NK-VN7900 Single Bellow, Flanged Type with Tie Rods (Compact and Lightweight)

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
- Restricting axial movement and restraining pressure thrust



◆ 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 1.0MPa

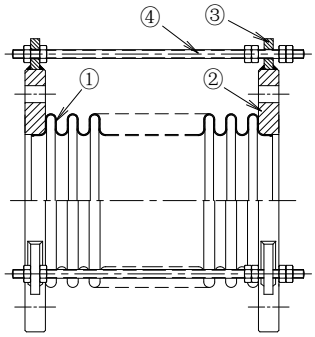
*Higher Pressure is available on request

- 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	Flange	Carbon Steel . Stainless Steel
3	Holder	Carbon Steel . Stainless Steel
4	Tie Rods	Carbon Steel . Stainless Steel

Unit (mm)

SPECIFICATION

Size		Inner diameter ID	Expansion Amount	Contraction Amount	Main Anchor Loading Force (N)	Min. OAL
DN	Inch					
50	2	59.1	10	20	6,375	160
65	2-1/2	74.9	10	25	9,103	160
80	3	87.3	10	25	13,229	180
100	4	111.4	10	25	19,150	190
125	5	136.9	10	25	25,653	190
150	6	161.9	10	25	33,693	200
200	8	213.1	10	25	56,513	200
250	10	264.2	10	25	81,500	200
300	12	315	10	25	108,395	200

Calculated at 1.0 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

- More compact and lightweight compared to NK-VN6500
- 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.
- Available in sizes up to DN1000 upon request.