

# Nivz Valves & Automation

## Full Jacketed Ball Valve

DRG. No.: FJK80

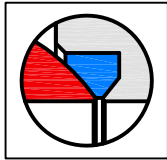
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Rev. No.

Suitable For Hot Oil, Therminol, Thermal Oil, Dowtherm and Steam Jacket

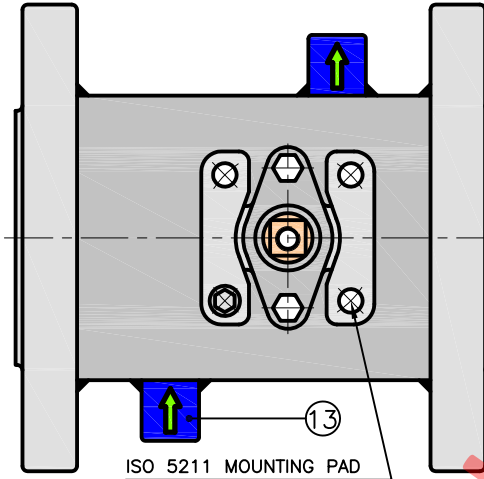
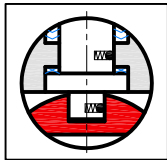
### Simply Automation Series

An ISO 5211 Mounting Pad for DIRECT MOUNTING of Actuator/Gear

#### FIRE SAFE DESIGN



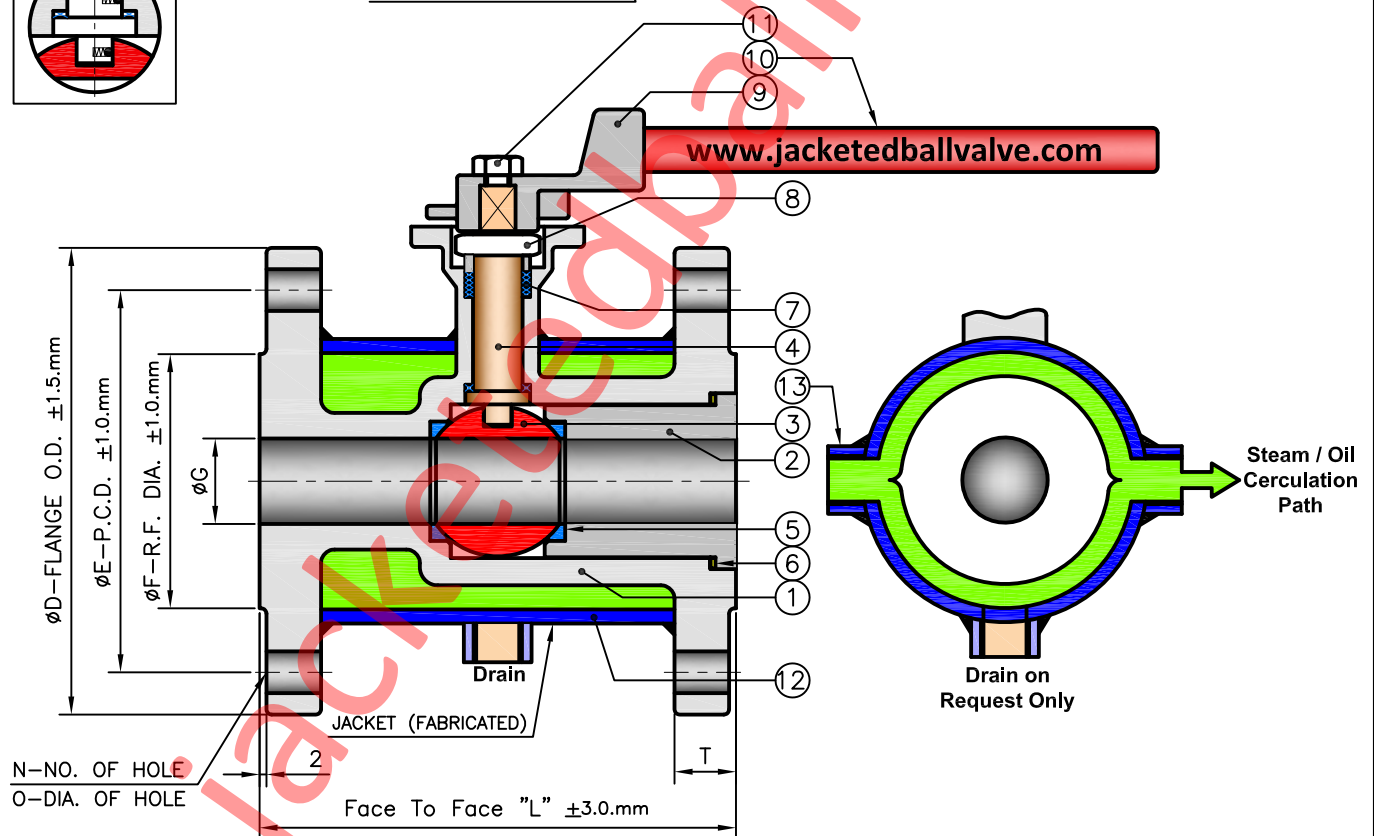
#### ANTISTATIC DEVICE



#### Application:-

- \* Food Industries (Chocolate, Sauce etc.)
- \* Bath Soap Manufacturing Plant
- \* Lactum Application/Chemical Process Line
- \* Industrial Molten Sulfur/Sulphur Media
- \* Fertilizer Industries
- \* Organic Chemical Manufacturing Plant
- \* High Viscous Process Media Application
- \* Bitumen/Asphalt/Coal tar/Pitch Pipe Line
- \* Chemical Manufacturing Industries
- \* Pharmaceutical Plant
- \* Plasticizers and Resin Industries
- \* Polymer Manufacturing Plant
- \* Paint Manufacturing Plant and Industries

[www.jacketedballvalve.com](http://www.jacketedballvalve.com)



#### Features

- \* Fire Safe Design
- \* Antistatic Device
- \* Blow-outproof Stem
- \* V-Seal Gland Packing
- \* Easy to Mount Actuator
- \* Low Operating Torque
- \* Leak Tight Stem Sealing
- \* Open/Close Locking Device
- \* Bolted Gland Tight Arrangement



VALVES & AUTOMATION  
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Client \_\_\_\_\_

Order / Enq. No. \_\_\_\_\_

Job / Project \_\_\_\_\_

Manufactured By : Nivz Valves & Automation, Ahmedabad, Gujarat, INDIA.

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Appd. \_\_\_\_\_

Chkd. \_\_\_\_\_

UBP \_\_\_\_\_

For Record

For Reference

For Approval

# Nivz Valves & Automation

## Full Jacketed Ball Valve

DRG. No.: FJK80

00

Rev. No.

### Simply Automation Series

Pressure Rating : 150 #  
 End Connection : Flanged End, RF  
 Flange Drilling : As Per ANSI B 16.5, Class 150  
 Face To Face : As Per ANSI B 16.10  
 Operation : Manual Hand Lever Operated  
 With Locking Device At  
 Open/Close Position  
 Jacket Connection : Size 1/2" BSP/NPT up to 80x100  
 Size 1" BSP/NPT from 150x250  
 Flanged End Connection on Request

#### Nomenclature:-

NO.	PART NAME	MATERIAL
1	Body	A 216 GR. WCB A 351 GR. CF8/CF8M/CF3/CF 3M
2	Insert	(Investment Casting - Lost Wax Process)
3	Ball (SOLID)	ASTM A 182 F 304/316/304L/316L/ TUNGSTEN CARBIDE COATED (TCC)
4	Stem	A 276 T-304/316/304L/316L/STELLITE 6
5	Ball Seat	P.T.F.E.(VIRGIN)/GFT/CFT/SS+TCC COATED
6	Body Seal	P.T.F.E.(VIRGIN)/GFT/CFT/GRAPHITE
7	Gland Packing	P.T.F.E.(VIRGIN)/GFT/CFT/GRAPHITE
8	Gland Flange	A 351 GR. CF8/CF8M/CF3/CF 3M
9	Hand Lever Socket	ASTM A 216 GR. WCB (Carbon Steel)
10	Hand Lever Pipe	ASTM A 106 GR. B (Carbon Steel)
11	Lever Fitting Bolt	S.S. 202/304/316
12	Jacket	CARBON STEEL/S.S. 304/316/304L/316L
13	Coupling	FORGED C.S./S.S. 304/316



Open/Close Locking Arrangement



Ready To Mount Actuator

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Design Standard : BS EN ISO 17292 / ASME B 16.34

Dimensions [150 Class]

Size	mm	40x15	40x20	50x25	65x40	80x50	100x65	100x80	150x100	250x150
Inch		1-1/2"x1/2"	1-1/2"x3/4"	2"x1"	2-1/2"x1-1/2"	3"x2"	4"x2-1/2"	4"x3"	6"x4"	10"x6"
L		165	165	178	190.5	203	229	229	267	292.1
G		12.5	19	25	38	50	63	75	100	150
Drilling Details	ØD	127.0	127.0	152.4	177.8	190.5	228.6	228.6	279.0	406.4
	ØE	98.5	98.5	120.6	139.7	152.4	190.5	190.5	241.3	361.9
	ØF	73.0	73.0	92.1	104.7	127.0	157.2	157.2	215.9	323.8
	N	4	4	4	4	4	8	8	8	12
	ØO	15.8	15.8	19	19	19	19	19	22	25.4
T		14.3	14.3	15.8	17.7	19	23.8	23.8	25.4	30.2
ISO 5211 P.C.D.		F-05	F-05	F-05	F-07	F-07	F-07	F-10	F-10	F-12
		50	50	50	70	70	70	102	102	125

All Dimensions Are In mm

Testing Standard : BS EN 12266 I

Test	Hydrostatic			Air		
	Pr. Rating	150#				
Body	425	29.3	30			
Seat	300	20.7	21	80	5.5	5.6
Jacket Test	145	9.8	10			



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