





TECHNICAL DATA SHEET

WATER Series

RUBBER EXPANSION JOINTS HIGH PRESSURE SINGLE SPHERE FLANGED ENDS







www.davincivalves.com

WATER series



RUBBER EXPANSION JOINTS SINGLE SPHERE FLANGED END

Ref.300A / PN 10-16-25-40

GENERAL CHARACTERISTICS:

Range from ND32 up to ND3000.

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

Single 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.



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

STANDARDS:

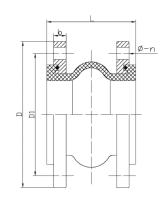
Mounting with flanges: EN 1092-1 PN10 / PN40/ANSI300#

Flange according to DIN2632

Side flanges according to: ISO 7005-1. Pressure Test: EN 12266-1, class A.

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





Dimensions(mm)

Nominal Diameter		Long Pattern					Short Pattern				
		Neutral Length	Movements				Neutral Length	Movements			
DN	NPS	L	Axial Ext.	Axial Comp.	Lateral.	Angular.(")	L	Axial Ext.	Axial Comp.	Lateral.	Angular.(")
150	6	180	12	20	14	15	150	10	18	12	12
200	8	210	16	25	22	15	150	10	18	12	12
250	10	230	16	25	22	15	200	14	20	18	12
300	12	245	16	25	22	15	200	14	20	18	12
350	14	255	16	25	22	15	200	14	20	18	12
400	16	255	16	25	22	15	200	14	20	18	12
450	18	255	16	25	22	15	200	14	20	18	12
500	20	255	16	25	22	15	200	14	20	18	12
600	24	260	16	25	22	15	200	14	20	18	12
700	28	320	16	25	22	15	200	14	20	18	12
750	30	260	16	25	22	15	260	16	25	22	15
800	32	340	16	25	22	15	260	16	25	22	12
900	36	370	16	25	22	15	260	16	25	22	12
1000	40	400	18	26	24	15	260	16	25	22	12
1200	48	420	18	26	24	15	260	16	25	22	12
1400	56	450	20	28	26	15	350	18	24	22	12
1500	60	500	20	28	26	15	300	18	24	22	12
1600	64	500	25	35	30	10	350	18	24	22	8
1800	72	550	25	35	30	10	500	22	30	25	8

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.

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WORKING CONDITIONS:

Maximum Working Pressure: 40 bar (*) Explosion Pressure: 80 bar. Working Temperature: - 10 °C - + 80 °C. See correction chart according to temperature. Vacuum KPa(mmHg) 65(490).

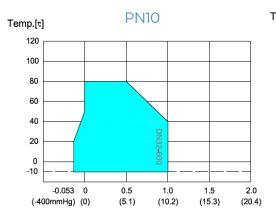


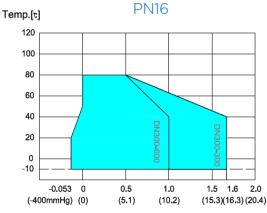
ELASTOMER

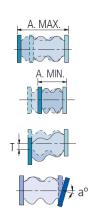
PART	MATERIAL
BODY	EPDM/NBR
KEY FRAME	CORD FABRIC
PRESSURIZED RING	STEEL WIRE STRAND
FLANGED	STEEL Q235

RE

WORKING PRESSURE/ TEMPERATURE TABLE







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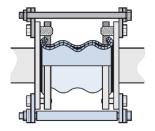
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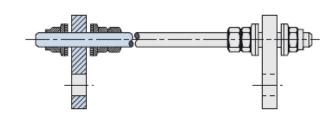
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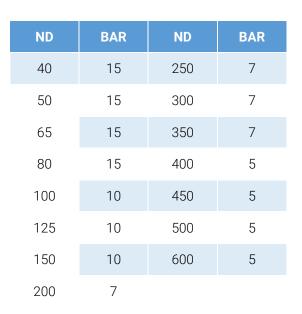
ASSEMBLY POSITION



TIE RODS INCLUDE NUTS AND WASHES.



NEED FOR CONTROL TIE RODS BASED ON WORKING PRESSURE







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