

RBV Series

Unique design and high platform structure.
ISO5211 connection, easy to be installed.



» Features

- Unique design and beautiful appearance.
- High platform structure and ISO5211 connection, makes the installation of electric or pneumatic actuator to be more professional.
- Valve body is overlaid with reinforced bar, which can be permanently used in corrosion medium, and keep away from the cracking and failure during the installation.
- Grinding process of the valve stem reduces the torque of electric or pneumatic valve during the installation.
- The valve body of carbon steel is phosphate coated, which won't be discolored and rusty. It is durable and beautiful.

» Order Code

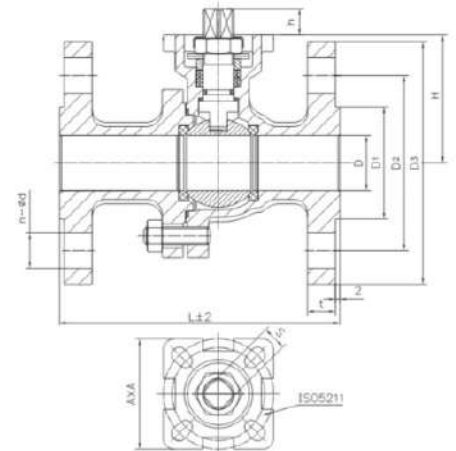
R	BV	P	4	1	—		—	15	Z
1	2	3	4	5		6		7	8
1. RFS product			5. Structure			7. Nominal diameter			
2. Ball valve			1: 1 Straight bore			08:1/4" 50:2"			
3. Type			2: Y 3-way Y type			10:3/8" 65:2-1/2"			
P: Pneumatic			4: L 3-way L type			15:1/2" 80:3"			
L: Lever			5: T 3-way T type			20:3/4" 100:4"			
E: Electric			6. Tandem structure			25:1" 125:5"			
4. Connection			1: 1PCS type			32:1-1/4" 150:6"			
1: Female thread connection			2: 2PCS type			40:1-1/2"			
2: Male thread connection			3: 3PCS type			8. Valve body material			
4: Flanged connection			Blank: Other			Z: CI			
7: Wafer Type						Q: DI			
8: Clamp type						P: Stainless steel 304			
						R: Stainless steel 316			
						C: Carbon steel			

» Pneumatic ANSI Flange Ball valve

Features

The nominal pressure: PN 1.6, 2.5MPa
 Strength test pressure: PT2.4/8MPa
 Seal test pressure (low pressure): 0.6MPa
 Suitable medium: Water,oil,Gas,Nitric acid,Acetic acid
 Suitable temperature: PTFE: -20 °C~+150 °C
 PPL: -20 °C~+200 °C
 (WCB, CF8, CF8M, Ti, Ni)

GB: china national Standard



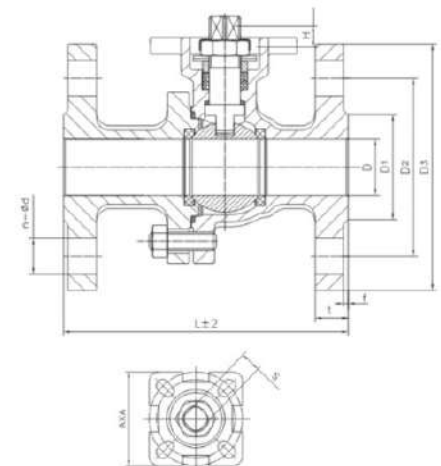
Model	INCH	DN	D	L	H	A	D1	D2	D3	ISO5211	t	n-φd	S	h	Actuator
RBVP41-3-15-ANSI	1/2"	15	15	108	48	43	34.9	60.3	90	F03/F04	9.6	4-φ15.9	9	8.5	RAT052DA
RBVP41-3-20-ANSI	3/4"	20	20	117	53	43	42.9	69.9	100	F03/F04	11.2	4-φ15.9	9	9.5	RAT052DA
RBVP41-3-25-ANSI	1"	25	25	127	58	50	50.8	79.4	110	F04/F05	12.7	4-φ15.9	11	11	RAT063DA
RBVP41-3-32-ANSI	1-1/4"	32	32	140	62	50	63.5	88.9	115	F04/F05	14.3	4-φ15.9	11	12	RAT063DA
RBVP41-3-40-ANSI	1-1/2"	40	38	165	75	68	73	98.4	125	F05/F07	15.9	4-φ15.9	14	16.5	RAT075DA
RBVP41-3-50-ANSI	2"	50	50	178	85	68	92.1	120.7	150	F05/F07	17.5	4-φ19.1	14	16.5	RAT083DA
RBVP41-3-65-ANSI	2-1/2"	65	65	190	104	96	104.8	139.7	180	F07/F10	20.7	4-φ19.1	17	20	RAT092DA
RBVP41-3-80-ANSI	3"	80	78	203	114	96	127	152.4	190	F07/F10	22.3	4-φ19.1	17	20	RAT105DA
RBVP41-3-100-ANSI	4"	100	95	229	135	96	157.2	190.5	230	F07/F10	22.3	8-φ19.1	19	22.5	RAT125DA

» Pneumatic Din Flange Ball Valve

Features

The nominal pressure: PN 1.6, 2.5MPa
 Strength test pressure: PT 3.0/7.5MPa
 Seal test pressure (low pressure): 0.6MPa
 Suitable medium: Water,oil,Gas,Nitric acid,Acetic acid
 Suitable temperature: PTFE: -20 °C~+150 °C
 PPL: -20 °C~+200 °C
 (WCB, CF8, CF8M, Ti, Ni)

Ansi: American Standard

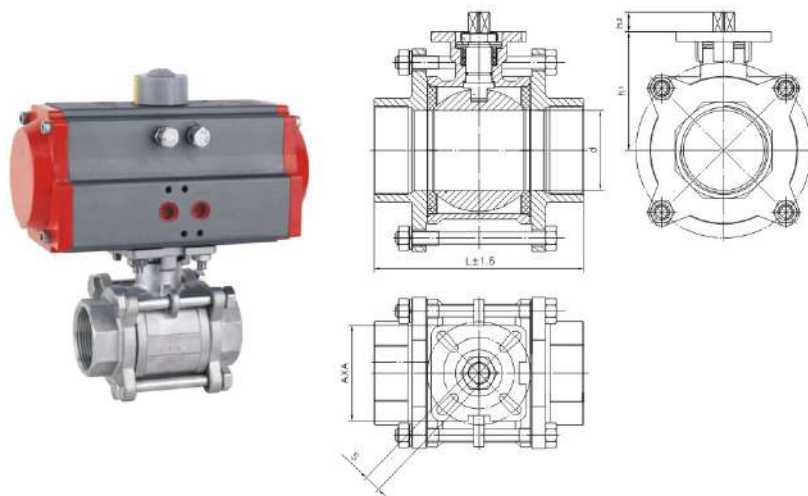


Model	INCH	DN	D	L	S	D1	D2	D3	t	f	n-φd	ISO5211	H	Actuator
RBVP41-2-15-GB	1/2"	15	15	130	9	45	65	95	14	2	4-φ14	F03/F04	10.5	RAT052DA
RBVP41-2-20-GB	3/4"	20	20	140	9	55	75	105	14	2	4-φ14	F03/F04	10.7	RAT052DA
RBVP41-2-25-GB	1"	25	25	150	11	65	85	115	14	2	4-φ14	F04/F05	11	RAT063DA
RBVP41-2-32-GB	1-1/4"	32	32	165	11	78	100	135	16	2	4-φ18	F04/F05	11.5	RAT063DA
RBVP41-2-40-GB	1-1/2"	40	38	180	14	85	110	145	16	2	4-φ18	F05/F07	17	RAT075DA
RBVP41-2-50-GB	2"	50	50	200	14	100	125	160	16	3	4-φ18	F05/F07	17	RAT083DA
RBVP41-2-65-GB	2-1/2"	65	65	220	17	120	145	180	18	3	4-φ18	F07/F10	20	RAT092DA
RBVP41-2-80-GB	3"	80	76	250	17	135	160	195	20	3	8-φ18	F07/F10	20	RAT105DA
RBVP41-2-100-GB	4"	100	100	280	19	155	180	215	20	3	8-φ18	F07/F10	22.5	RAT125DA

» Pneumatic Female Thread 3-part Ball Valve

Features

Screw type: NPT, BSPT, BSP
 ISO-228 Class A Thread
 Temperature range: PTFE: -20 °C~+150 °C
 PPL: -20 °C~+200 °C
 Suitable medium: Water, oil, Air and some corrosive liquid
 Nominal pressure: 1000PSI (PN63) For 1/2"~4"
 Blowout proof stem
 Locking device
 Material: CF8M (DIN 1.4408),
 CF8 (DIN 1.4308),
 WCB (DIN 1.0619)
 (WCB, CF8, CF8M/I, Ti, Ni)



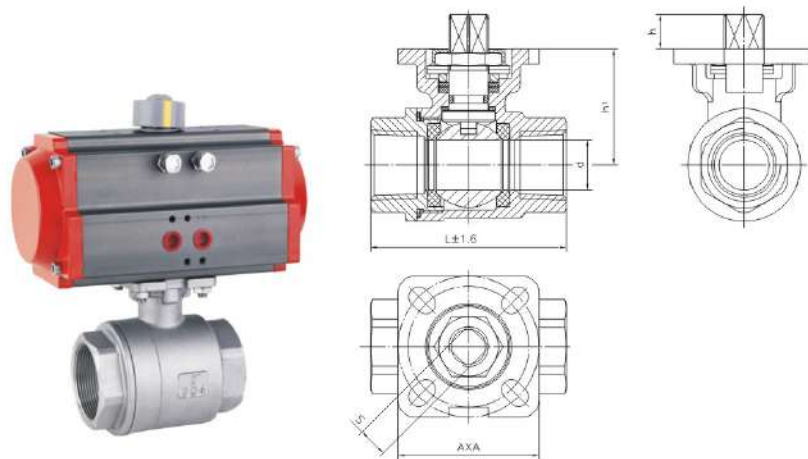
The actuator needs to be replaced for the PN64

Model	INCH	DN	d	L	h1	h2	ISO5211	A	S	Actuator
RBVP11-3-15	1/2"	15	15	75	39	10.5	F03/F04	42	9	RAT052DA
RBVP11-3-20	3/4"	20	20	80	44	10.5	F03/F04	42	9	RAT052DA
RBVP11-3-25	1"	25	25	90	52	11	F04/F05	50	11	RAT052DA
RBVP11-3-32	1-1/4"	32	32	110	56	11.5	F04/F05	50	11	RAT063DA
RBVP11-3-40	1-1/2"	40	38	120	65	17	F05/F07	70	14	RAT075DA
RBVP11-3-50	2"	50	49	140	75	17	F05/F07	70	14	RAT083DA
RBVP11-3-65	2-1/2"	65	64	177	105.5	19.5	F07/F10	95	17	RAT092DA
RBVP11-3-80	3"	80	80	209	118	19.5	F07/F10	95	17	RAT105DA
RBVP11-3-100	4"	100	100	267	141	20	F07/F10	96	19	RAT125DA

» Pneumatic Female Thread 2-part Ball Valve

Features

Screw type: NPT, BSPT, BSP
 ISO-228 Class A Thread
 Temperature range: PTFE: -20 °C~+150 °C
 PPL: -20 °C~+200 °C
 Suitable medium: Water, oil, Air and some corrosive liquid
 Nominal pressure: PN16, PN25, PN40,
 1000PSI (PN63) For 1/2" ~ 4"
 Anti roll stem
 Locking device
 Material: CF8M (DIN 1.4408),
 CF8 (DIN 1.4308),
 WCB (DIN 1.0619)
 (WCB, CF8, CF8M/I, Ti, Ni)



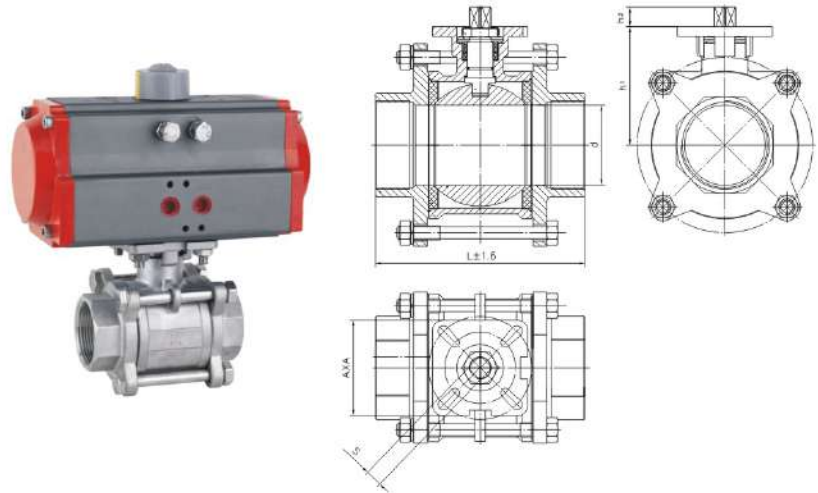
The actuator needs to be replaced for the PN64

Model	INCH	DN	d	L	h	h1	E	d1	d2	R1	R2	A	S	Actuator
RBVP11-2-15	1/2"	15	15	59	10.5	35	125	36.5	42.5	3	3	42	9	RAT052DA
RBVP11-2-20	3/4"	20	20	66	10.7	39	125	36.5	42.5	3	3	42	9	RAT052DA
RBVP11-2-25	1"	25	25	80	11	46	135	42.5	50.5	3	3.5	50	11	RAT052DA
RBVP11-2-32	1-1/4"	32	32	90	11.5	52	150	42.5	50.5	3	3.5	50	11	RAT063DA
RBVP11-2-40	1-1/2"	40	38	103	17	63	160	50	70	3.5	4.5	70	14	RAT075DA
RBVP11-2-50	2"	50	49	117	17	73.5	180	50	70	3.5	4.5	70	14	RAT083DA
RBVP11-2-65	2-1/2"	65	64	147	20	94.5	260	70	102	4.5	5.5	96	17	RAT092DA
RBVP11-2-80	3"	80	76	169	20	103.5	260	70	102	4.5	5.5	96	17	RAT105DA
RBVP11-2-100	4"	100	98	204	22.5	122	300	70	102	4.5	5.5	96	19	RAT125DA

» Pneumatic Female Thread 3-part Ball Valve

Features

Screw type: NPT, BSPT, BSP
 ISO-228 Class A Thread
 Temperature range: PTFE: -20 °C~+150 °C
 PPL: -20 °C~+200 °C
 Suitable medium: Water, oil, Air and some corrosive liquid
 Nominal pressure: 1000PSI (PN63) For 1/2"~4"
 Blowout proof stem
 Locking device
 Material: CF8M (DIN I.4408),
 CF8 (DIN I.4308),
 WCB (DIN I.0619)
 (WCB, CF8, CF8M/I, Ti, Ni)



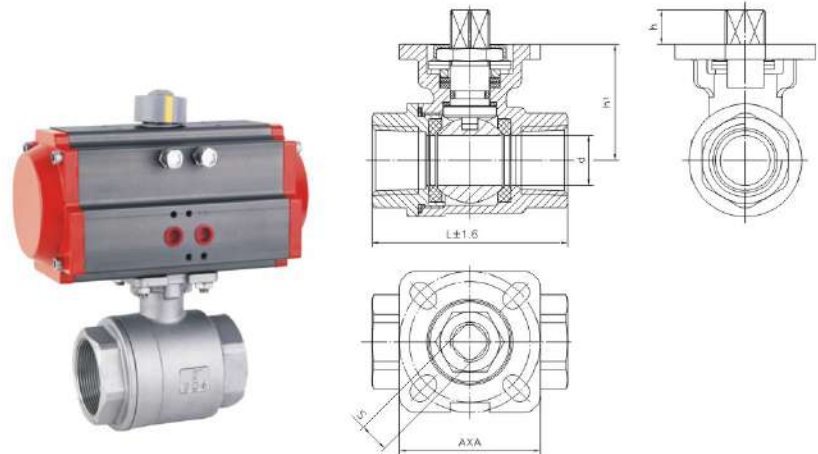
The actuator needs to be replaced for the PN64

Model	INCH	DN	d	L	h1	h2	ISO5211	A	S	Actuator
RBVP11-3-15	1/2"	15	15	75	39	10.5	F03/F04	42	9	RAT052DA
RBVP11-3-20	3/4"	20	20	80	44	10.5	F03/F04	42	9	RAT052DA
RBVP11-3-25	1"	25	25	90	52	11	F04/F05	50	11	RAT052DA
RBVP11-3-32	1-1/4"	32	32	110	56	11.5	F04/F05	50	11	RAT063DA
RBVP11-3-40	1-1/2"	40	38	120	65	17	F05/F07	70	14	RAT075DA
RBVP11-3-50	2"	50	49	140	75	17	F05/F07	70	14	RAT083DA
RBVP11-3-65	2-1/2"	65	64	177	105.5	19.5	F07/F10	95	17	RAT092DA
RBVP11-3-80	3"	80	80	209	118	19.5	F07/F10	95	17	RAT105DA
RBVP11-3-100	4"	100	100	267	141	20	F07/F10	96	19	RAT125DA

» Pneumatic Female Thread 2-part Ball Valve

Features

Screw type: NPT, BSPT, BSP
 ISO-228 Class A Thread
 Temperature range: PTFE: -20 °C~+150 °C
 PPL: -20 °C~+200 °C
 Suitable medium: Water, oil, Air and some corrosive liquid
 Nominal pressure: PN16, PN25, PN40,
 1000PSI (PN63) For 1/2" ~ 4"
 Anti roll stem
 Locking device
 Material: CF8M (DIN I.4408),
 CF8 (DIN I.4308),
 WCB (DIN I.0619)
 (WCB, CF8, CF8M/I, Ti, Ni)



The actuator needs to be replaced for the PN64

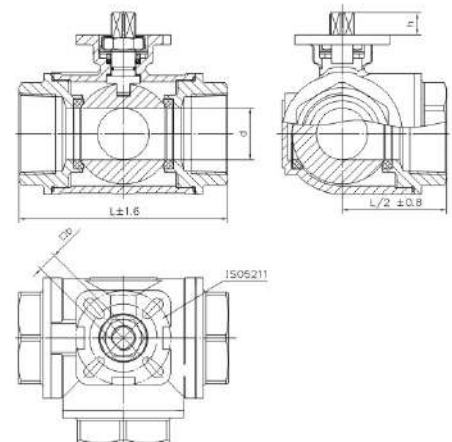
Model	INCH	DN	d	L	h	h1	E	d1	d2	R1	R2	A	S	Actuator
RBVP11-2-15	1/2"	15	15	59	10.5	35	125	36.5	42.5	3	3	42	9	RAT052DA
RBVP11-2-20	3/4"	20	20	66	10.7	39	125	36.5	42.5	3	3	42	9	RAT052DA
RBVP11-2-25	1"	25	25	80	11	46	135	42.5	50.5	3	3.5	50	11	RAT052DA
RBVP11-2-32	1-1/4"	32	32	90	11.5	52	150	42.5	50.5	3	3.5	50	11	RAT063DA
RBVP11-2-40	1-1/2"	40	38	103	17	63	160	50	70	3.5	4.5	70	14	RAT075DA
RBVP11-2-50	2"	50	49	117	17	73.5	180	50	70	3.5	4.5	70	14	RAT083DA
RBVP11-2-65	2-1/2"	65	64	147	20	94.5	260	70	102	4.5	5.5	96	17	RAT092DA
RBVP11-2-80	3"	80	76	169	20	103.5	260	70	102	4.5	5.5	96	17	RAT105DA
RBVP11-2-100	4"	100	98	204	22.5	122	300	70	102	4.5	5.5	96	19	RAT125DA

» Pneumatic 3-Way Ball Valve

Features

The nominal pressure: PN 1.6, 2.5, 4.0, 6.4MPa
 Strength test pressure: PT 2.4, 3.8, 6.0, 9.6MPa
 Seal test pressure (low pressure): 0.6MPa
 Seal test pressure (pressure): 1.8, 2.8, 4.4, -7.1Mpa
 Suitable medium: Water.oil.Gas.Nitric acid.Acetic acid
 Suitable temperature: PTFE: -20 °C~+150 °C
 PPL: -20 °C~+200 °C
 (WCB, CF8, CF8M, Ti, Ni)

The actuator needs to be replaced for the PN40、PN64

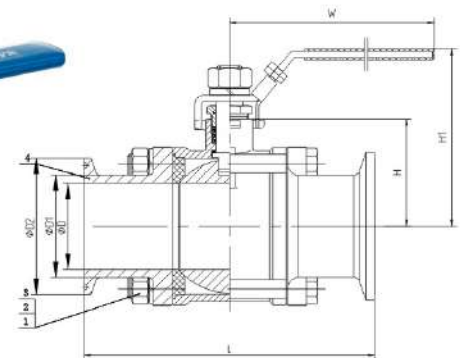


Model	INCH	DN	d	L	h	b	ISO5211	Actuator
RBVP14-15	1/2"	15	12	72	8.5	9	F03/F04	RAT052DA
RBVP14-20	3/4"	20	15	82	9.5	9	F03/F04	RAT052DA
RBVP14-25	1"	25	18	90	11	11	F04/F05	RAT052DA
RBVP14-32	1-1/4"	32	25	128	12	11	F04/F05	RAT063DA
RBVP14-40	1-1/2"	40	32	137	16.5	14	F05/F07	RAT075DA
RBVP14-50	2"	50	38	154	16.5	14	F05/F07	RAT083DA
RBVP14-65	2-1/2"	65	48	185	20	17	F07/F10	RAT092DA
RBVP14-80	3"	80	55	212	20	17	F07/F10	RAT105DA
RBVP14-100	4"	100	74	254	22.5	19	F07/F10	RAT125DA

» Manual three-piece quick release ball valves

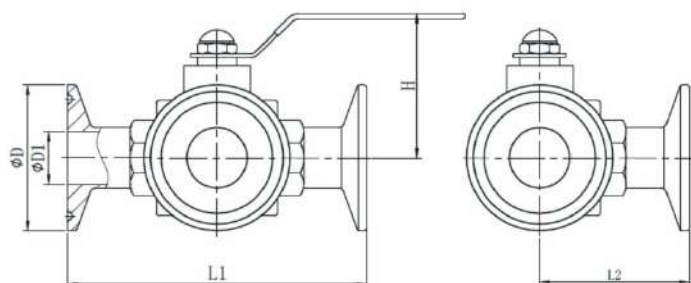
Features

- 1、Design and manufacture of technical requirements according to the provisions of the ASME B1634 standard
- 2、the length of the valve body structure according to the provisions of DIN3202-M3 standards.
- 3、Valve inspection and test according to the provisions of API598 standard.
- 4、Threads are processed according to the requirements of the order.



Model	INCH	ΦD	L	H	H1	W	D1	D2
RBVL81-3-15	1/2"	15	89	28	64.5	120	18	50.5
RBVL81-3-20	3/4"	20	101	30.5	67	120	23	50.5
RBVL81-3-25	1"	25	114	39	78.5	150	26	50.5
RBVL81-3-32	1-1/4"	32	132	44	83.5	150	34	50.5
RBVL81-3-40	1-1/2"	40	140	54	98	170	38	50.5
RBVL81-3-50	2"	50	156	63	107	170	52	64
RBVL81-3-65	2-1/2"	65	190	80.3	133	250	70	91
RBVL81-3-80	3"	80	205	91	143.5	250	94	106
RBVL81-3-100	4"	100	245	107.5	168	300	106	119

» Manual sanitary three-way quick release ball valve



Model	DN	D	D1	L1	L2	H	Inner hole	Weight(Kg)
RBVL85-19	19	50.5	16	105	57	58	15	0.84
RBVL85-25	25	50.5	22	126	62	62	20	1.04
RBVL85-32	32	50.5	29	137	68	71	25	1.3
RBVL85-38	38	50.5	35	154	77	81	32	1.7
RBVL85-45	45	64	41.7	165	81	90	40	2.09
RBVL85-51	51	64	48	186	90	90	40	2.7
RBVL85-63	63	77.5	59	184	92	103	50	3.65
RBVL85-76	76	91	72	220	105	110	65	7
RBVL85-89	89	106	84	240	133	118	80	9.3
RBVL85-102	102	119	98	266	150	130	94	13