018 JEONGDO MACHINERY Co., Ltd. All Rights Reserved.

Because of product discontinuation, error rectification, new products, or any other reason that Jeongdo Machinery Co., Ltd. considers necessary, products may be subject to change without prior notice. The published data may be subject to revision without prior notice. Content within this catalog in its entirety is protected by copyright, and any unauthorized reproduction of such content is strictly prohibited.