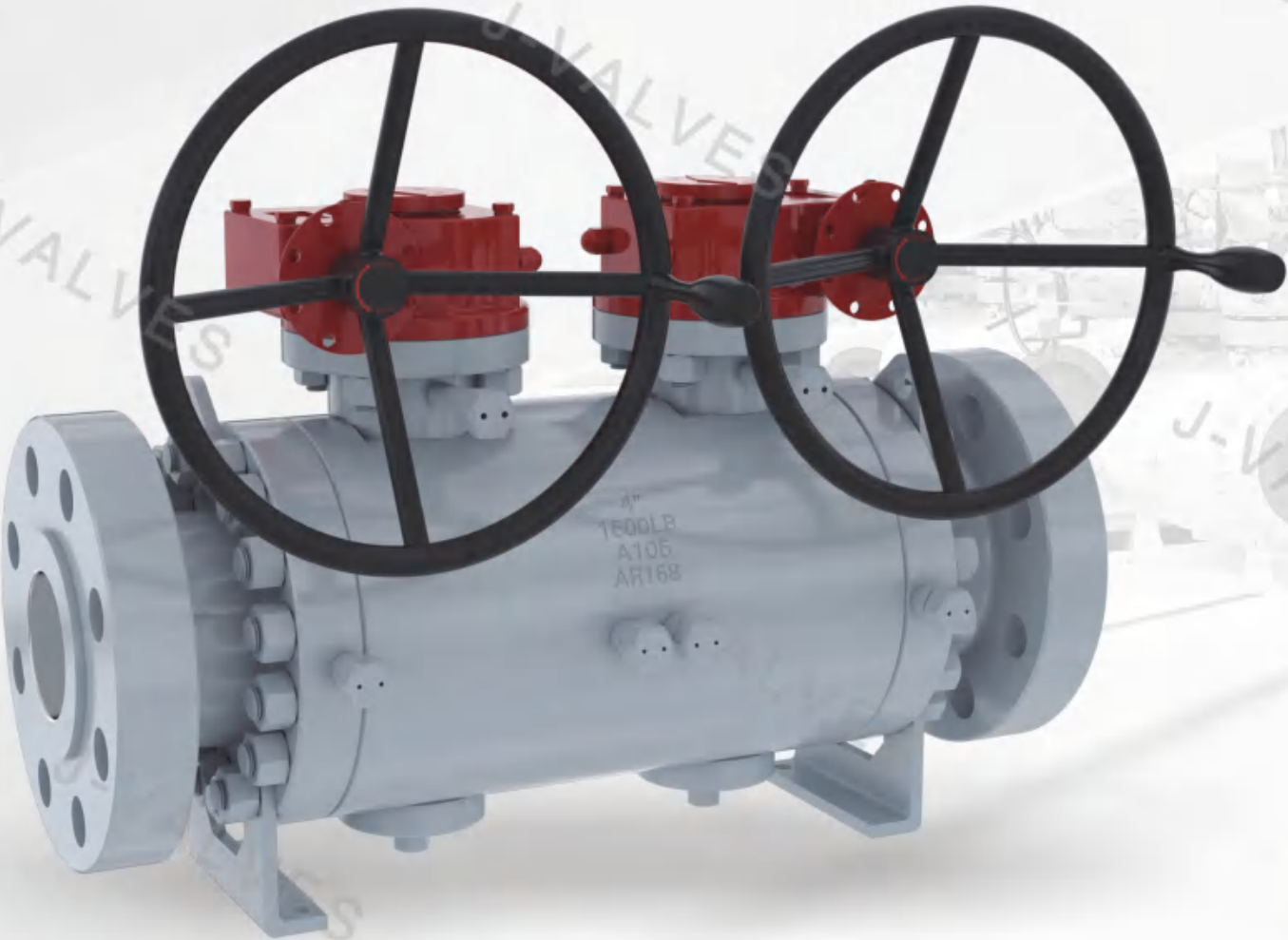
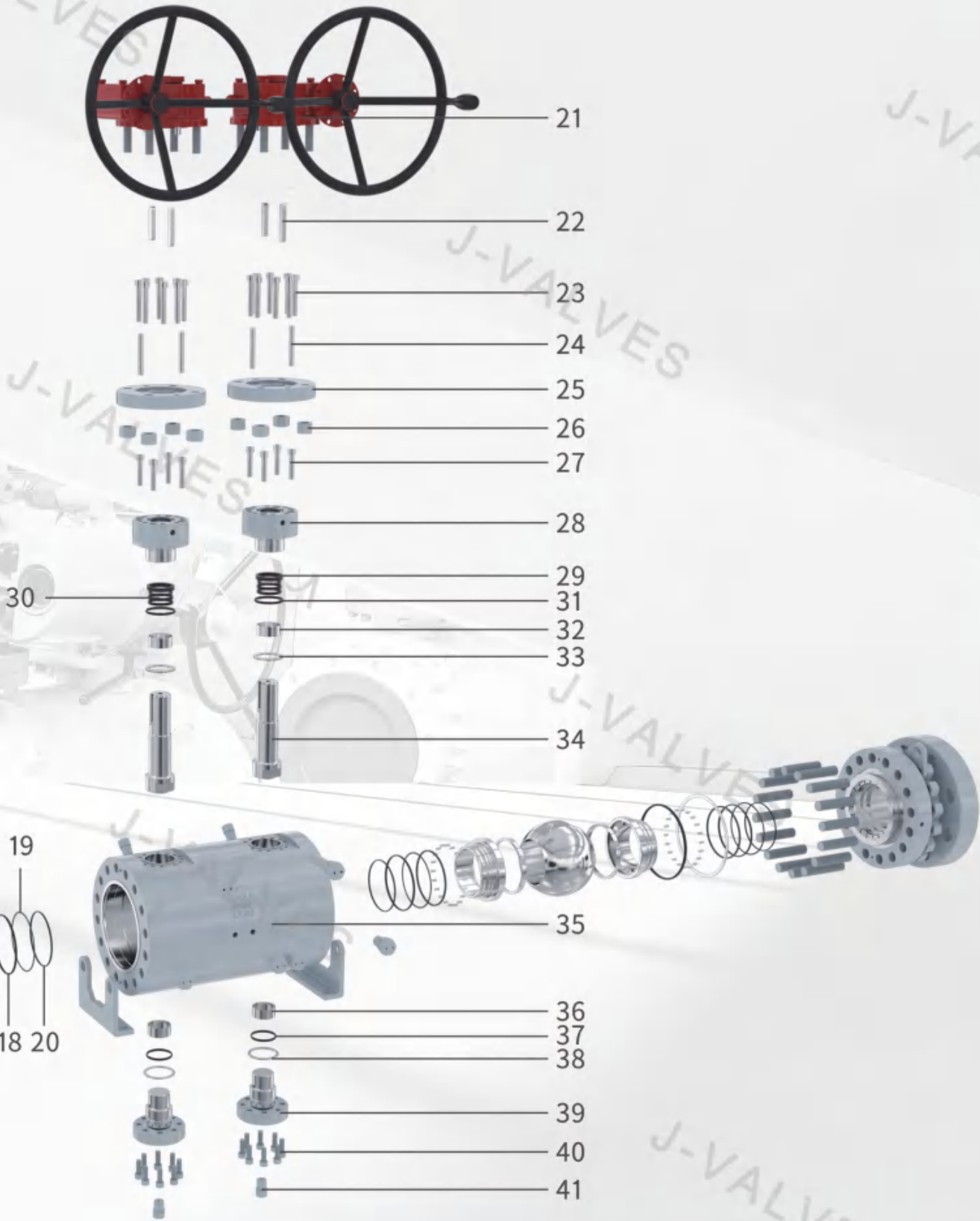
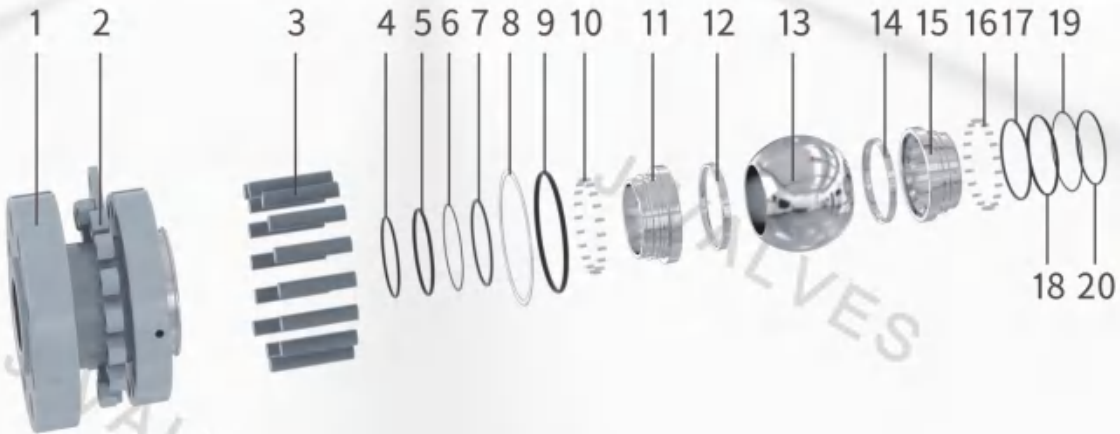


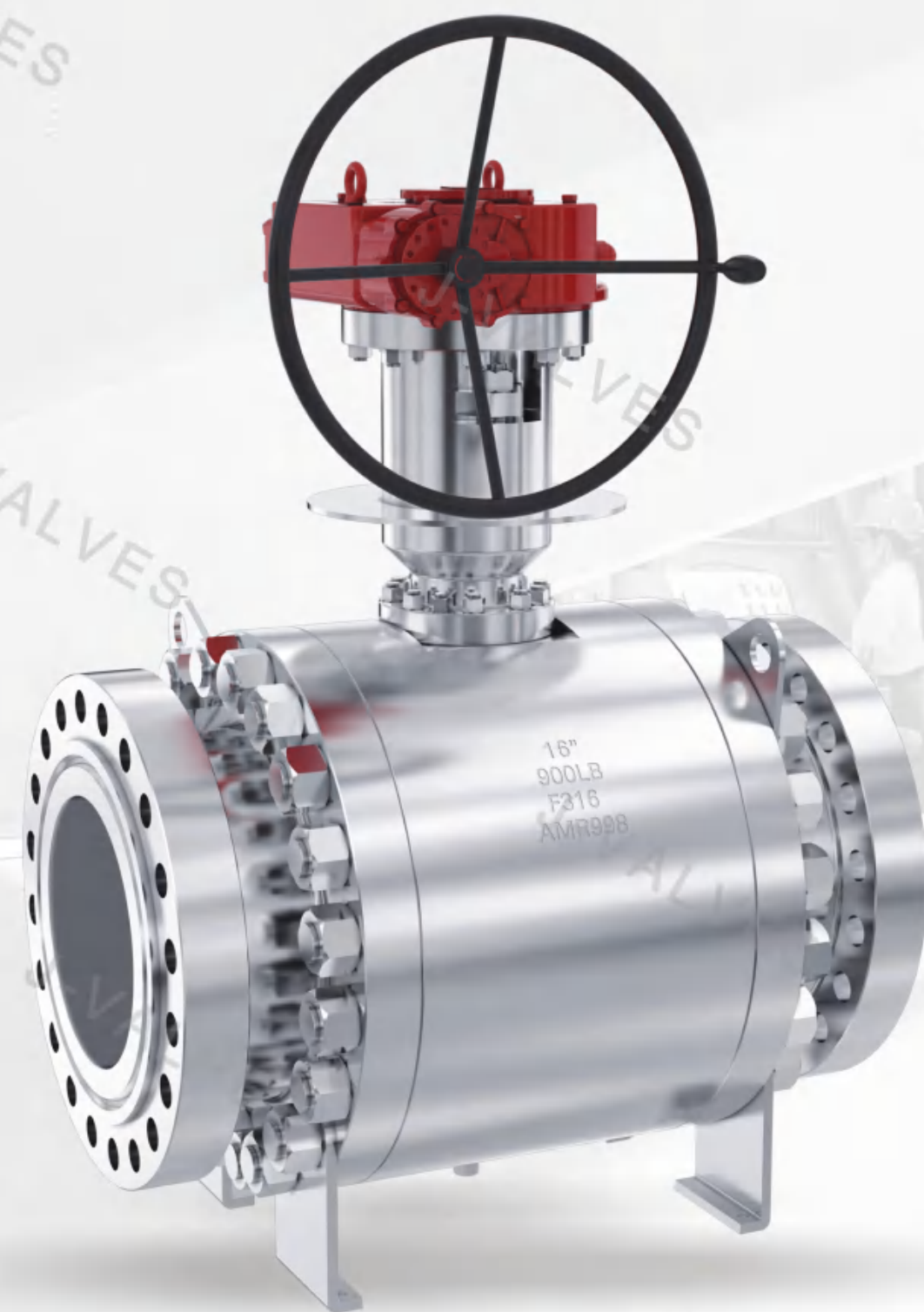
DBB Double Block and Bleed Ball Valve



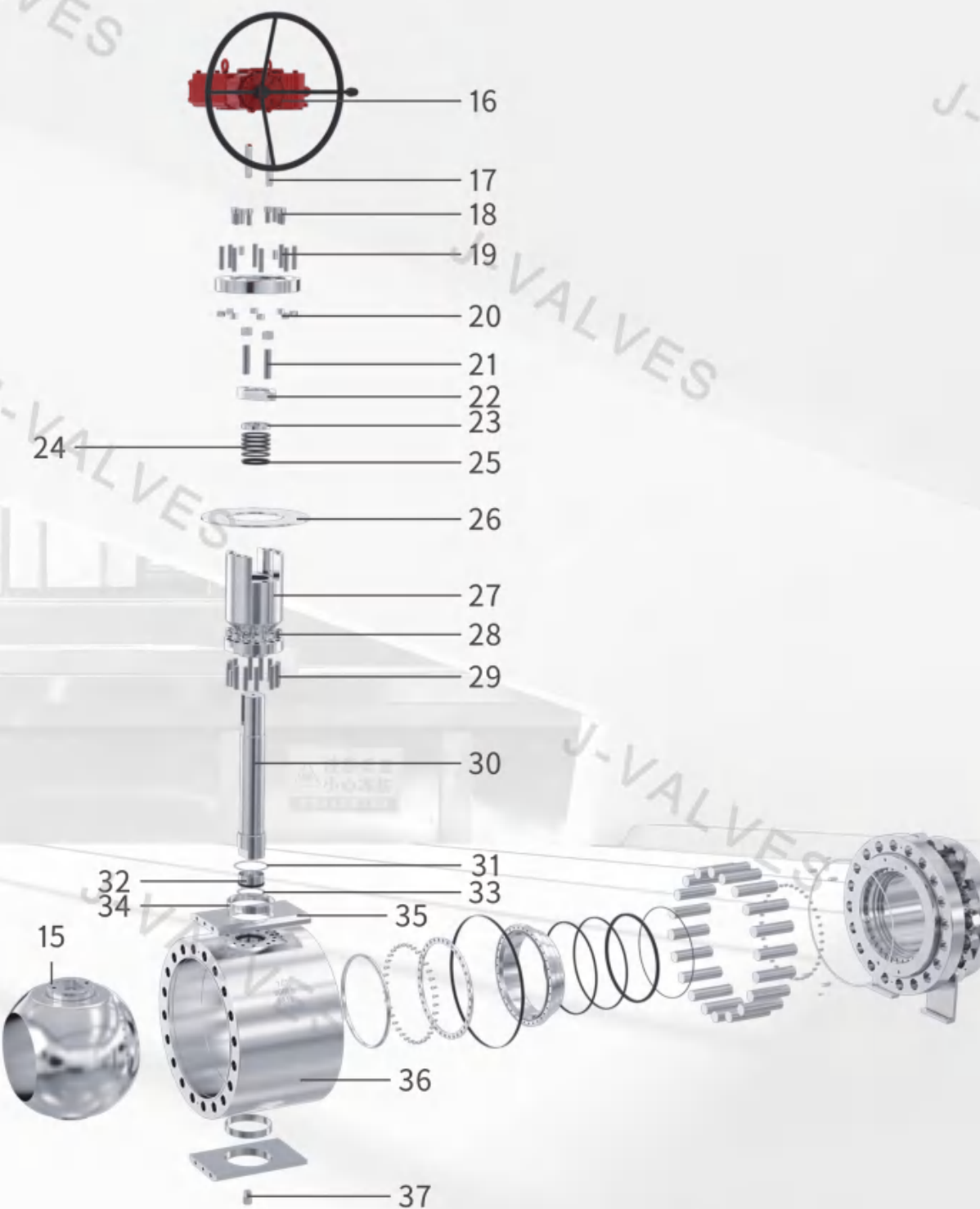
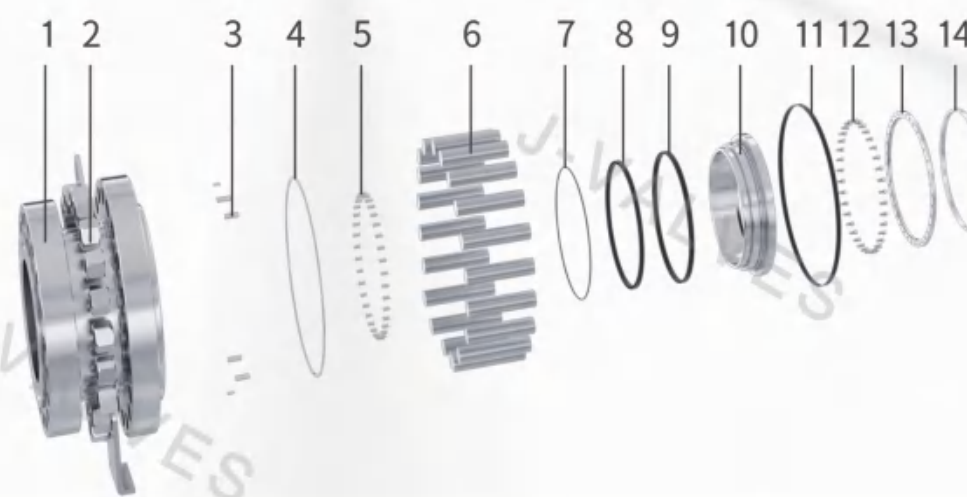
No	Designation	No	Designation
1	Right Body	22	Key
2	Nut	23	Bolt
3	Stud	24	Pin
4	"O"-Ring	25	Connection Plate
5	"O"-Ring	26	Nut
6	Thrust Washer	27	Bolt
7	Packing	28	Packing Box
8	Gasket	29	Packing
9	"O"-Ring	30	"O"-Ring
10	Spring	31	ThrustWasher
11	Seat Retainer	32	Stem Bearing
12	Seat	33	Thrust Washer
13	Ball	34	Stem
14	Seat	35	Body
15	Seat Retainer	36	Stem Bearing
16	Spring	37	"O"-Ring
17	Packing	38	Gasket
18	"O"-Ring	39	Lower Cover
19	Thrust Washer	40	Bolt
20	"O"-Ring	41	Drain Valve
21	Worm-Gear		



-196 °C Cryogenic Ball Valve



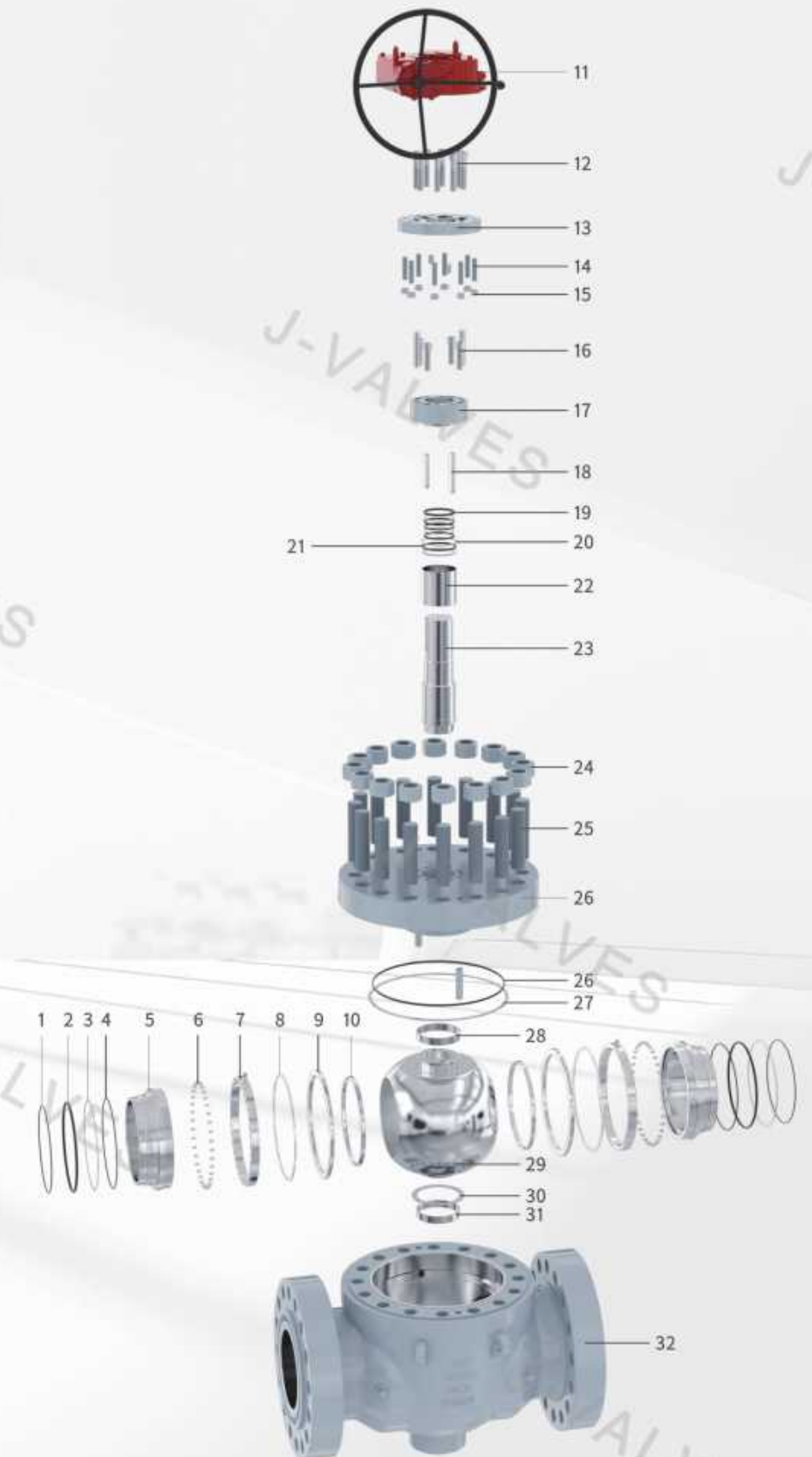
No	Designation	No	Designation
1	Right Body	20	Nut
2	Nut	21	Stud
3	Pin	22	Gland
4	Gasket	23	Packing Ring
5	Spring	24	Packing
6	Stud	25	Packing Pad
7	Thrust Washer	26	DripTray
8	Lip Seal	27	Packing Box
9	Lip Seal	28	Nut
10	Seat Retainer	29	Stud
11	Lip Seal	30	Stem
12	Bolt	31	Thrust Washer
13	Seat Pressure Ring	32	Stem Bearing
14	Seat	33	Thrust Bearing
15	Ball	34	Stem Bearing
16	Worm-Gear	35	Trunnion Support
17	Key	36	Body
18	Bolt	37	Drain Valve
19	Stud		



Top Ball Valve



No	Designation	No	Designation
1	"O"-Ring	17	Packing Box
2	"O"-Ring	18	Key
3	Thrust Washer	19	Packing
4	Packing	20	Gasket
5	Seat Retainer	21	"O"-Ring
6	Spring	22	Stem Bearing
7	Spring Seat	23	Stem
8	Thrust Washer	24	Stud
9	Seat Adjustment Ring	25	Nut
10	Seat	26	Valve Lid
11	Worm-Gear	27	"O"-Ring
12	Bolt	28	Gasket
13	Connection Plate	29	Ball
14	Stud	30	Thrust Washer
15	Nut	31	Stem Bearing
16	Bolt	32	Body



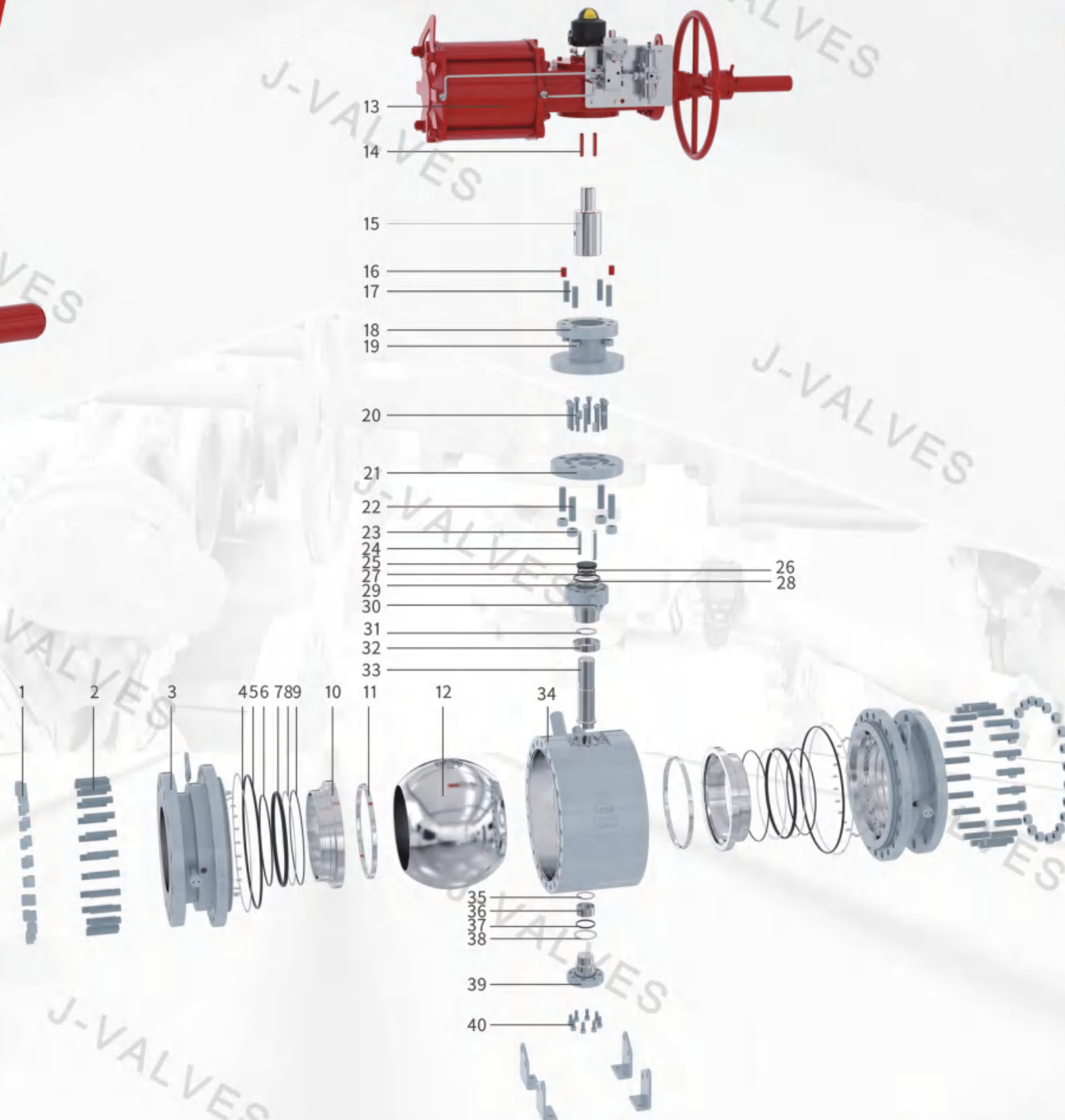
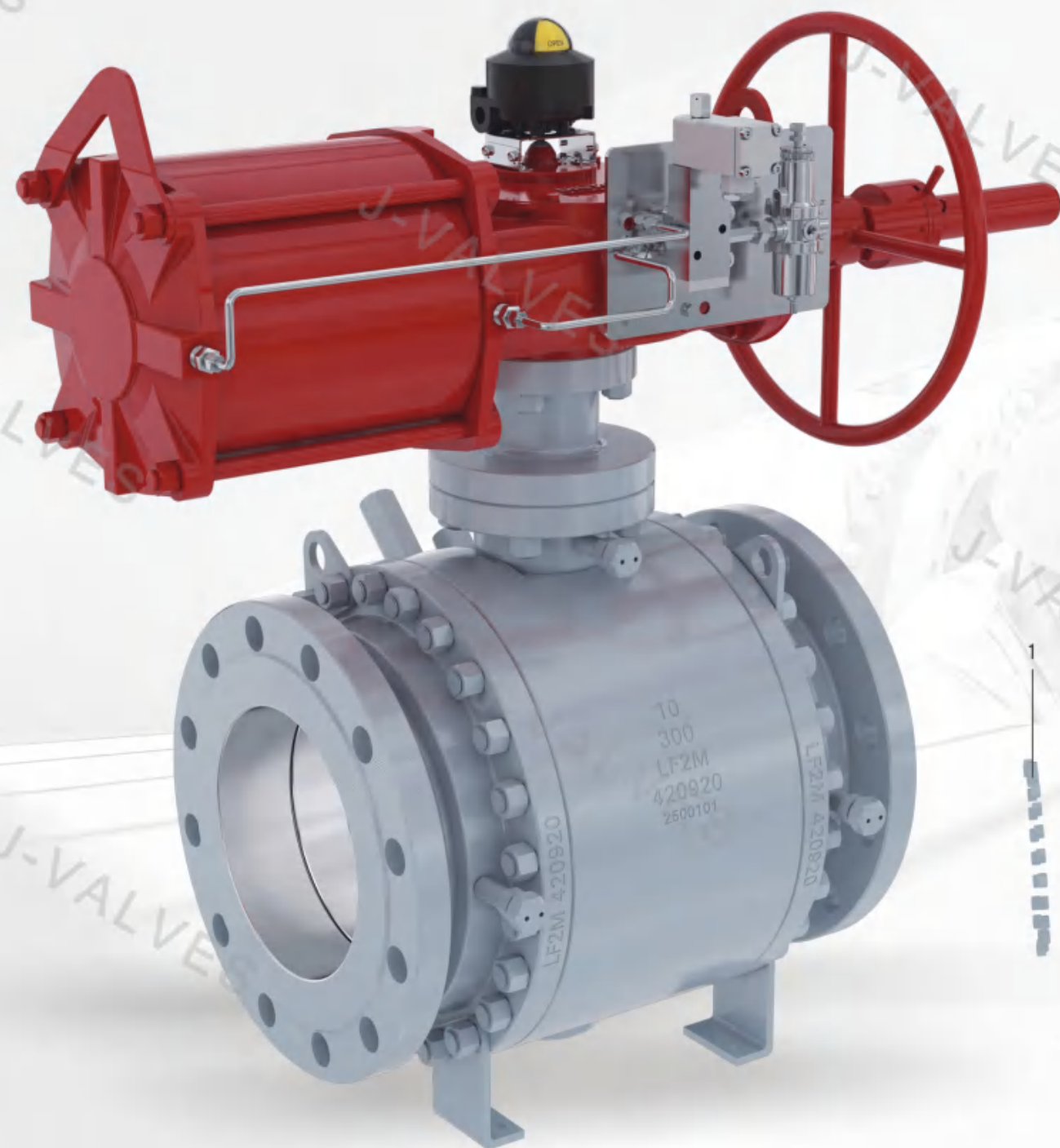
Fully Welded Ball Valve



No	Designation	No	Designation
1	Welding Steel Pipe	24	Support Frame
2	Seamless Steel Tube	25	Key
3	Right Body	26	Connection Plate
4	Spring	27	Stud
5	"O"-Ring	28	Nut
6	"O"-Ring	29	Bolt
7	Thrust Washer	30	Packing
8	Packing	31	Thrust Washer
9	Seat Retainer	32	"O"-Ring
10	Seat	33	Packing Box
11	Seat	34	Gasket
12	Ball	35	"O"-Ring
13	Trunnion Support	36	Stem Bearing
14	Worm-Gear	37	Four Open Loop
15	Key	38	Sealing Ring
16	Bolt	39	Thrust Washer
17	"O"-Ring	40	Stem Bearing
18	"O"-Ring	41	Stem
19	Seal Ring	42	Stem Bearing
20	Extension Stem	43	Body
21	Bearing	44	Thrust Bearing
22	Extension Support	45	Stem Bearing
23	Pin		



Forged Steel Ball Valve

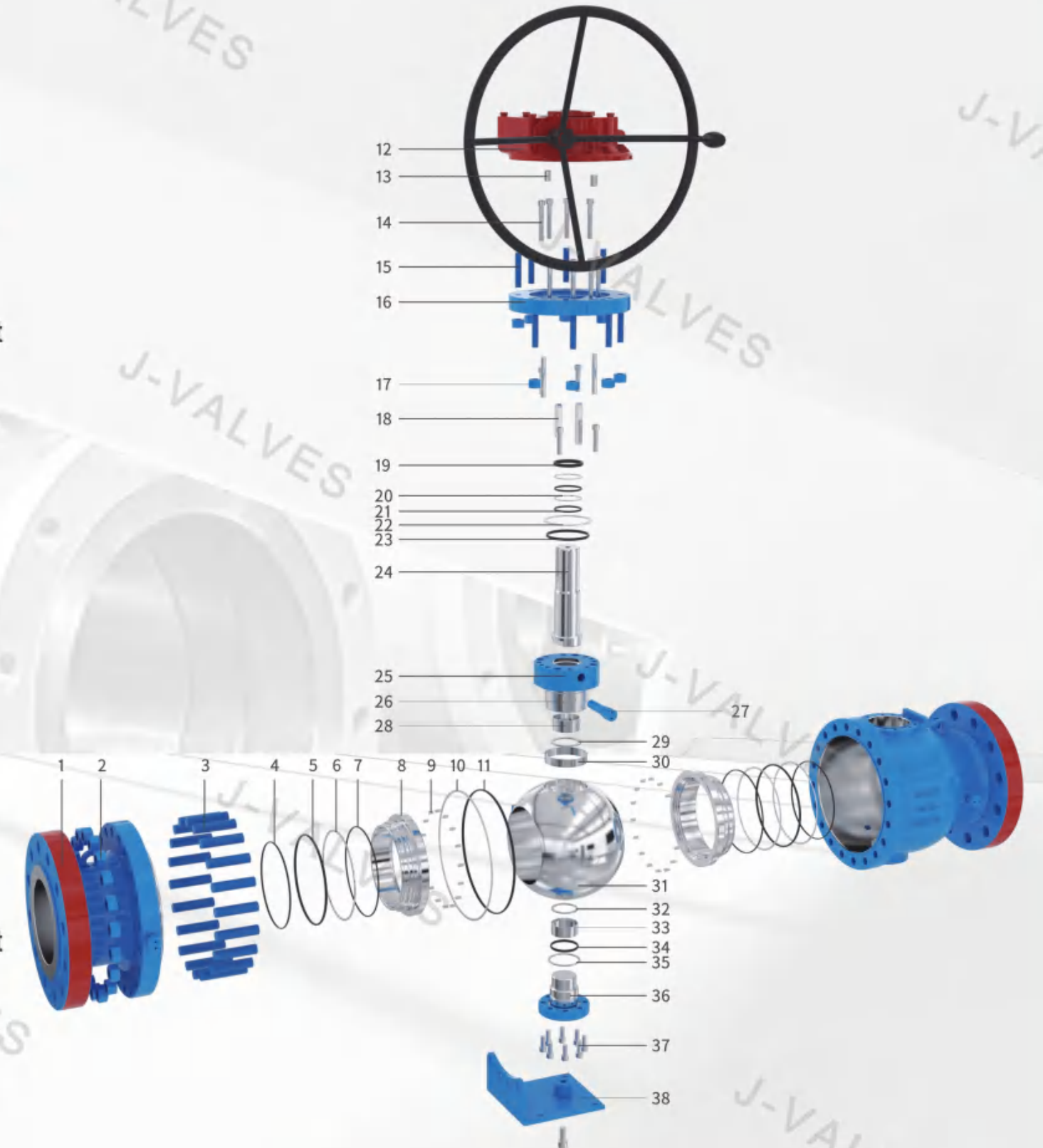


No	Designation	No	Designation
1	Not	21	Connection Plate
2	Stud	22	Stud
3	Right Body	23	Nut
4	Gasket	24	Key
5	"O"-Ring	25	Packing
6	"O"-Ring	26	"O"-Ring
7	"O"-Ring	27	Thrust Washer
8	Thrust Washer	28	Packing Box
9	Packing	29	Gasket
10	Seat Retainer	30	Sealant Injection Valve
11	Seat	31	Thrust Washer
12	Ball	32	Stem Bearing
13	Pneumatic Actuator	33	Stem
14	Key	34	Body
15	Coupling sleeve	35	Thrust Washer
16	Pin	36	Stem Bearing
17	Stud	37	"O"-Ring
18	Yoke	38	Gasket
19	Nut	39	Lower Cover
20	Bolt	40	Bolt

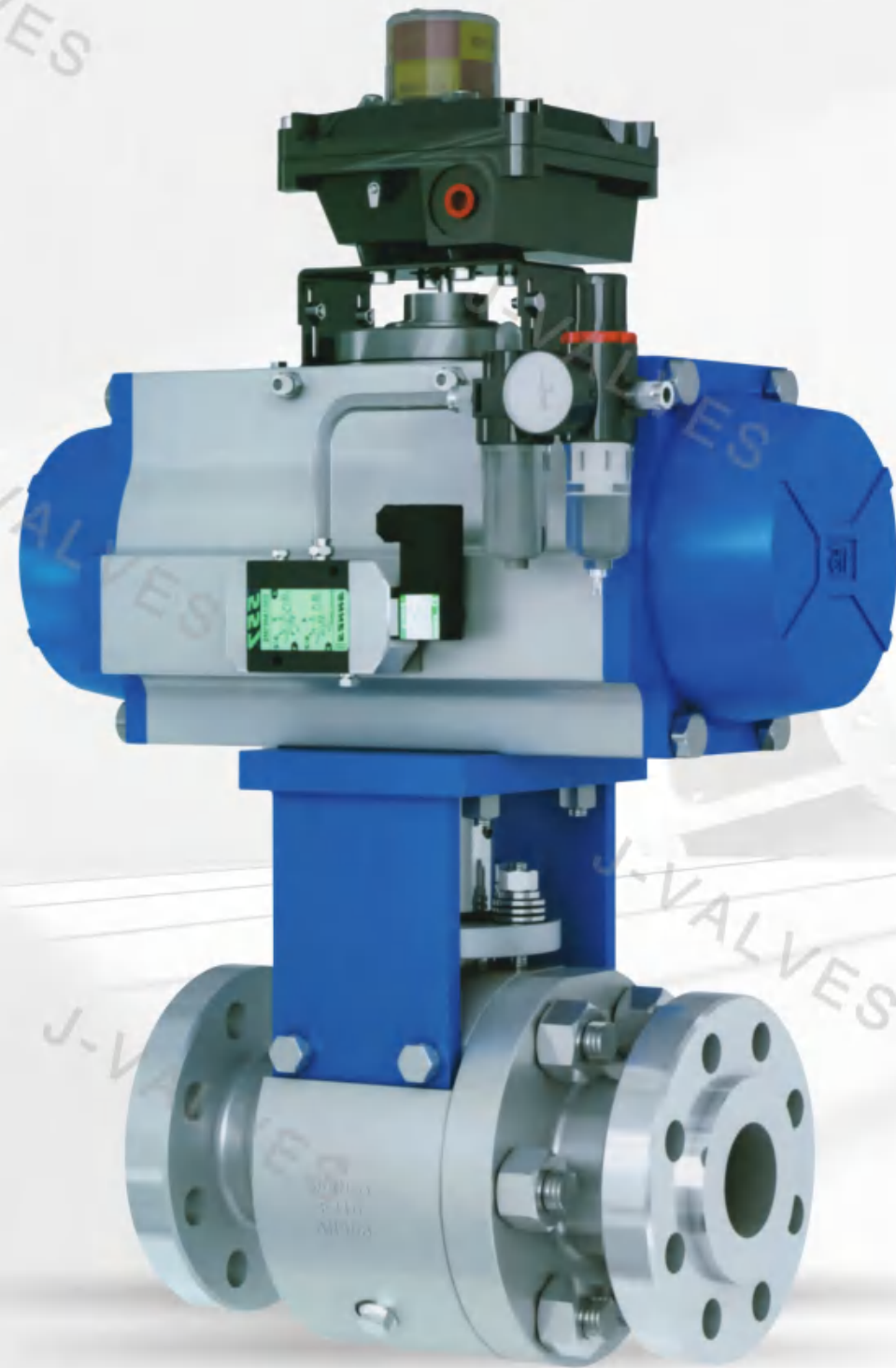
Cast Steel Ball Valve



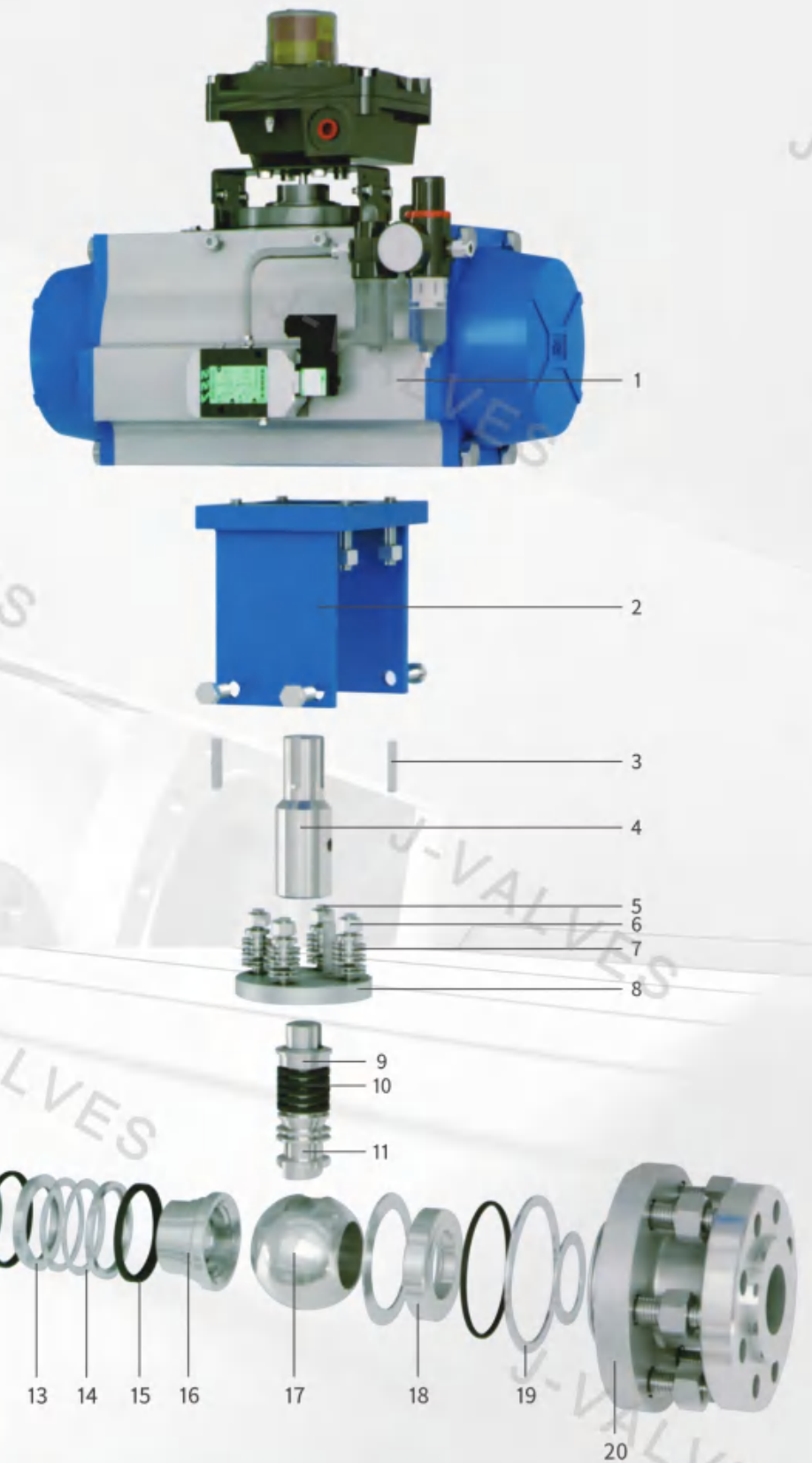
No	Designation	No	Designation
1	Left-right Body	20	Thrust Washer
2	Hex Nut	21	"O"-Ring
3	Fully Threaded Stud	22	Metal Spiral Wound Gasket
4	"O"-Ring	23	"O"-Ring
5	"O"-Ring	24	Valve Stem
6	Thrust Washer	25	Stuffing Box
7	Fireproof Packing	26	"O"-Ring
8	Valve Seat Retainer	27	Grease Injection Valve
9	Spring	28	Plain Bearing
10	Metal Spiral Wound Gasket	29	Thrust Washer
11	"O"-Ring	30	Plain Bearing
12	Turbine Actuator	31	Sphere
13	Dowel Pin	32	Thrust Washer
14	Hexagon Socket Screw	33	Plain Bearing
15	Fully Threaded Stud	34	"O"-Ring
16	Coupling Disk	35	Metal Spiral Wound Gasket
17	Hex Nut	36	Bottom Cover
18	Flat Key	37	Hexagon Socket Screw
19	Packing	38	Foot Frame



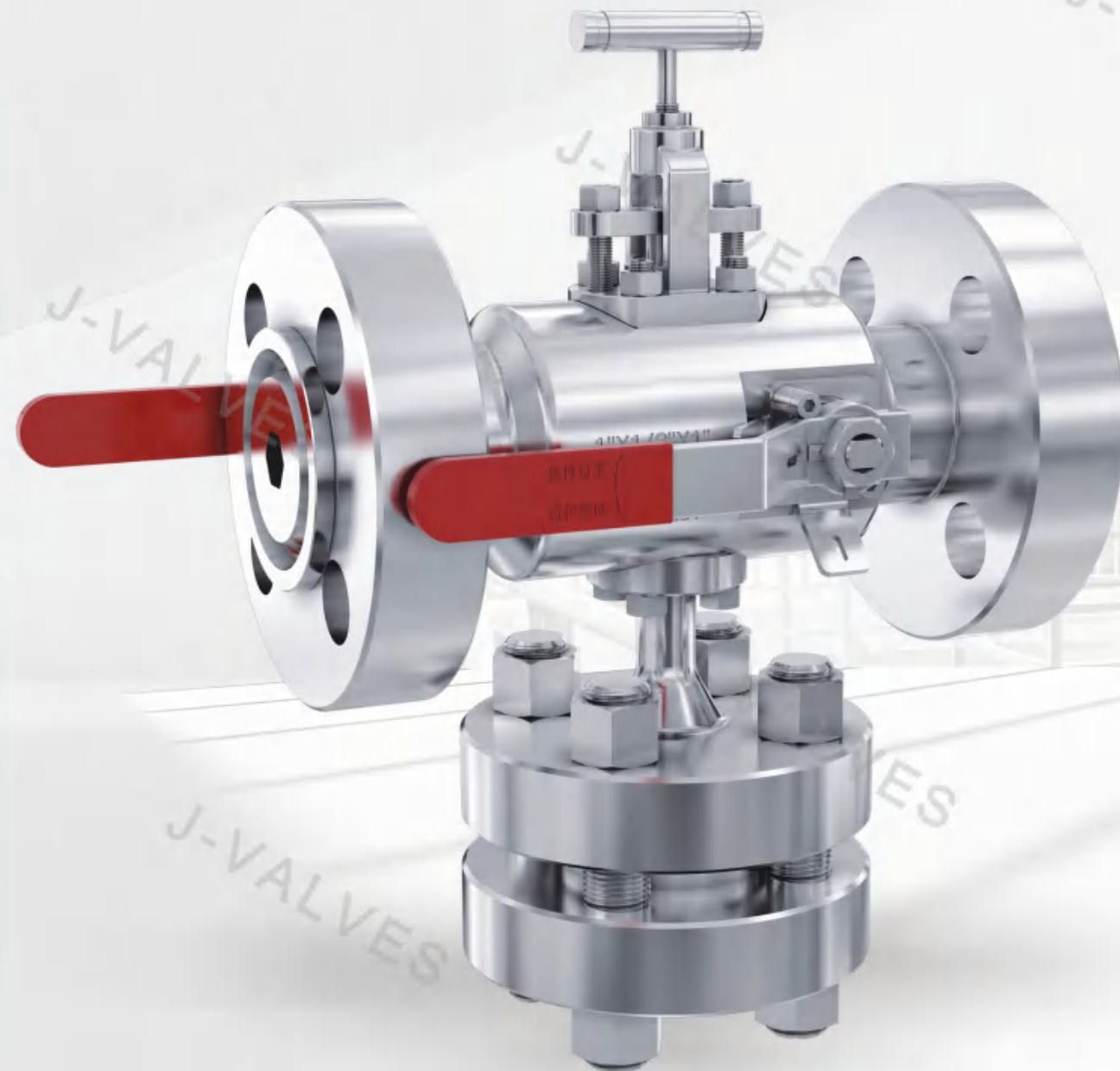
High Temperature Ball Valve



No	Designation	No	Designation
1	Pneumatic Actuator	11	Valve Stem
2	Bracket	12	Valve Body
3	Flat Key	13	Valve Seat Pressure Ring
4	Coupling Sleeve	14	Disc Spring
5	Fully Threaded Stud	15	Valve Seat Seal Ring
6	Hex Nut	16	Valve Seat Retainer
7	Spring Washer	17	Sphere
8	Gland Cover	18	Valve Seat Retainer
9	Gland Pressure Ring	19	Metal Spiral Wound Gasket
10	Packing	20	Right Valve Body



DBB Double Block and Bleed Ball Valve



	Designation	No	Designation
1	Valve Seat Retainer	18	Hex Nut
2	Metal Spiral Wound Gasket	19	Handle
3	Lip Seal Ring	20	Hex Nut
4	Valve Seat Seal Ring	21	Fully Threaded Stud
5	Lip Seal Ring	22	Gland Flange
6	Sphere	23	Hex Nut
7	Valve Body	24	Needle Valve
8	Valve Stem	25	Gland Bushing
9	Lock Plate	26	Packing
10	Dowel Pin	27	Gland Gasket
11	Thrust Washer	28	Thrust Washer
12	Lip Seal Ring	29	Valve Stem
13	Gland Gasket	30	Connecting Body
14	Packing Ring	31	Octagonal Ring
15	Disc Spring	32	Blank Flange
16	Handle	33	Fully Threaded Stud
17	Lock Washer	34	Hex Nut

