NK-VN7500EXS | Single Bellow, Flanged Type

(Compliant with JIS B 2352:2013)

NFK
TOP JAPANESE BRAND
SINCE 1971

◆ APPLICATION

- Absorb thermal expansion and contraction in piping systems
- 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

- Woking Pressure: Up to 2.0MPa

*Higher Pressure is available on request

- Working Temperature: Up to 650 Deg. C.

*Disregard working pressure

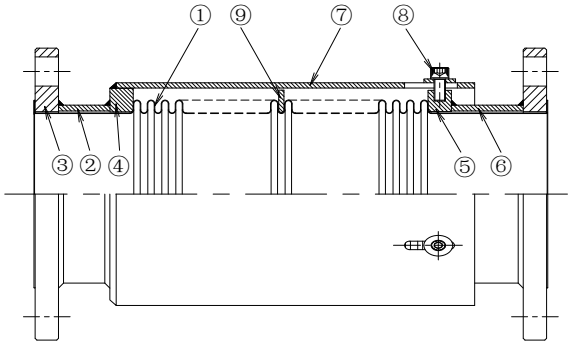
**Higher Temperature is available on request

- 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 1	Carbon Steel . Stainless Steel
3	Flange	Carbon Steel . Stainless Steel
4	Neck ring 2	Carbon Steel . Stainless Steel
5	Neck ring 1	Carbon Steel . Stainless Steel
6	End pipe 2	Carbon Steel . Stainless Steel
7	Outer pipe	Carbon Steel . Stainless Steel
8	Stud bolts	Carbon Steel . Stainless Steel
9	Middle ring	Carbon Steel . Stainless Steel



Unit (mm)

SPECIFICATION

Size		Inner diameter ID	Expansion Amount	Contraction Amount	Main Anchor Loading Force (N)	Standard OAL
DN	Inch					
20	3/4	27	10	25	2,339	365
25	1	33.5	10	25	3,166	365
32	1-1/4	40.9	10	25	5,420	365
40	1-1/2	46.3	10	25	7,170	365
50	2	59.1	10	25	9,964	365
65	2-1/2	74.9	10	25	14,830	415
80	3	87.3	10	25	21,019	415
100	4	111.4	10	25	31,341	415
125	5	136.9	10	25	43,321	440
150	6	161.9	10	25	58,017	440
200	8	213.1	10	25	98,125	440
250	10	264.2	10	25	144,035	465
300	12	315	10	25	194,532	465

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
- 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.