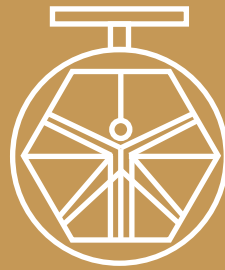


**GROUP 300
COMPLEMENTS
MOD. 300A/64**



**DAVINCI
VALVES™**

TECHNICAL DATA SHEET

WATER Series

**RUBBER EXPANSION JOINTS
DOUBLE SPHERE FLANGED ENDS**

**DAVINCI
VALVES™**



**QUALITY
ASSUREMENT**

**DAVINCI
VALVES™**



**PRODUCT QT
ASSUREMENT**

**DAVINCI
VALVES™**



**COMPANY QT
ASSUREMENT**

www.davincivalves.com

18 Dongyu Street, Square One,
11th Floor 1101, Jinjiang District,
Chengdu, Sichuan CHINA

10F/Tower A, Billion Center,
1 Wang Kwong Road, Kowloon Bay
Kowloon HONG KONG

RUBBER EXPANSION JOINTS SINGLE SPHERE FLANGED END Ref.300A / PN 10-16

GENERAL CHARACTERISTICS:

Range from ND32 up to ND600.

Designed to absorb dilatation movements, vibrations in fluid conduction pipelines from any direction.

Double wave construction with low load loss.

Made with a special molding technique using synthetic fibre of high resistance, they can support a breaking pressure of more than 60 bar, even if the usual working pressure is not above 16 bar.



APPLICATION:

Heating, air conditioning, cooling overheated water, water systems, pump stations, connection of compressors, industrial & ship installations.

STANDARDS:

Mounting with flanges: EN 1092-1 PN10 / PN16/ANSI150#

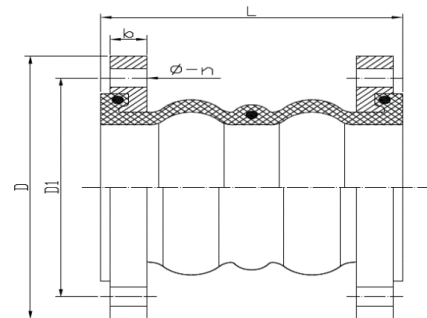
Flange according to DIN2632

Side flanges according to: ISO 7005-1.

Pressure Test: EN 12266-1, class A.

Body: 24 bars.

Products excluded from directive 2014/68/EU Equipment under pressure (Article 4 & 3).



DOUBLE WAVE DIMENSIONS

DN	L	Weight	PN 10				PN 16				DISPLACEMENT			
			D	D1	b	φ-n	D	D1	b	φ-n	Extens.	Compr.	Transv.	Angle
40	175	3.1	150	110	14	18-4	150	110	14	18-4	10	20	20	15°
50	175	4.3	165	125	15	18-4	165	125	15	18-4	10	20	20	15°
65	175	5.4	185	145	15	18-4	185	145	15	18-4	10	20	20	15°
80	175	6.5	200	160	17	18-8	200	160	17	18-8	10	20	20	15°
100	225	8.1	220	180	17	18-8	220	180	17	18-8	15	30	25	15°
125	225	10.8	250	210	19	18-8	250	210	19	18-8	15	30	25	15°
150	225	13.4	285	240	19	22-8	285	240	19	22-8	15	30	25	15°
200	325	21.1	340	295	21	22-8	340	295	21	22-12	20	40	30	15°
250	325	27.3	395	350	23	22-12	405	355	23	26-12	20	40	30	15°
300	325	31.0	445	400	22	22-12	460	410	24	26-12	20	40	30	15°

All the components can be substituted with equivalent or higher-class materials.

DAVINCI VALVES LTD, is constantly looking at all ways of improving our products and services related to the water, fire and industry sector and therefore we reserve the right to change, without prior notice, any of the data contained here. Please contact our Technical Sales Department for detailed advice.

© 2018 DAVINCI VALVES LTD.

www.davincivalves.com info@davincivalves.com +34 616553797 / +86 17340168233
18 Dongyu Street, Square One 11th Floor 1101. Jinjiang District, Chengdu, Sichuan Province, China

RUBBER EXPANSION JOINTS SINGLE SPHERE FLANGED END Ref.300A / PN 10-16

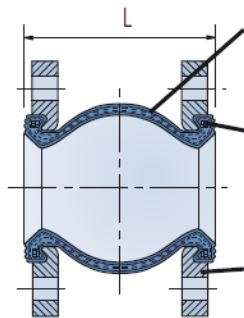
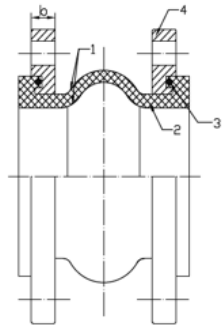
WORKING CONDITIONS:

Maximum Working Pressure: 16 bar (*)
 Explosion Pressure: 50 bar.
 Working Temperature: - 10 °C - + 100 °C.
 See correction chart according to temperature.
 Vacuum KPa(mmHg) 65(490) .

NO.	PART	MATERIAL
1	BODY	EPDM/NBR
2	KEY FRAME	CORD FABRIC
3	PRESSURIZED RING	STEEL WIRE STRAND
4	FLANGED	STEEL Q235

ELASTOMER

MATERIALS CODE	BODY	HIGHEST TEMPERATURE
BB	Butile	90°
EE	E.P.D.M.	105°
NY	Hypalon	100°
NN	Neoprene	90°
NBR	NBR	90°



Body of synthetic rubber and reinforcing fiber.

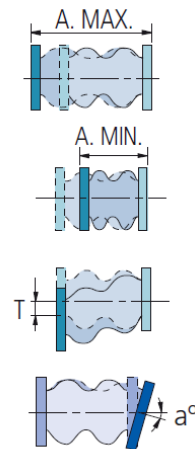
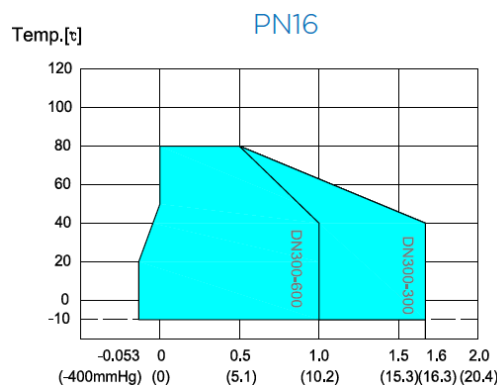
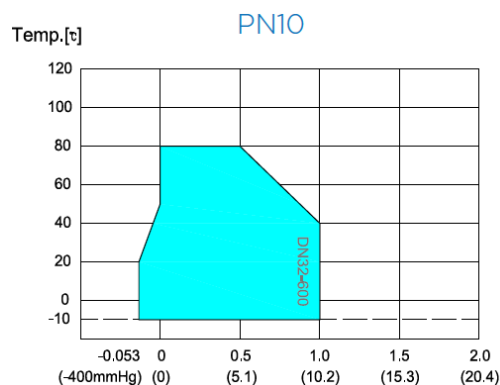
Reinforcing ring make of steel for spring.

Cast C. Steel plated flanges.

TEMPERATURE / PRESSURE RATE FOR LONG LIFE (EPDM)

Ø NOMINAL	HIGHEST TEMPERATURE AND WORKING PRESSURE					
	80°C	85°C	90°C	95°C	100°C	105°C
32 a 300	15 BAR	12 BAR	10 BAR	7 BAR	4 BAR	2 BAR
350 a 600	10 BAR	8 BAR	7 BAR	5 BAR	2 BAR	1 BAR

WORKING PRESSURE/ TEMPERATURE TABLE



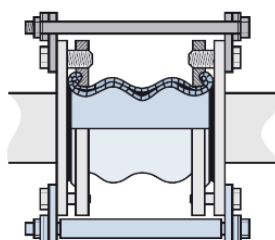
All the components can be substituted with equivalent or higher-class materials.

DAVINCI VALVES LTD, is constantly looking at all ways of improving our products and services related to the water, fire and industry sector and therefore we reserve the right to change, without prior notice, any of the data contained here. Please contact our Technical Sales Department for detailed advice.
 © 2018 DAVINCI VALVES LTD.
 www.davincivalves.com info@davincivalves.com +34 616553797 / +86 17340168233
 18 Dongyu Street, Square One 11th Floor 1101. Jinjiang District, Chengdu, Sichuan Province, China

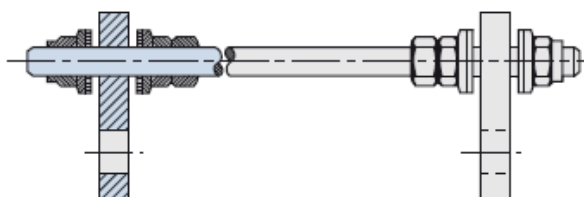
RUBBER EXPANSION JOINTS SINGLE SPHERE FLANGED END

Ref.300A / PN 10-16

ASSEMBLY POSITION

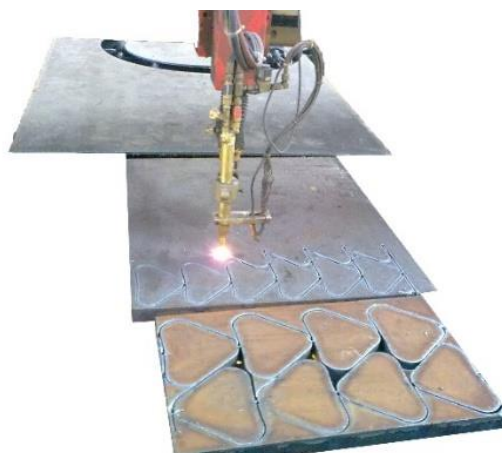


TIE RODS INCLUDE NUTS AND WASHES.



NEED FOR CONTROL TIE RODS BASED ON WORKING PRESSURE

ND	BAR	ND	BAR
40	15	250	7
50	15	300	7
65	15	350	7
80	15	400	5
100	10	450	5
125	10	500	5
150	10	600	5
200	7		



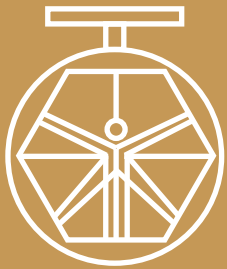
All the components can be substituted with equivalent or higher-class materials.

DAVINCI VALVES LTD, is constantly looking at all ways of improving our products and services related to the water, fire and industry sector and therefore we reserve the right to change, without prior notice, any of the data contained here. Please contact our Technical Sales Department for detailed advice.

© 2018 DAVINCI VALVES LTD.

www.davincivalves.com info@davincivalves.com +34 616553797 / +86 17340168233
18 Dongyu Street, Square One 11th Floor 1101. Jinjiang District, Chengdu, Sichuan Province, China

"For professionals who wants more"



DAVINCI
VALVES™