

YJZQ High Pressure Ball Valve

● Description

YJZQ manual high-pressure ball valve is a on/off control valve for hydraulic systems; it is intended for use only in fully open or fully closed positions, and throttling for regulation is not permitted. It comes in two types: the pipe-thread type (with N female threads or W male threads) and the plate type (B). It features a compact design with low flow resistance, enabling rapid 90° opening and closing. The valve consists of a valve body, a ball core, a valve stem, a handle, and sealing components.

● Technical Parameters

1. Pressure grade: The rated working pressure is 315 bar, instantaneous maximum withstand voltage 500 bar
2. Suitable media: Hydraulic mineral oil, water-ethylene glycol, emulsions
3. Media temperature: -20 ~ +80
4. Valve body: casted carbon steel (Stainless steel optional)
5. Seals material: PTFE, NBR, FKM

● Installation Specifications

Pipe-type: Clean the pipes of any impurities before installation to prevent damage to the sealing surfaces. The media can flow in both directions, with no restrictions on its flow direction. Space is provided for the handle to rotate, thereby avoiding interference from limits. Plate-type: The installation surface of the valve block is flat and free of burrs, and the O-ring seals are in good condition. The bolts should be tightened diagonally and in stages in a uniform manner, to prevent deformation of the valve body and resulting leaks.

● Application Scenarios

It is suitable for controlling the on/off operation of various high-pressure hydraulic circuits, and is widely used in hydraulic pump stations, construction machinery, forging machines, injection molding equipment, metallurgical and mining machinery, ship hydraulic systems, lifting platforms, hydraulic testing benches, and accumulator circuits. It supports installation using pipe threads as well as integrated valve block plate-mounted configurations.



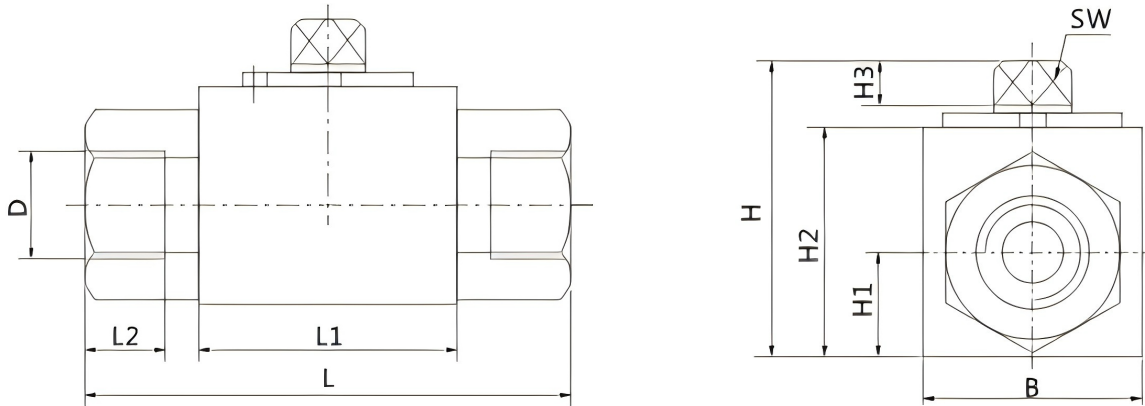


● Order Selection Table

	YJZQ	J	15	N	G1/2	A
High Pressure Ball Valve						
YJZQ						
Nominal Pressure						
J = 31.5 Mpa						
H = 20 Mpa						
Nominal Diameter						
10、 15、 20、 25、 32、 40、 50						
Connection Type						
N = Female Thread						
W = Male Thread						
B = Plate-Type						
Connection Dimensions						
Female thread:						
M18x1.5、 M22x1.5、 M27x2、 M33x2、 M42x2、 M48x2、 M64x2						
G3/8"、 G1/2"、 G3/4"、 G1"、 G1¼"、 G1½"、 G2"						
Rc3/8、 Rc1/2、 Rc3/4、 Rc1、 Rc1¼、 Rc1½、 Rc2						
Male Thread:						
M22x1.5、 M27x1.5、 M30x1.5、 M36x2、 M42x2、 M52x2、 M64x2、 M72x2						
Finish Treatment						
A = Plated Zinc						
ZN = Customized						

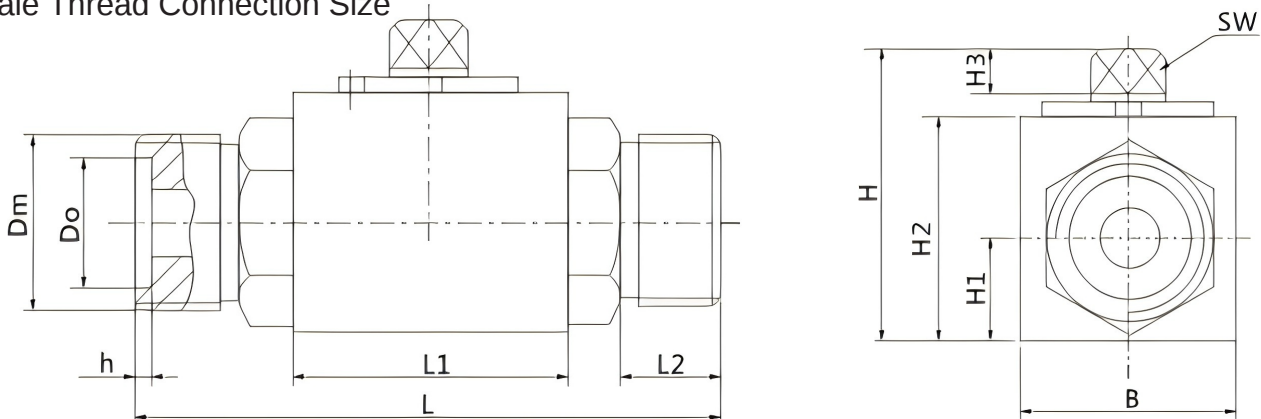
● Overall Dimensions

Female Thread Connection Size



Model	L	L1	L2	B	H	H1	H2	H3	D			SW
									N	G	ZG	
YJZQ J10N	72	43	14	32	52.5	17	40	8	M18x1.5	G3/8	Rc3/8	9
YJZQ J15N	83	49	16	37	52.5	17	43	8	M22x1.5	G1/2	Rc1/2	9
YJZQ J20N	104	61	18	48	75	24	54	12	M27x2	G3/4	Rc3/4	12
YJZQ J25N	113	66	20	55	82	28.5	61	12	M33x2	G1	Rc1	12
YJZQ J32N	110	73	22	64	95.5	34	70	14	M42x2	G1 1/4	Rc1 1/4	14
YJZQ J40N	130	94	24	80	110.5	40	88	14	M48x2	G1 1/2	Rc1 1/2	17
YJZQ J50N	140	100	26	100	130.5	50	110	14	M64x2	G2	Rc2	17

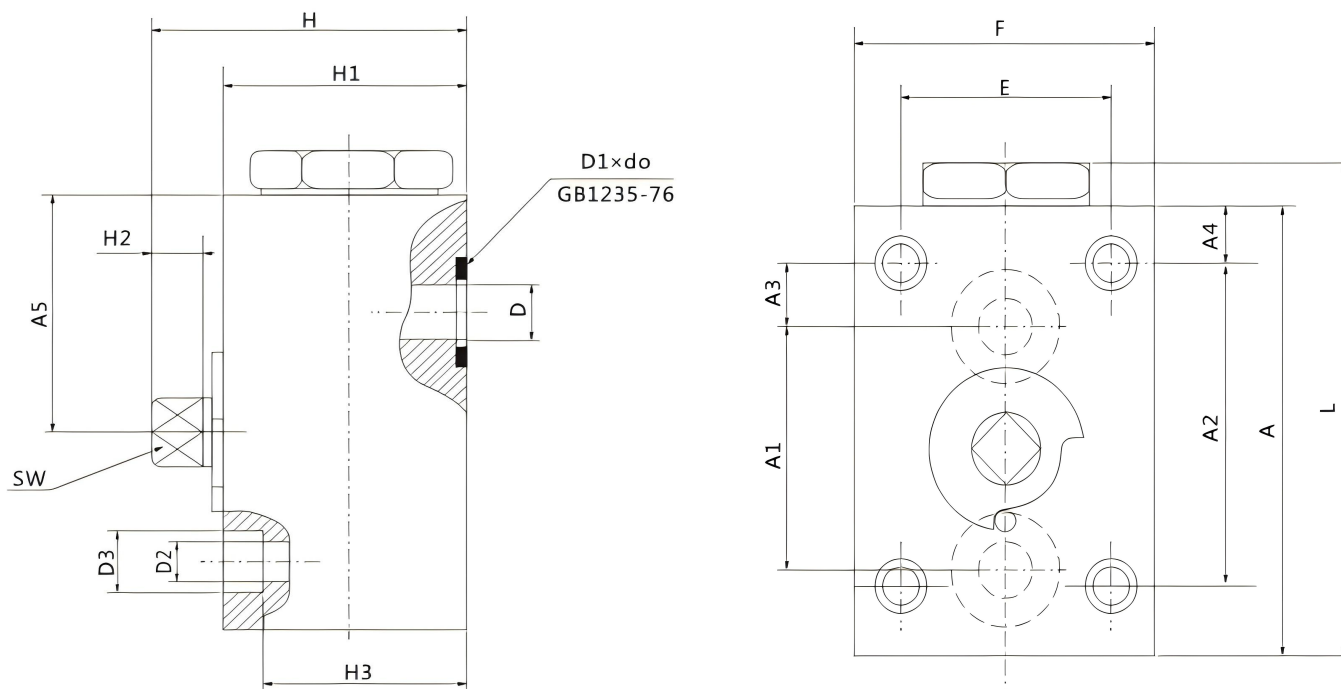
Male Thread Connection Size



Model	L	L1	L2	B	H	H1	H2	H3	H	Dm	Do	SW
	75	43	14	32	52.5	17	40	8	1.8	M22x1.5	16	9
YJZQ J10W	90	43	16	32	52.5	17	40	8	1.8	M27x1.5	20	9
YJZQ J15W	96	49	16	37	52.5	17	43	8	1.8	M30x1.5	24	9
YJZQ J20W	112	61	18	48	75	24	54	12	2.4	M36x2	30	12
YJZQ J25W	122	66	20	55	82	28.5	61	12	2.4	M42x2	35	12
YJZQ J32W	145	73	22	64	95.5	34	70	14	2.4	M52x2	40	14
YJZQ J40W	158	94	24	80	110.5	42	88	14	2.4	M64x2	50	17
YJZQ J50W	190	100	26	100	130.5	50	110	14	2.4	M72x2	60	17

Model	YJZQ J10W	YJZQ J15W	YJZQ J20W	YJZQ J25W	YJZQ J32W	YJZQ J40W	YJZQ J50W
Thread:JB981-77	M27x1.5	M30x1.5	M36x2	M42x2	M52x2	M64x2	M72x2
Connected Pipe:JB2099-77	18	22	28	34	42	50	63
O-ring Sealing	20x2.4	24x2.4	30x3.1	35x3.1	40x3.1	50x3.1	60x3.1

Plate Connection



Mode	D	D2	D3	E	F	L	A	A1	A2	A3	A4	A5	H	H1	H2	H3	D1xdo	SW
YJZQJ10B	9.5	7	11	38	54	86	78	45	56	11	10	45	54	42	8	35	16x2.4	9
YJZQJ15B	13	9	14	42	60	96	88	52	60	6	16	49.5	57	45	8	36	20x2.4	9
YJZQJ20B	18	11	17	50	70	115	105	60	70	7.5	17.5	57	72	55	11	44	30x2.4	12
YJZQJ25B	22	11	17	55	77	124	114	65	80	11	17	62.5	78	60	12	49	32x3.1	12
YJZQJ32B	30	13	19	75	100	164	152	90	120	19	16	81.5	96.5	76	14	63	40x3.1	14
YJZQJ40B	36	17	26	90	122	200	185	110	150	23	18	97	110.5	90	14	73	50x3.1	17