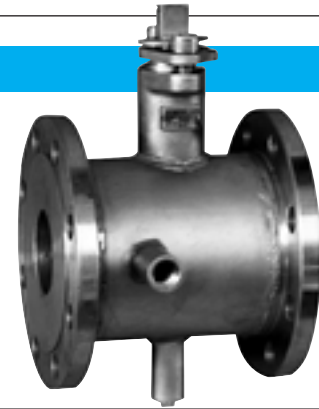


## 1-3 Jacketed Ball Valve: E100JNC

## Structure and Features

**Jacketed Ball Valve** contains a jacket that covers the body. The valve has space for flow media such as hot water, steam or water for heating or cooling the fluid and is suitable for high viscous or easily frozen fluid.



## Specification

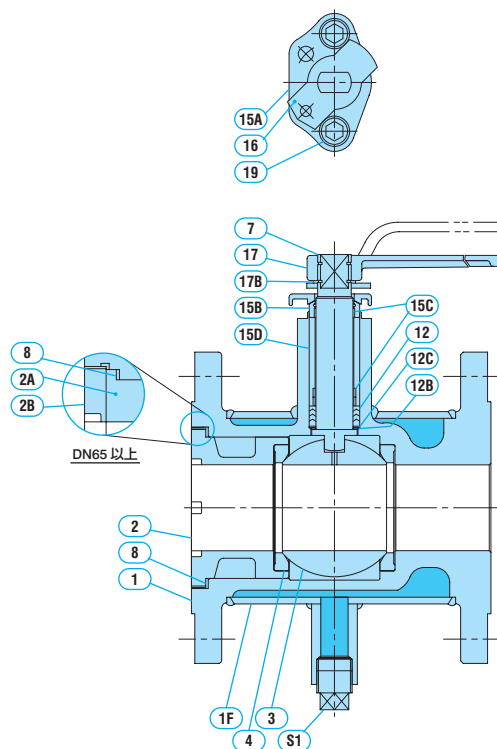
## E100JNC type | Full Port | Floating Ball Valve

<b>Nominal Size</b>	DN15 to 200	
<b>Connection</b>	Flange JIS10K, 20K (*1) Class (ASME, JPI) 150,300 (*2)	
<b>Body Material</b>	SCS14 (CF8M), SCS16A (CF3M) • Flange is oversized (refer to Dimension of E100JNC at page 17) • JIS20K, CL300 are available up to DN100.	
<b>Ball Material</b>	SCS14A (SUS316), SCS16A (SUS316L)	
<b>Seat Material</b>	NTF, NCF, NGR, CFM, CFMR, CFMO (refer to page 10)	
<b>Operation Type</b>	Lever, Gear, Pneumactical, Electrical	
<b>Jacket</b>	<b>Max. Pressure</b>	1.0MPa
	<b>Max. Temperature</b>	250°C
	<b>Connection</b>	2-Rp (Parallel pipe thread)
	<b>Discharge (Lower Plug)</b>	1-Rp (Parallel pipe thread)

The other special specifications are available upon request.

\*1: JIS B2220 \*2: ASME B16.5

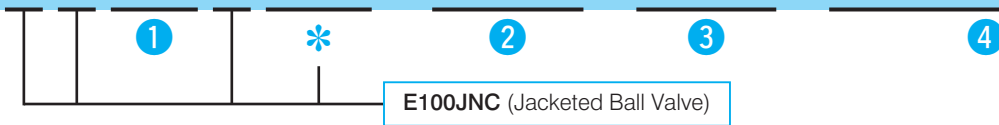
## Parts and Materials



Parts		Material	
		E112JNC	E113JNC
<b>1</b>	<b>Body</b>	SCS14A	SCS16A
<b>1F</b>	<b>Jacket</b>	SUS304TP or SUS304	
<b>2</b>	<b>Insert</b>	SCS14A	SCS16A
<b>2A</b>	<b>Insert</b>	SCS14A	SCS16A
<b>2B</b>	<b>Insert Ring (DN65-200)</b>	SCS14A	SCS16A
<b>3</b>	<b>Ball</b>	SCS14A or SUS316	SCS16A or SUS316L
<b>4</b>	<b>Seat</b>	NTF, NCF, CFM, etc.	
<b>7</b>	<b>Stem</b>	SUS316	SUS316L
<b>8</b>	<b>Gasket</b>	PTFE	
<b>12</b>	<b>Packing</b>	Reinforced PTFE	
<b>12B</b>	<b>Thrust Washer</b>	New-PTFE	
<b>12C</b>	<b>Washer</b>	SUS316	SUS316L
<b>15A</b>	<b>Gland Flange</b>	SCS13A	
<b>15B</b>	<b>Gland</b>	SUS304	
<b>15C</b>	<b>Bearing</b>	New-PTFE	
<b>15D</b>	<b>Spacer</b>	SUS304	
<b>16</b>	<b>Travel Stop</b>	SUS304	
<b>17</b>	<b>Lever</b>	SCPH2 (DN15 to 100)	
		SCPH2 & STK490 (DN125 to 200)	
<b>17B</b>	<b>Retaining Ring</b>	SUS304	
<b>19</b>	<b>Cap Screw</b>	SUS304	
<b>S1</b>	<b>Plug</b>	SUS304	

## Valve Codes

Valve Code for E100JNC

**E 1 1 2 J N C - N T F - 0 5 0 - J 1 0 K R F**

## ① Body Material

<b>12</b>	SCS14A
<b>13</b>	SCS16A

## ② Seat Material (Refer to Page 10)

NTF, NCF, NGR, CFM, CFMR

## ③ Nominal Size (DN or A)

Conforming to ISO6708 and JIS B2001

## ④ Connection

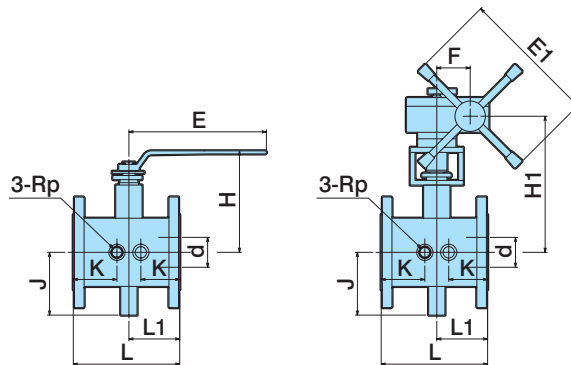
<b>J10KRF</b>	JIS 10KRF
<b>J20KRF</b>	JIS 20KRF
<b>A150RF</b>	ASME CL150
<b>A300RF</b>	ASME CL300

## \* Improvement Identification Code

<b>None</b>	Original Design
<b>N</b>	First Improvement
<b>NB</b>	Second Improvement
<b>NC</b>	Third Improvement
<b>ND</b>	Fourth Improvement

## Dimension

## E100JNC



Unit: mm

Nominal size DN							Lever Operated Valve		Gear Operated Valve			Connection Flange size DN	Mass (Approx. kg)		
	d	L	L1	K	J	Rp	H	E	H1	E1	F		Lever	Gear	
													10K CL150	10K CL150	
15	13	108	54	54	78	1/2	130	130	—	—	—	40	5.2	—	
20	19	117	58.5	58.5			134		—	—	—				
25	25	127	63.5	63.5	86		142	160	—	—	—	50	6.8	—	
40	38	165	82.5	60	99		160	230	—	—	—	65	11.2	—	
50	51	178	93	65	105		169		—	—	—	80	13.3	—	
65	64	190	100		118		188	350	—	—	—	100	20.0	—	
80	76	203	108	70	131		199		—	—	—	125	27.0	—	
100	102	229	119	75	148		210	450	314	240	62.5	150	43.0	57.0	
125	127	267	152	80	176		3/4	302	650	387	300	77	200	67.0	94.0
150	152	292		85	202			322		407				250	98.0
200	203	330	165	90	243	390		800	471	460	90.5	350	162.0	199.0	