

NK-VN7700EXD | Double Bellow, Flanged Type

(Compliant with JIS B 2352:2013)

◆ APPLICATION

- Compensating for large thermal expansion and contraction
- Support structural movement in buildings, bridges, and infrastructure
- Protect equipment from stress and fatigue due to temperature changes

◆ FEATURES

- Applicable Media

Water, Air, High-pressure Steam, Oil, Hot Oil, Gas, Exhaust Gas...etc

*For others, please contact us for consultation

- Working Pressure: Up to 2.0MPa

*Higher Pressure is available on request

- Working Temperature: Up to 650 Deg. C.

*Disregard working pressure

**Higher Temperature is available on request

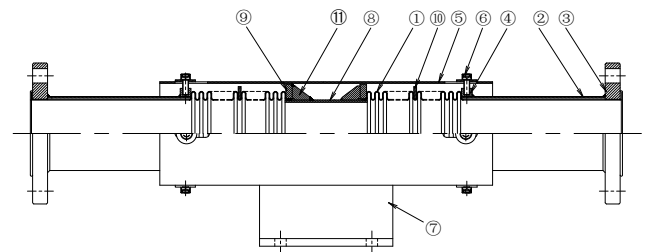
- End Connection: JIS, DIN, EN, BS, ASME

*Special standard is available on request



STRUCTURE

No.	Parts	Material
1	Bellows	Stainless Steel (304 . 321 . 316L . Others)
2	End pipe	Carbon Steel . Stainless Steel
3	Fixed flange	Carbon Steel . Stainless Steel
4	Neck ring 1	Carbon Steel . Stainless Steel
5	Outer Pipe	Carbon Steel . Stainless Steel
6	Stud bolts	Carbon Steel . Stainless Steel
7	Anchor base	Carbon Steel . Stainless Steel
8	Middle pipe	Carbon Steel . Stainless Steel
9	Neck ring 2	Carbon Steel . Stainless Steel
10	Middle ring	Carbon Steel . Stainless Steel
11	Rib	Carbon Steel . Stainless Steel



Unit (mm)

SPECIFICATION

Size		Inner diameter ID	Expansion Amount	Contraction Amount	Main Anchor Loading Force (N)	Min. OAL
DN	Inch					
20	3/4	27	20	50	2,339	680
25	1	33.5	20	50	3,166	680
32	1-1/4	40.9	20	50	5,420	680
40	1-1/2	46.3	20	50	7,170	680
50	2	59.1	20	50	9,964	680
65	2-1/2	74.9	20	50	14,830	780
80	3	87.3	20	50	21,019	780
100	4	111.4	20	50	31,341	880
125	5	136.9	20	50	43,321	880
150	6	161.9	20	50	58,017	930
200	8	213.1	20	50	98,125	930
250	10	264.2	20	50	144,035	980
300	12	315	20	50	194,532	980

Calculated at 2.0 MPa and 200 °C

INSTALLATION GUIDE

- Read the manual for proper setup and long-term reliability.
- Install strong fixed points to resist spring force and pressure thrust.
- Place fixed points close to the expansion joint.
- Use only one joint between two fixed points

NOTES

- Best option for Steam and large thermal expansion and contraction
- The information in this catalog may be subject to updates or modifications without prior notice.
- Special lengths are available on request.
- Special contraction and expansion amounts are available on request.
- The higher sizes are available upon request.

Scan for more information

