

Data sheet

Ball Valves JIP (PN 16, 25, 40)

Description



Danfoss JIP ball valves are shut off valves developed for District Heating and District Cooling networks, with circulating medium.

It is a range of steel ball valves with fully welded body.

The valve design makes them ideal for building installation due to:

- the valve body design makes them resistant to high axial forces and ensures a controlled operating torque;
- designed flow in the valve is optimized. This means increased capacity, reduced flow resistance and thus lower pump energy cost;
- optimal tightness and long lifetime due to design and material selection in ball seal and stem seal (Carbon reinforced PTFE);
- the valves are maintenance free, besides the shut off valves in the core distribution network Danfoss offers a range of supplementary valves, e.g. hot tap valves, branching valves, house insertions and twin valves.

Main data:

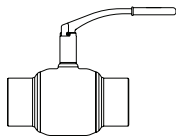
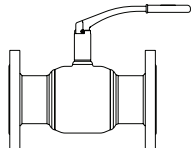
- DN 15-600
- $k_{vs} = 11-26300 \text{ m}^3/\text{h}$
- PN 16, 25, 40
- Temperature: 0 ... 180 °C
- Medium: Circulation water / glycolic water up to 50 %
- Min. storage and transport temperature: -40 °C

Approvals and norms:

- 100 % final inspection. Leak and shell test as well as dimension and functionality test is performed on each and every valve according to applicable standard (EN 12266 part 1 P10-P11-P12 & part 2 F20).
- PED Directive 97/23/EEC Modul H1
- Danfoss A/S is certified according to ISO 9001
- Furthermore certified according to ISO 14001 and OHSAS 18001.

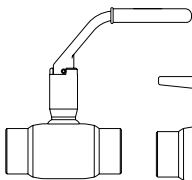
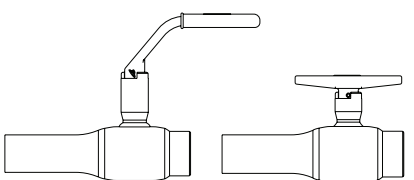
Ordering

JIP-WW welding
JIP-FF flange

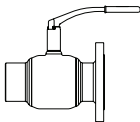
						
Code No.						
DN [mm]	WW PN 25	WW PN 40	DN [mm]	FF PN 16	FF PN 25	FF PN 40
15	X	065N0100	15	-	X	065N0300
20		065N0105	20	-		065N0305
25		065N0110	25	-		065N0310
32		065N0115	32	-		065N0315
40		065N0120	40	-		065N0320
50		065N0125	50	-		065N0325
65	065N4280	X	65	065N4282	065N4281	X
80	065N4285		80	065N4287	065N4286	
100	065N0140		100	065N0240	065N0340	
125	065N0745		125	065N0845	065N0945	
150	065N0750		150	065N0850	065N0950	
200	065N0755		200	065N0855	065N0955	

DN [mm]	Code No. WW PN 25		Code No. FF PN 16		Code No. FF PN 25	
	Valve with worm gear	Valve with gear flange	Valve with worm gear	Valve with gear flange	Valve with worm gear	Valve with gear flange
65	065N0134	065N0132	065N0223	065N0232	065N0331	065N0332
80	065N0139	065N0137	065N0236	065N0237	065N0336	065N0337
100	065N0144	065N0142	065N0243	065N0242	065N0341	065N0342
125	065N0146	065N0147	065N0246	065N0247	065N0346	065N0347
150	065N0151	065N0152	065N0251	065N0252	065N0351	065N0352
200	065N0156	065N0157	065N0256	065N0257	065N0356	065N0357
250	065N0161	065N0162	065N0261	065N0262	065N0361	065N0362
300	065N0166	065N0167	065N0266	065N0267	065N0366	065N0367
350	065N0171	065N0172	065N0271	065N0272	065N0371	065N0372
400	065N0176	065N0177	065N0276	065N0277	065N0376	065N0377
450	065N0178	065N0179	065N0278	065N0279	065N0378	065N0379
500	065N0181	065N0182	065N0281	065N0282	065N0381	065N0382
600	065N0186	065N0187				

JIP-II internal thread
JIP-IW internal thread/welding

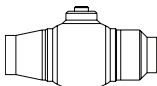
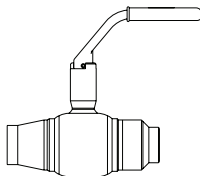
					
Code No. II PN 40			Code No. IW PN 40		
DN [mm]	L-handle high stem	T-handle low stem	DN [mm]	L-handle high stem	T-handle low stem
15	065N0800	065N0802	15	065N0900	065N0904
20	065N0805	065N0807	20	065N0905	065N0908
25	065N0810	065N0812	25	065N0910	065N0914
32	065N0815	X	32	065N0915	X
40	065N0820		40	065N0920	
50	065N0825		50	065N0925	

Ordering
JIP-FW flange/welding

			
	Code No.		
DN [mm]	PN 16	PN 25	PN 40
15	See table to the right		065N0700
20			065N0705
25			065N0710
32			065N0715
40			065N0720
50			065N0725
65	065N4284	065N4283	X
80	065N4289	065N4288	
100	065N0540	065N0640	
125	065N0960	065N0975	
150	065N0965	065N0980	
200	065N0970	065N0985	

	Code No.			
	PN 16		PN 25	
DN [mm]	Valve with worm gear	Valve with gear flange	Valve with worm gear	Valve with gear flange
150	065N0551	065N0552	065N0651	065N0652
200	065N0556	065N0557	065N0656	065N0657
250	065N0561	065N0562	065N0661	065N0662
300	065N0566	065N0567	065N0666	065N0667
350	065N0571	065N0572	065N0671	065N0672
400	065N0576	065N0577	065N0676	065N0677
450	065N0578	065N0579	065N0678	065N0679
500	065N0581	065N0582	065N0681	065N0682

*Hot tap valves
JIP-WW welding*

			
	Code No.		
	Valve	Valve with handle	
DN [mm]	PN 40		
20	065N0106	065N4008	
25	065N0111	065N4042	
32	065N0116	065N4009	
40	065N0121	065N4010	
50	065N0126	065N4011	
	PN 25		
65	065N0131	065N4129	
80	065N0136	065N1432	
100	065N0141	065N0143	

Note: we recommend seal welding for plugs of hot tap and branching valves after final assembly of buried pipe systems in order to achieve fully welded system within the insulation.

Ordering

Branching valves
JIP-WW welding
JIP-IW internal thread/welding

		Code No.			
DN [mm]	WW PN 25	WW PN 40		IW PN 40	
15	X	065N2102		-	
20		065N2107		065N2108	
25		065N2112		065N2113	
32		065N2117		065N2118	
40		065N2122		065N2123	
50		065N2127		065N2128	
65	065N2132	X		X	
80	065N2137				
100	065N2142				
125	065N2147				
150	065N2152				
200	065N2157				

Note: we recommend seal welding for plugs of hot tap and branching valves after final assembly of buried pipe systems in order to achieve fully welded system within the insulation.

House insertions
Single valve
JIP-CC copper
JIP-WC welding / copper
JIP-IC internal thread /copper
Max temp. 130°

		Code No.					
DN [mm]	CC PN 10	CC PN 16	DN [mm]	WC PN 10	WC PN 16	IC PN 16	
15	See table PN16 to the right	065N4058	15	See table PN16 to the right	065N4060	065N4057	
20		065N4067	20		065N4063	065N4064	
25		065N4095	25		065N4084	065N4087	
32		065N4114	32		065N4107	065N4108	
40		065N4118	40		065N4117		
50	065N4124	-	50	065N4122	-		X

House insertions
Twin valve - single pipe
JIP-CC copper L or T handle
JIP-IC internal thread / copper
Max temp. 130°

		Code No.					
DN [mm]	CC PN 16 with L-handle	CC PN 16 with T-handle		IC PN 16 with T-handle			
15	065N4201	065N4055		065N4195			
20	065N4062	065N4076		065N4071			
25	065N4020	065N4100		065N4204			
32	065N4106	-		-			

Data sheet
Ball valves
Ordering

House insertions
Twin valves, single pipe,
T-handle (DN 15-25) or
L-handle (DN 32-50)
JIP- WW welding
JIP-II internal thread
JIP IW internal thread / welding

	Code No.		
DN [mm]	WW PN 40	II PN 40	IW PN 40
15	065N4001	065N0801	065N0901
20	065N4002	065N0806	065N0906
25	065N4003	065N0811	065N0911
32	065N4004	065N0816	065N0916
40	065N4005	065N0821	065N0921
50	065N2130	065N0826	065N0926

House insertions
Twin valves, double pipe, 45°
T-handle
JIP-IW internal tread / welding
JIP-II internal thread

	Code No.	
DN [mm]	IW PN 40	II PN 40
15	065N7032	065N7022
20	065N7034	065N7024
25	065N7036	065N7026

Special valves:
JIP-DD detachable ends
JIP-WE cc welding/external
thread with closing cap

	Code No.		
DN [mm]	DD PN 25	WE PN 40-hex vers.	WE PN 40-L-handle
15	065N4033	065N4322	065N4422
20	065N4034	065N4323	065N4423
25	065N4092	065N4324	065N4424
32	065N4035	065N4325	X
40	065N4036	065N4326	
50	065N4037	065N4327	

Actuators

DN [mm]	Code No.	
	Auma NORM	Auma MATIC
65-80	065N8199	065N8399
100	065N8200	065N8400
125-150	065N8205	065N8405
200	065N8215	065N8415
250	065N8220	065N8420
300-350	065N8225	065N8425
400	065N8235	065N8435
450-500-600	065N8240	065N8440

Worm gear

Description	Worm gear	Position indicator with end switch
Worm gear for DN 80-100 reduced	065N8100	065N8073
Worm gear for DN 125-150-200 reduced	065N8115	065N8074
Worm gear for DN 250 reduced	065N8120	065N8077
Worm gear for DN 300-350 reduced	065N8125	065N8082
Worm gear for DN 400 reduced	065N8135	065N8113
Worm gear for DN 450-500-600 reduced	065N8140	065N8136
End switch for end position indication IP 65 250 V ac/5 A. 110 V ac / 5A. 24 V dc / 3 A. Temperature range: -15 °C to +80 °C. Gear and end switches must be ordered on separate code nos. and will be mounted from factory. If there is a demand for end switches on existing ball valves, please contact your Danfoss sales representative.		

Accessories

Replacement handles		
Type of handle	Fixation	Code No.
T Alu. DN 15-25	spring pin	065N8255
L Alu. DN 15-32 with plastic grip	spring pin	065N8256
L Alu. DN 40-50 with plastic grip	spring pin	065N8257
L Alu. DN 65 with plastic grip	spring pin	065N8258
L Alu. DN 80-100 with plastic grip	spring pin	065N8259
L Steel angled DN 125/150 with plastic grip for hex 27 stem	screw	on request
L Steel angled DN 200 with plastic grip for hex 27 stem	screw	065N8001
L Steel angled DN 125 with plastic grip for Ø24 stem	spring pin	065N8260
L Steel angled DN 150 with plastic grip for Ø27 stem	spring pin	065N8261

Marking knobs for alu handle (red/blue)	
Handles	Code No.
Red button for alu. handles (bag with 100 pieces)	065N8303
Blue button for alu. handles (bag with 100 pieces)	065N8304

Data sheet
Ball valves
Hot tap tool box

Description	Code No.
Hot tap tool box DN 15-50 with feeding tool	065N8310
Hot tap tool box DN 15-50 without feeding tool	065N8311
Hot tap tool box DN 65-100	065N8312
Stream / hot water hose 5 m	065N8244

Accessories for hot tap tool box

Description	Code No.
O-ring set 15-50	065N8101
O-ring set 65-100	065N8112
Center drill 6.35 mm with barb	065N8016
Feeding tool	065N8103
Handle for feed tool	065N8109
Hot tapping tool	065N8130
Reduction gear 1:7 (65-100)	065N8102

Drills and hole saws for hot tap tool box

Valve size		Hole saw, drill rod, retainer complete	Hole saw	Adapter for hot tap valves
DN 20	(Ø15)	Drill incl. drill rod: 065N8006		065N8080
DN 25/32	(Ø24)	065N8008	065N8012	065N8087
DN 40/50	(Ø40)	065N8010	065N8013	065N8005
DN 65	(Ø48)	065N8172	065N8093	065N8091
DN 80	(Ø65)	065N8192	065N8014	065N8094
DN 100	(Ø79)	065N8193	065N8097	065N8095

Technical data

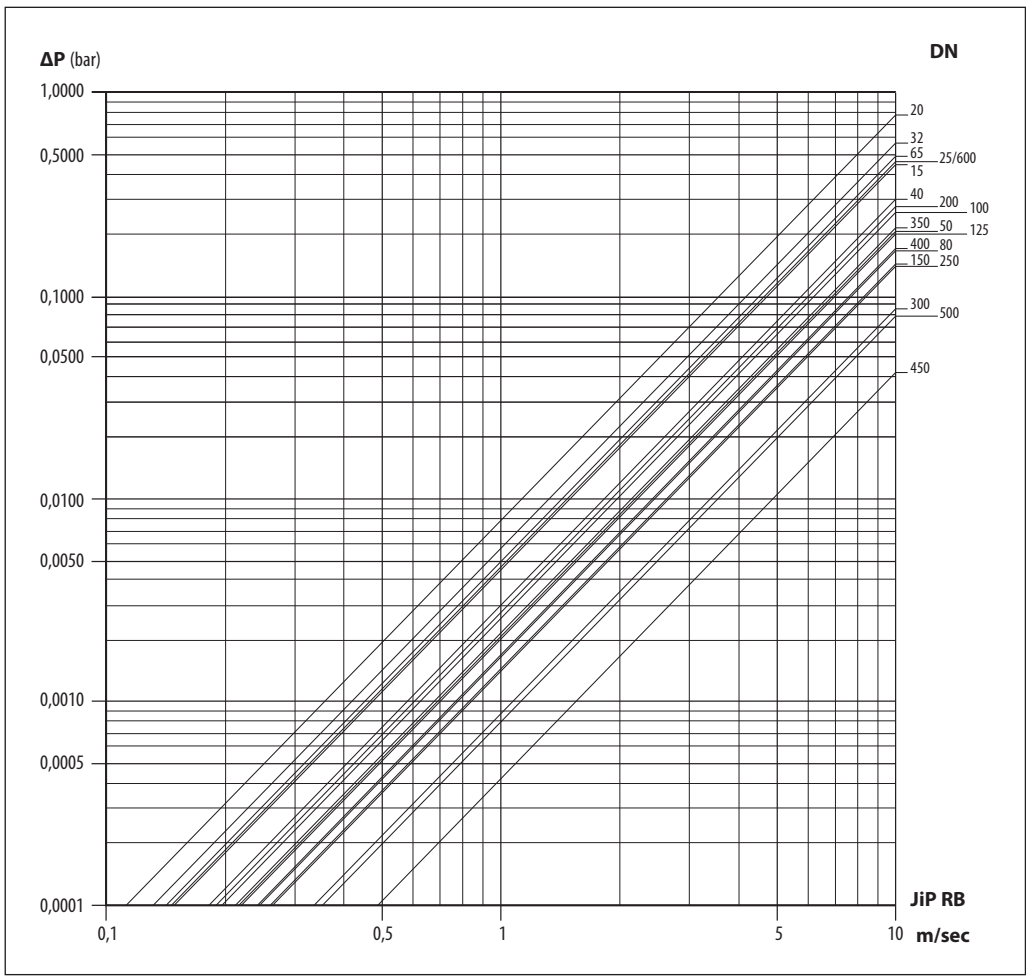
DN [mm]	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
K _{vs} [m ³ /h]	11	15	34	52	96	184	200	470	640	1080	1900	2300	5100	9100	7000	10400	26300	23700	14300
PN	16/ 25/ 40																		
Temp range	0-180 °C																		
Medium	Circulation water / glycolic water up to 50 %																		

Material

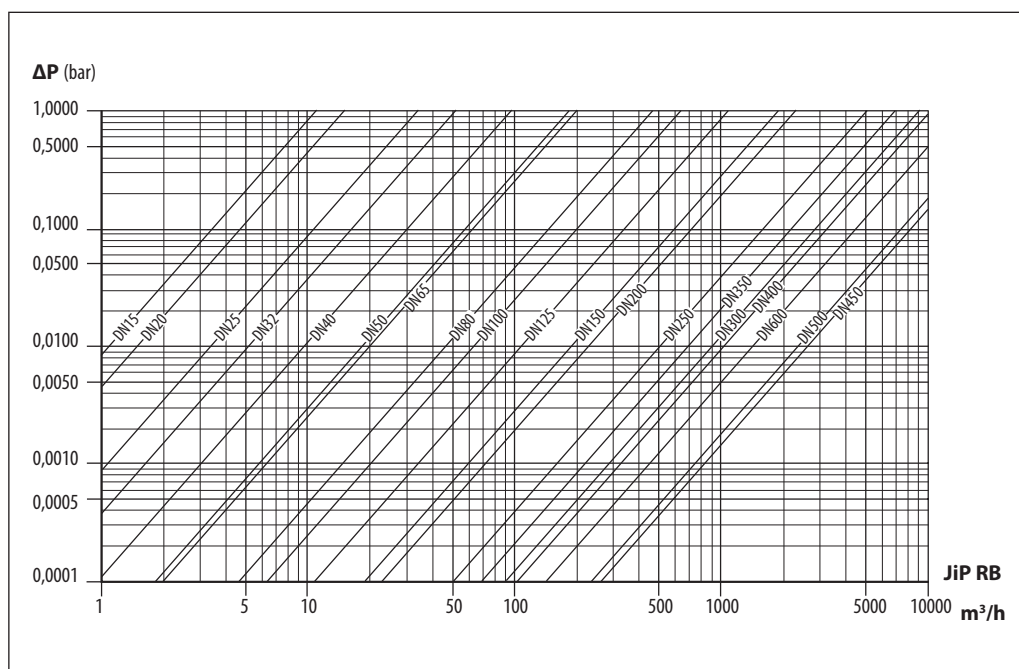
Shell (Valve body)	Weldable steel* e.g. P235GH / Mat. no. 1.0345
Stem	Stainless steel e.g. X2CrNi19-11 (EN10272) / Mat. no. 1.4306
Ball	Stainless steel e.g. X5CrNi18-10 (EN10088) / Mat. no. 1.4301
Seat rings	Carbon reinforced PTFE
Steam sealings	Carbon reinforced PTFE
Gear box	Cast iron with stainless steel trim
Flanges	EN1092-1 Mat Nr. 3E0 e.g. P245GH / Mat. no. 1.0352

*) Meeting the requirements of the PED.

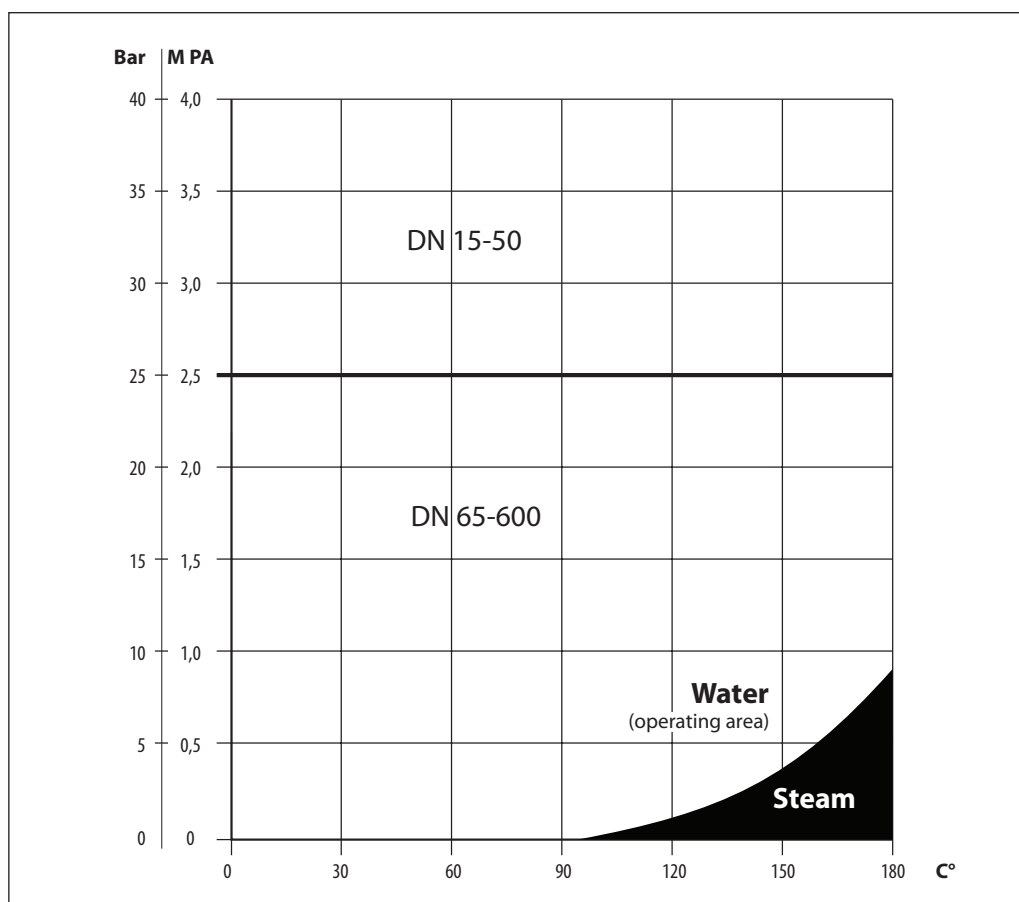
Technical data
Pressure drop/velocity



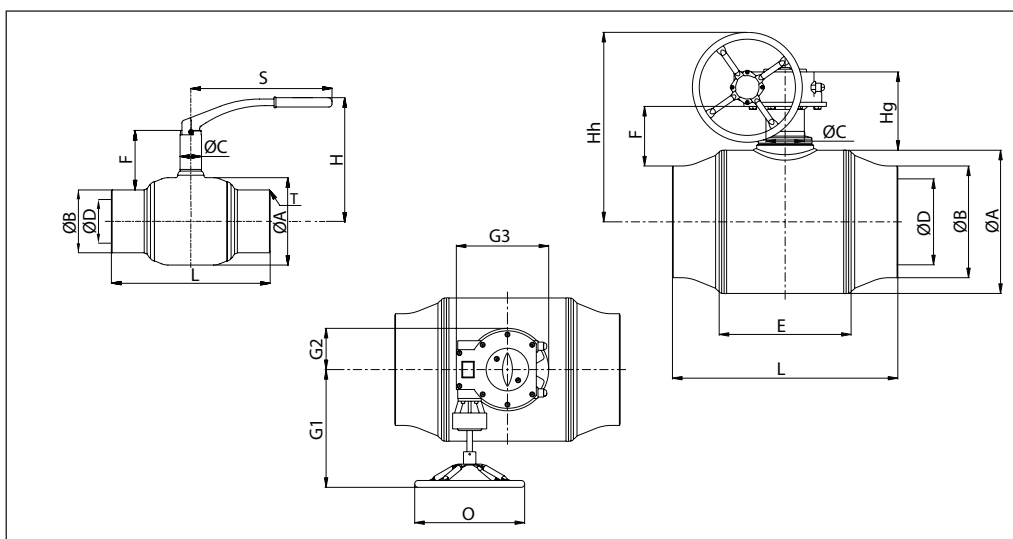
Technical data
Pressure drop/flow



Pressure/temperature



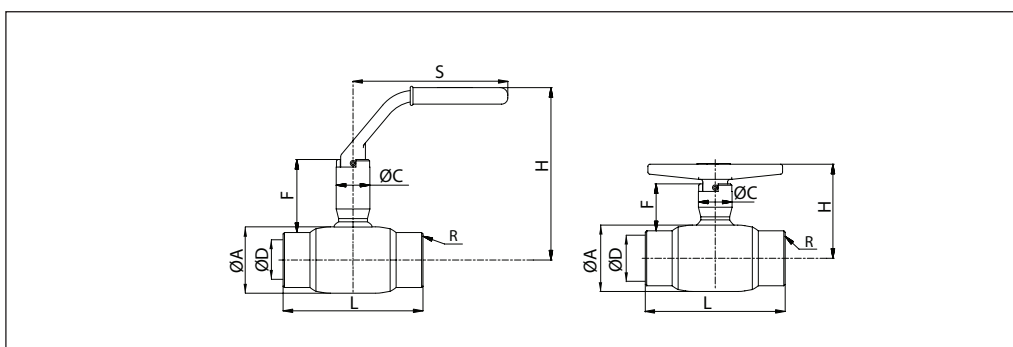
Dimensions
JIP-WW welding/
welding



DN [mm]	ØA	T	ØB	ØD	L	H	Hh	Hg	E	F	ØC	S	O	G1	G2	G3	kg
PN 40																	
15	42.4	2.6	21.3	15	230	125	-	-	-	61	25	115	-	-	-	-	1.0
20	42.4		26.9	15	230	125	-	-	-	58	25	115	-	-	-	-	1.0
25	48.3		33.7	20	230	125	-	-	-	56	25	115	-	-	-	-	1.2
32	60.3		42.4	25	260	130	-	-	-	56	25	115	-	-	-	-	1.5
40	76.1	2.9	48.3	32	260	140	-	-	-	54	35	157	-	-	-	-	2.3
50	76.1		60.3	40	300	145	-	-	-	54	35	157	-	-	-	-	2.8
PN 25																	
65	102	2.9	76.1	50	260	160	255	150	97	73	35	205	150	163	63	137	3.8
80	127	3.2	88.9	65	270	190	288	138	110	88	39	257	200	215	56	140	5.6
100	159	3.6	114.3	80	290	225	301	146	145	108	39	257	200	215	56	140	8.6
125	194	4	139.7	100	315	250	345	175	165	109	44	355	200	260	75	190	14
150	219	4.5	168.3	125	340	285	365	186	205	109	49	505	200	260	75	190	24
200	273	6.3	219.1	150	390	315	390	180	245	118	60	650	200	260	75	190	44
250	356	6.3	273.0	200	530	-	585	242	340	181	88	-	400	330	100	245	122
300	457	8	323.9	250	660	-	635	261	400	199	100	-	400	400	141	330	221
350	457	8	355.6	250	760	-	635	261	400	183	100	-	400	400	141	330	228
400	521	8.8	406.4	300	820	-	690	287	480	217	140	-	400	430	150	336	361
450	711	10	457.0	400	1.225	-	855	304	690	297	168	-	500	460	188	410	828
500	711	11	508.0	400	1.220	-	855	304	690	272	168	-	500	460	188	410	835
600	711	12.5	610.0	400	1.500	-	855	304	695	221	168	-	500	460	188	410	885

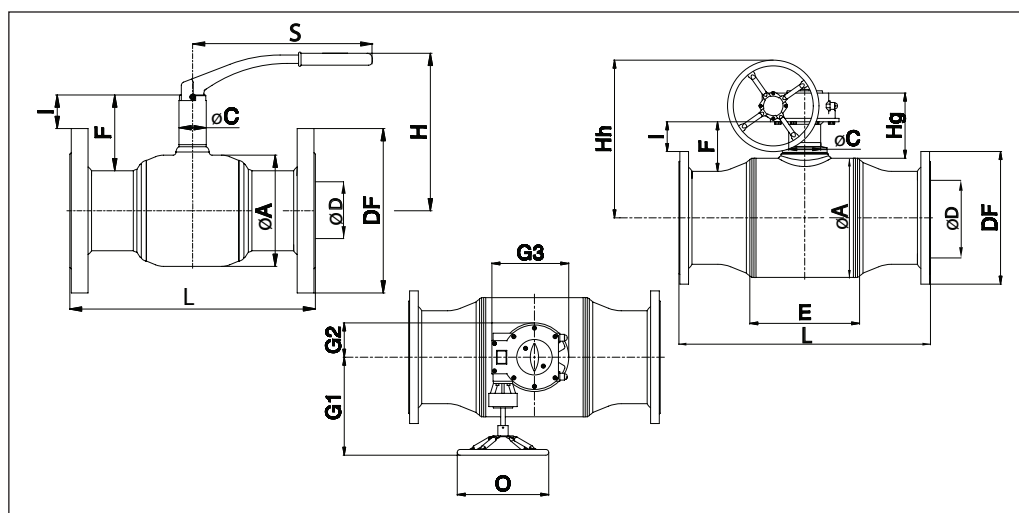
Weights are based on PN 40/25 versions. DN 250 - DN 600: Dimensions and weights are PN 25 and including worm gear.

JIP-II internal thread



DN [mm]	ØA	R	ØD	L	H low	F low	H high	F high	ØC	S	kg
15	42.4	½"	15	90	65	35	125	55	25	115	0.6
20	42.4	¾"	15	90	65	35	125	55	25	115	0.8
25	48.3	1"	20	100	70	35	125	55	25	115	0.9
32	60.3	1 ¼"	25	105	-	-	130	55	25	115	1.2
40	76.1	1 ½"	32	130	-	-	170	80	35	157	2.2
50	88.9	2"	40	150	-	-	175	80	35	157	3.3

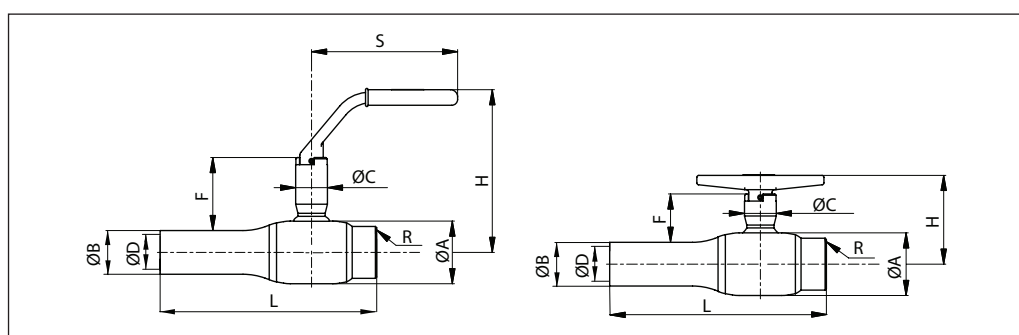
JIP-FF flange/flange



DN [mm]	ØA	ØD*	PN 16			PN 40			H	Hh	Hg	E	F	ØC	S	O	G1	G2	G3	kg
			L	DF	I	L	DF	I												
15	42.4	15	See table PN40 to the right			130	95	23	125	-	-	-	58	25	115	-	-	-	-	2.2
20	42.4	15	See table PN40 to the right			150	105	19	125	-	-	-	58	25	115	-	-	-	-	2.9
25	48.3	20	See table PN40 to the right			160	115	15	125	-	-	-	57	25	115	-	-	-	-	3.5
32	60.3	25	See table PN40 to the right			180	140	10	130	-	-	-	59	25	115	-	-	-	-	4.8
40	76.1	32	See table PN40 to the right			200	150	35	170	-	-	-	86	35	157	-	-	-	-	6.5
50	76.1	40	See table PN40 to the right			230	165	35	175	-	-	-	86	35	157	-	-	-	-	8.7
			PN 16			PN 25														
65	102	50	270	185	18	290	185	18	160	255	150	100	73	35	205	150	163	63	137	10
80	127	65	280	200	33	310	200	33	190	288	138	110	88	39	260	200	215	56	140	13
100	159	80	300	220	56	350	235	48	225	301	146	135	108	39	260	200	215	56	140	21
125	194	100	325	250	54	400	270	44	215	345	175	165	109	44	355	200	260	75	190	32
150	219	125	350	285	51	480	300	43	235	365	186	205	109	49	505	200	260	75	190	46
200	273	150	400	340	66	600	360	56	315	390	180	245	126	60	650	200	260	75	190	61
250	356	200	650	405	115	730	425	105	-	585	242	340	181	88	-	400	330	100	245	170
300	457	250	750	460	131	850	485	119	-	635	261	400	199	100	-	400	400	141	330	285
350	457	250	850	520	101	980	555	84	-	635	261	400	183	100	-	400	400	141	330	322
400	521	300	1.100	580	130	1.100	620	110	-	690	287	480	220	140	-	400	430	150	336	484
450	711	400	1.400	640	206	1.400	670	191	-	855	304	690	297	168	-	500	460	188	410	988
500	711	400	1.400	715	169	1.400	730	161	-	855	304	690	272	168	-	500	460	188	410	1018

Weights are based on PN 40/25 versions. DN 250 - DN 600: Dimensions and weights are PN 25 and including worm gear.
 ØD* - internal nominal diameter

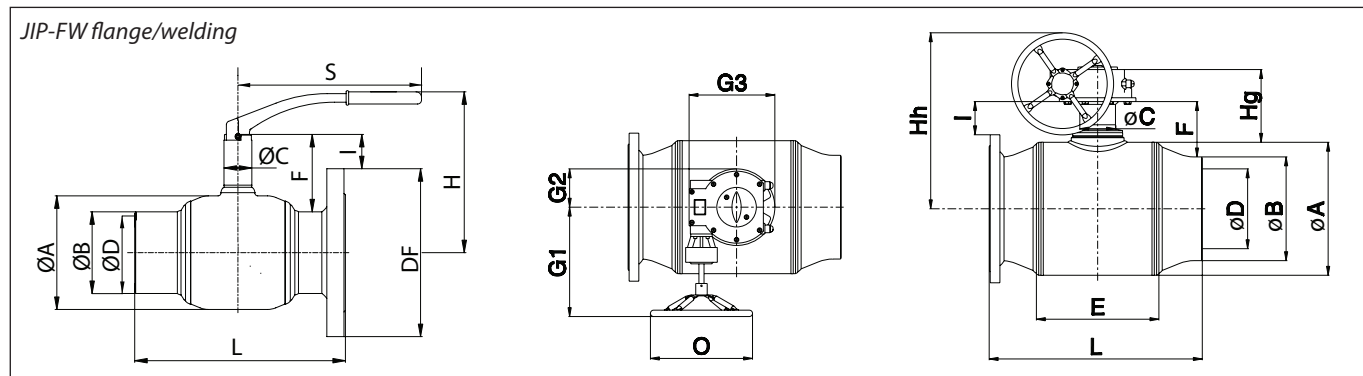
JIP-IW internal thread/welding



DN [mm]	ØA	ØB	R	ØD*	L	H low T	F low	H high L	F high	ØC	S	kg
15	42.4	21.3	1/2"	15	160	65	40	125	60	25	115	0.9
20	42.4	26.9	3/4"	15	160	65	37	125	60	25	115	0.9
25	48.3	33.7	1"	20	165	70	37	125	55	25	115	1.0
32	60.3	42.4	1 1/4"	25	185	-	-	130	58	25	115	1.4
40	76.1	48.3	1 1/2"	32	195	-	-	170	86	35	157	2.3
50	88.9	60.3	2"	40	225	-	-	175	86	35	157	3.3

ØD* - internal nominal diameter

Dimensions

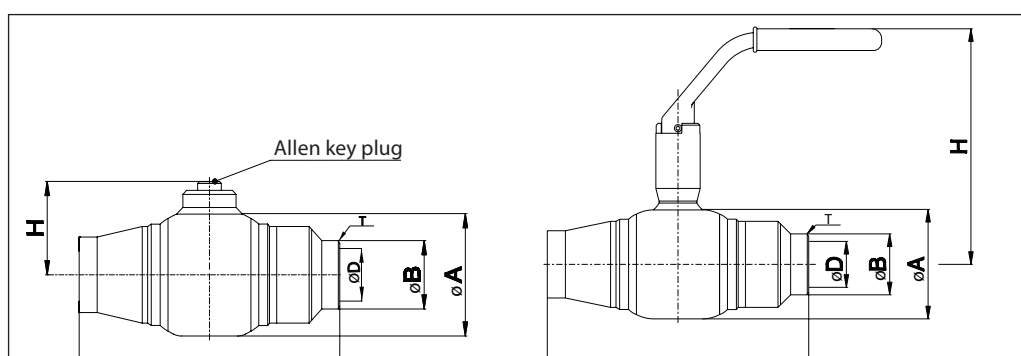


DN [mm]	ØA	ØB	ØD*	PN 16			PN 40			H	Hh	Hg	E	F	C	S	O	G1	G2	G3	kg
				L	DF	I	L	DF	I												
15	42.4	21.3	15	-	-	-	180	95	23	125	-	-	-	58	25	115	-	-	-	-	1.7
20	42.4	26.9	15	-	-	-	190	105	19	125	-	-	-	58	25	115	-	-	-	-	2.0
25	48.3	33.7	20	-	-	-	195	115	15	125	-	-	-	57	25	115	-	-	-	-	2.4
32	60.3	42.4	25	-	-	-	220	140	10	130	-	-	-	59	25	115	-	-	-	-	3.4
40	76.1	48.3	32	-	-	-	230	150	35	170	-	-	-	86	35	157	-	-	-	-	4.3
50	88.9	60.3	40	-	-	-	265	165	35	180	-	-	-	86	35	157	-	-	-	-	5.9
				PN 16			PN 25														
65	102	76.1	50	265	185	18	265	185	18	160	225	100	100	73	35	205	150	163	63	137	7
80	127	88.9	65	275	200	33	275	200	33	190	288	110	110	88	39	260	200	215	56	140	9
100	159	114.3	80	295	220	56	295	235	48	225	301	301	135	108	39	260	200	215	56	140	15
125	194	139.7	100	320	250	54	320	270	44	250	345	175	165	109	44	355	200	260	75	190	23
150	219	168.3	125	345	285	51	345	300	43	285	365	186	205	109	49	505	200	260	75	190	35
200	273	219.1	150	395	340	66	395	360	56	315	390	180	245	126	60	650	200	260	75	190	65
250	356	273.0	200	540	405	115	555	425	105	-	585	242	340	181	88	-	400	330	100	245	146
300	457	323.9	250	675	460	131	740	485	119	-	635	261	400	199	100	-	400	400	141	330	201
350	457	355.6	250	805	520	101	775	555	84	-	635	261	400	183	100	-	400	400	141	330	275
400	521	406.4	300	835	580	130	930	620	110	-	690	287	480	217	140	-	400	430	150	336	423
450	711	457.2	400	1.245	640	206	1.245	670	191	-	855	304	690	297	168	-	500	460	188	410	919
500	711	508.0	400	1.310	715	169	1.275	730	160	-	855	304	690	272	168	-	500	460	188	410	929

Weights are based on PN 40/25 versions. DN 250 - DN 600: Dimensions and weights are PN 25 and including worm gear.

ØD* - internal nominal diameter

JIP hot tap welding
JIP-WW welding



DN [mm]	ØA	L	ØB	ØD*	T	L	H	H w. handle	kg
PN 25									
20	42.4		24.0	15	2.6	128	34	125	0.6
25	60.3		33.7	25	2.9	145	46	130	1.3
32	60.3		42.4	25	2.9	145	46	130	1.2
40	88.9		48.3	40	2.9	200	57	175	3.5
50	88.9		60.3	40	3.2	200	57	175	3.4
65	114.3		76.1	50	3.2	260	70	190	5.1
80	133.0		88.9	65	3.2	265	80	210	6.7
100	159.0		114.3	80	3.6	275	90	220	11.3

ØD* - internal nominal diameter

Data sheet

Ball valves

Branching valves
 JIP-WW welding
 JIP-IW internal thread / welding

DN [mm]	ØA	ØB	ØD*	T	L WW	L IW	H	kg
PN 40								
15	42.4	21.3	15	2.6	230	-	34	0.6
20	42.4	26.9	15	2.6	230	-	34	0.6
25	48.3	33.7	20	2.6	235	168	36	0.8
32	60.3	42.4	25	2.6	260	185	46	1.2
40	76.1	48.3	32	2.6	260	196	51	1.8
50	76.1/88.9	60.3	40	2.9	300	227	57	2.8
PN 25								
65	114.3	76.1	50	2.9	260	-	70	4.4
80	133.0	88.9	65	3.2	270	-	80	5.7
100	159.0	114.3	80	3.6	290	-	92	10.6
125	193.7	139.7	100	4.0	315	-	140	17.9
150	219.1	168.3	125	4.5	340	-	160	27.5
200	273.0	219.1	150	4.5	390	-	185	42.3

ØD* - internal nominal diameter

House insertions
 Single valve
 JIP-CC copper
 JIP-WC welding / copper
 JIP-IC internal thread / copper
 Max temp. 130°

DN [mm]	ØA	ØB	L CC	L WC	L IC	H	kg
PN 16							
15	42.4	18/21.3/18	245	245	168	125	0.93
20	42.4	22	255	245	175	125/125/105	0.93
25	48.3	28	255	245	180	125	1.10
32	60.3	35	260	270	185	130	1.45
40	76.1	42	260	260	-	170	2.50
PN 10							
50	88.9	54	300	305	-	175	3.20

ØD* - internal nominal diameter

House insertions
 Twin valve - single pipe
 JIP-CC copper with L or T handle
 JIP-IC internal thread/copper
 Max temp. 130°

DN [mm]	A	C	H L-handle red / blue	H T-handle	H T-handle	kg
PN 16						
15	100-145	115-200	-	-	65	2.83
20	100-145	115-200	105	65	65	2.75
25	100-145	115-200	110	70	-	3.00
32	115-160	115-200	115	-	-	3.90

House insertions
 Twin valves - single pipe
 JIP-WW welding
 JIP-II internal thread
 JIP IW internal thread/welding

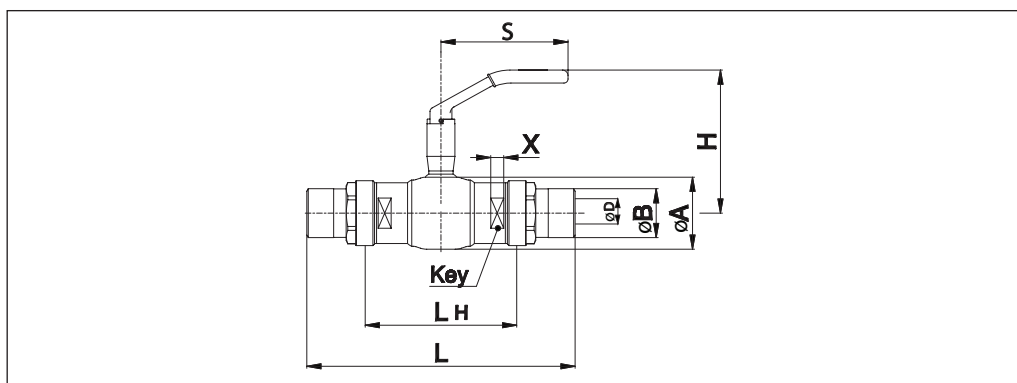
DN [mm]	A	C	H hex.	H L-handle red / blue	H T-handle	kg
PN 40						
15	100-145	115-200	65	105	65	2.2
20	100-145	115-200	65	105	65	2.2
25	100-145	115-200	70	110	70	2.3
32	115-160	115-200	75	130/115/115	-	3.5
40	115-160	115-200	100	140	-	5.1
50	115-160	120-200	105	145	-	7.3

House insertions
 Twin valves - double pipe
 including T-handle 45° version
 JIP-II/JIP-IW internal thread

DN [mm]	C	H hex.	HL-handle	HT-handle	kg
PN 40					
15	58	55	75	55	2.2
20	58	55	75	55	2.3
25	58	68	125	60	2.3

Special valves

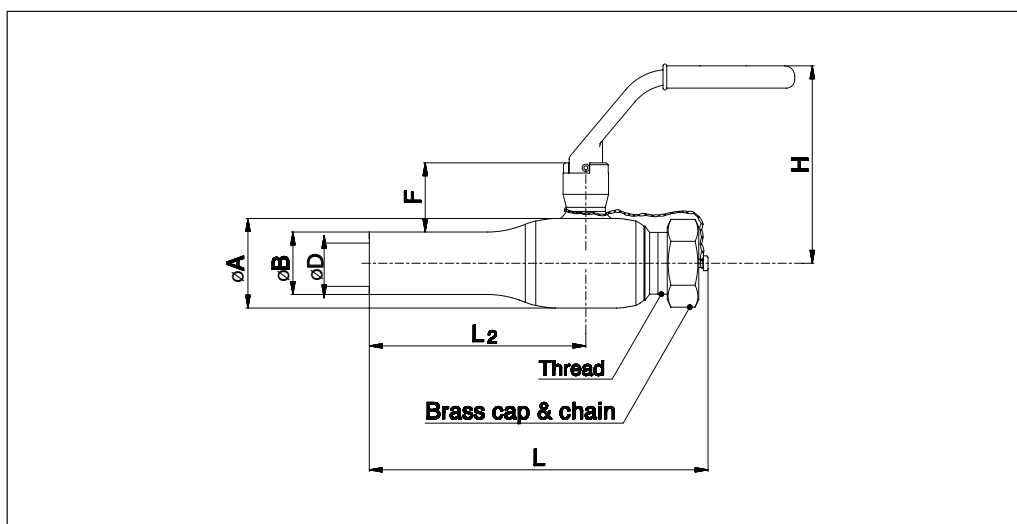
JIP-DD detachable ends



DN [mm]	ØA	ØB	ØD*	L	Lh	H	S	Key	X	kg
PN 40										
15	42.4	21.3	15	210	98	125	115	-	-	1.2
20	42.4	26.9	15	235	110	125	115	-	-	1.2
25	48.3	33.7	20	245	126	125	115	36	14	1.6
32	60.3	42.4	25	270	150	115	115	42	14	2.2
40	76.1	48.3	32	295	168	170	157	50	16	3.9
50	88.9	60.3	40	330	186	175	157	65	16	4.6

ØD* - internal nominal diameter

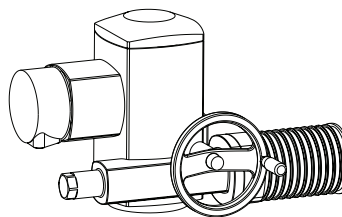
JIP-WE cc welding / external thread with closing cap



DN [mm]	ØA	ØB	ØD*	F	L	L2	H	H L-handle	Thread	Hex.	kg
PN 40											
15	42.4	21.3	15	40	175	115	65	105	3/4"	19	1.0
20	42.4	26.9	15	37	175	115	65	105	3/4"	19	1.0
25	48.3	33.7	20	37	185	115	67	105	1"	19	1.5
32	60.3	42.4	25	38	195	130	75	-	1 1/4"	19	2.0
40	76.1	48.3	32	55	210	130	100	-	1 1/2"	27	3.7
50	88.9	60.3	40	54	240	150	105	-	2"	27	4.4

ØD* - internal nominal diameter

AUMA NORM electrical actuators for Danfoss ball valves



Danfoss ball valves	Auma Actuators	
DN [mm]	Type	Operating time for 90° turn [s]
65-80	SG 05.1	16
100	SG 07.1	32
125-150-200	SG 10.1	32
250-350	SA 07.6+GS 100.3+VZ 4.3	142
400	SA 10.2+GS 125.3+VZ 4.3	142
450-500-600	SA 10.2+GS 160.3+GZ 160.3	207

Features:

- 2 limit switches – opening / closing
- 2 torque switches - opening / closing
- Heater
- Blinker switch for operating phase
- Manual operation with hand wheel
- Thermo switch

Main Data:

- Nominal voltage: 3 x 400 VAC, 50Hz
- Grade of enclosure: - IP 67 (DN65-200)
- IP 68 (DN250-600)
- Wiring diagram: - TP 110/001 (DN65-200)
- TPA 00R1AA-000 (DN250-600)

The actuators can be equipped with various accessories.
Control and regulating unit AUMA Matic in the basis design can be supplied.
For other mains voltages than 3 x 400V/50Hz or additional questions please contact us.

When commissioning and under certain problematic system conditions, it can be necessary to choose slower actuators to avoid water hammering and oscillations.

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