

# Steam jacketed (PN 10) Ball Valves PN 16/40 Stainless Steel Construction

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JACKETED BODY AND CONNECTOR

WEAR-RESISTANT SEATS

COMPACT DESIGN

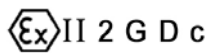
EASY TO INSULATE



## Fig. 553 - IIS

### DIN 3357

Manufacturing program:



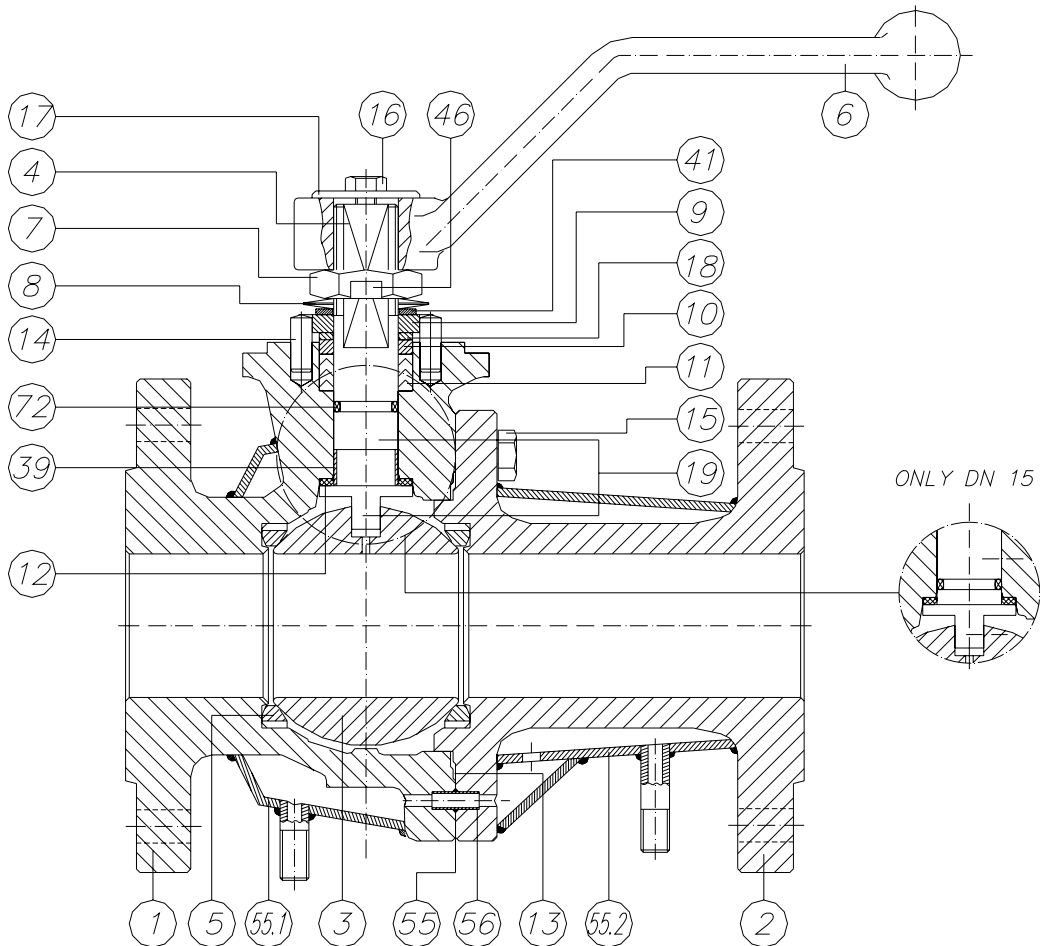
Quality & Environmental Management:



Comercial de Válvulas y Accesorios, S.A.  
Polígono Industrial Polizur, Calle Bosc Tancat, 6 Nave 2 y 3  
08290 Cerdanyola del valles ( Barcelona) – Spain Tel. 34 93 586 36 00 Fax 34 93 586 36 04  
e-mail: [info@cva.es](mailto:info@cva.es)  
URL: [www.jlx-valve.com](http://www.jlx-valve.com)

Remarks: The dimensions of this catalogue are for reference only and it can change without previous notice

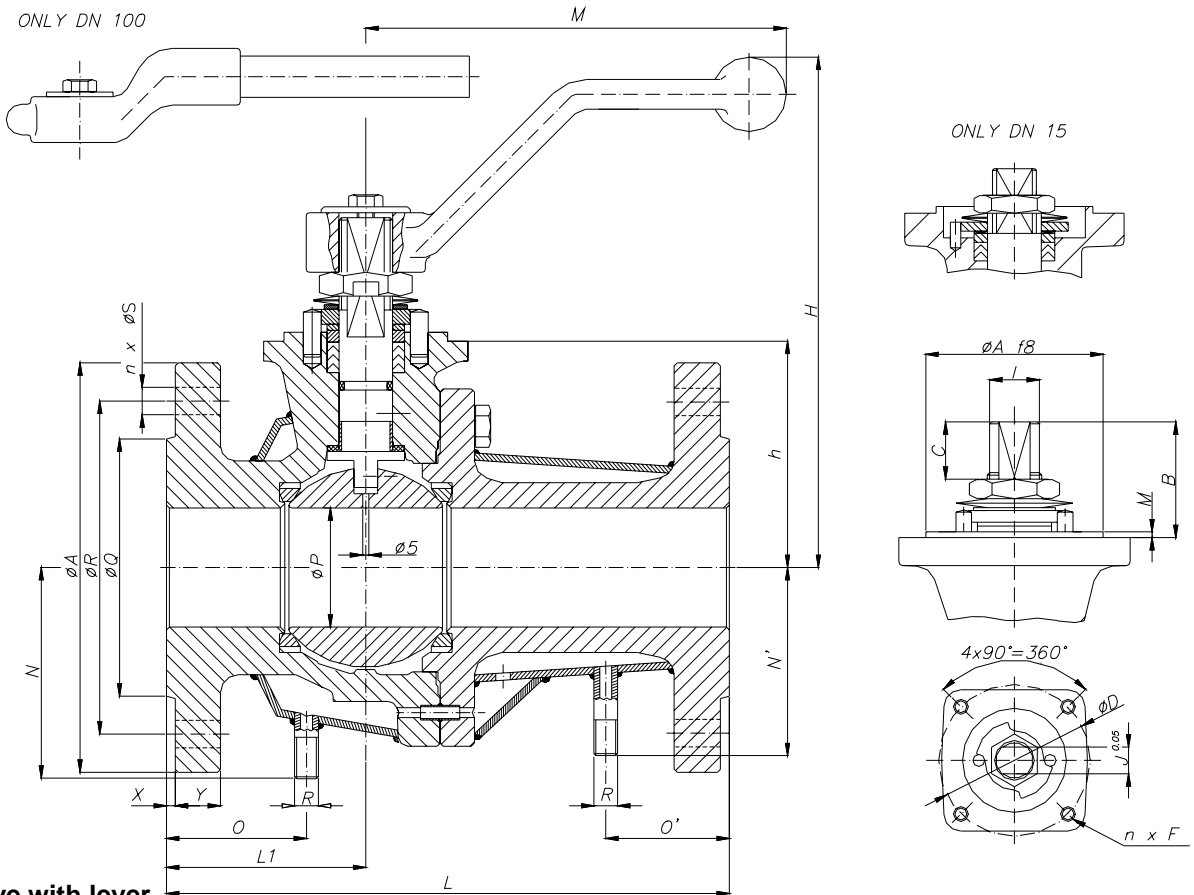
# Steam jacketed (PN 10) Ball Valves PN 16/40 Floating Type Parts and materials



Item	Description	Material	Item	Description	Material
1	Body	1.4408	15	Bolt	DIN 912 A4-70
2	Body connector	1.4408	16	Bolt	DIN 933 A2
3	Ball	DN 15 - 25: A276/479 Tp.316 DN 40-100: A351 Gr. CF8M	17	Washer	AISI 304
4	Stem	A 276/479 Tp.316	18	Thrust washer	25% G.F. PTFE
5	Seat ring	STANSIT	19	Antistatic device	Stainless St.
6	Wrench	Nodular Iron	39	Stem bushing	25% G.F. PTFE
7	Gland nut	AISI 303	41	Spacer	Stainless St.
8	Disk spring	E.N.P. Carbon St.	46	Washer	AISI 304
9	Stop plate	AISI 304	55	Gasket	STANSIT
10	Gland	AISI 316	55.1	Jacket Body	AISI 316L
11	Gland packing	PTFE	55.2	Jacket Connector	AISI 316L
12	Stem thrust seal	STANSIT	56	Sleeve	AISI 316
13	Body connector seal	STANSIT	72	"O" Ring	FKM
14	Stop pin	Stainless St	89	Identification plate	Stainless St.



# Steam jacketed (PN 10) Ball Valves PN 16/40 Floating Type Dimensions



Valve with lever

DN	ØP	L	L1	ØA	ØR	ØQ	n x ØS	X	Y	O / O'	N / N'	R	h	H	M	WEIGHT
15	15	130	53	95	65	45	4 x Ø14	2	14	39,3 / 33,3	45	1/4" DIN 2999	46	112	166	3,2
25	25	160	52	115	85	68	4 x Ø14	2	16	41,3 / 36,3	55	1/4" DIN 2999	58	131,8	166	5,4
40	40	200	55	150	110	88	4 x Ø18	3	15	48 / 38,3	85 / 75	1/4" DIN 2999	76	193,3	213,8	10
50	50	230	61	165	125	102	4 x Ø18	3	17	49 / 40,3	90	1/4" DIN 2999	83,5	200,8	213,8	13,5
80	80	310	81,5	200	160	138	8 x Ø18	3	17	64,5 / 50	105	1/4" DIN 2999	111	235	450	25
100	100	350	90	220	180	158	8 x Ø18	3	17	61 / 70	124	1/4" DIN 2999	133	226,4	465	38

## Free stem dimensions

DN	ISO 5211	ØA	B	C	ØD	n x F	M	I	J
15	F05	35	11,5	5,7	50	4xM6	1.5	M12x1.5	9
25	F05	35	24	10,2	50	4xM6	1.5	M12x1.5	9
40	F07	55	39,5	16,2	70	4xM8	3	M18x1.5	13
50	F07	55	41,5	18,2	70	4xM8	3	M18x1.5	13
80	F10	70	44,5	18,7	102	4xM10	3	M25x1.5	18
100	F10	70	56,5	28,5	102	4xM10	3	M28x1.5	20



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# Steam jacketed (PN 10) Ball Valves PN 16/40 Floating Type General Characteristics, Torque&KV , P&T Rating

GENERAL CHARACTERISTICS	Fig.553 Series <b>SFF</b>	<b>Split Body</b>	<b>Floating Ball</b>	<b>Full Bore</b>
<b>DESIGN STANDARDS</b>				
Valves design	DIN 3357	EN 1983		
Body design	DIN 3840			
Shell thickness	BS 5351			
Flanges	DIN 2501	EN 1092-1		
Face to face dimensions	EN 558-1 Series 1	DIN 3202 F1		
Actuator mounting flange	ISO 5211	DIN 3337		
Shell finishing quality	MSS SP 55			
Marking	BS 5351	EN 19	CE-PED	
<b>TESTS AND CERTIFICATES</b>				
Quality Assurance	ISO 9001	CE-PED		
Pressure testing	DIN 3230	BS 6755 Part 1	EN 12266	NF E 29-203
Other	ISO 14001	ATEX		

## Torque Values in Nm

VALVE SIZE	AT DIFFERENTIAL PRESSURE		VALVE SIZE	AT DIFFERENTIAL PRESSURE	
	16 bar	40 bar		16 bar	40 bar
DN 15	9,6	12	DN 50	40	60
DN 25	14	20	DN 80	120	---
DN 40	20	30	DN 100	180	---

## Kv Values in m<sup>3</sup>/h

DN 15	DN 25	DN 40	DN 50	DN 80	DN 100
20	75	170	270	1000	1650

## Pressure-Temperature

