

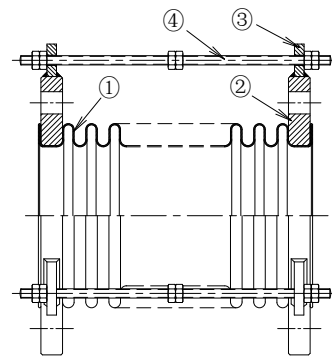
NK-VN7200 | Pump Joint ((Single Bellow and Non-Braided Type)

◆ APPLICATION

- Vibration Isolation and Noise Reducing of Pump, Chiller...etc
- Decrease strain at connections from thermal changes or movement, reducing leaks and failures.
- High Pressure and Temperature Resistance
- Ease of Maintenance and Replacement

◆ FEATURES

- Applicable Media
Water Supply, Wastewater, Hot Water, Chilled Water, Firefighting Water.
- Working Pressure
Up to 2.5Mpa
*Higher Pressure is available on request
- Working Temperature
Up to 450 Deg. C
*Disregard working pressure
- End Connection
JIS, DIN, BS, ASME
*Special standard is available on request



Unit (mm)

STRUCTURE		
No.	Part name	Material
1	Bellows	SS304 . SS321 . SS316L . Others
2	Flange	Carbon Steel . Stainless Steel
3	Holder	Carbon Steel . Stainless Steel
4	Tie rods	Carbon Steel . Stainless Steel

Size		ID	BH	Min. OAL
DN	Inch			
DN50	2	59,1	6,5	120
DN65	2 1/2	74,9	7,0	120
DN80	3	87,3	9,0	120
DN100	4	111,4	9,0	150
DN125	5	136,9	9,0	150
DN150	6	161,9	11,0	150
DN200	8	213,1	11,0	200
DN250	10	264,2	12,5	200
DN300	12	315,0	12,0	200

Calculated at 1.6 MPa and 40°C

INSTALLATION GUIDE

- Read the manual for proper setup and long-term reliability
- Ensure proper alignment; don't use joint to fix misalignment
- Support piping to avoid stress on the joint
- Tighten bolts to recommended torque

NOTES

- The information in this catalog may be subject to updates or modifications without prior notice.
- Special lengths are available on request.
- Available in sizes up to DN1000 upon request.

Scan for more information



NK-VN7600 | Single Bellow and Non Welding Type

◆ APPLICATION

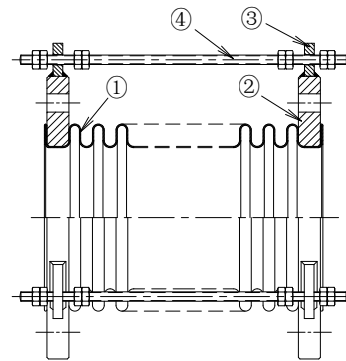
- Absorb thermal expansion and contraction in piping systems
- Support structural movement in buildings, bridges, and infrastructure
- Protect equipment from stress and fatigue due to temperature changes
- Reduce noise and mechanical shock in piping systems
- Improve flexibility in rigid piping layouts

◆ FEATURES

- Applicable Media
Water Supply, Wastewater, Hot Water, Chilled Water, Firefighting Water.
- Working Pressure
Up to 2.5Mpa
*Higher Pressure is available on request
- Working Temperature
Up to 450 Deg. C
*Disregard working pressure
- End Connection
JIS, DIN, BS, ASME
*Special standard is available on request



STRUCTURE		
No.	Part name	Material
1	Bellows	SS304 . SS321 . SS316L . Others
2	Flange	Carbon Steel . Stainless Steel
3	Holder	Carbon Steel . Stainless Steel
4	Tie rods	Carbon Steel . Stainless Steel



SPECIFICATION						
Size		Inner Diameter (mm)	Expansion Amount (mm)	Contraction Amount (mm)	Pressure Thrust (N)	Min. OAL (mm)
DN	Inch					
50	2	59.1	10	10	6,375	150
65	2-1/2	74.9	10	10	9,103	150
80	3	87.3	10	10	13,229	150
100	4	111.4	10	15	19,150	200
125	5	136.9	10	15	25,653	200
150	6	161.9	10	15	33,693	200
200	8	213.1	10	15	56,513	200
250	10	264.2	10	15	81,500	200
300	12	315.0	10	15	108,395	200

Calculated at 1.6 MPa and 100°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

- 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.

Scan for more information



NK-V7700EXD | Double Bellow and External Cylinder Type

◆ 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
- Reduce noise and mechanical shock in piping systems
- Improve flexibility in rigid piping layouts

◆ FEATURES

• Applicable Media
Water Supply, Wastewater, Hot Water, Chilled Water, Firefighting Water.

• Working Pressure

Up to 2.5Mpa

*Higher Pressure is available on request

• Working Temperature

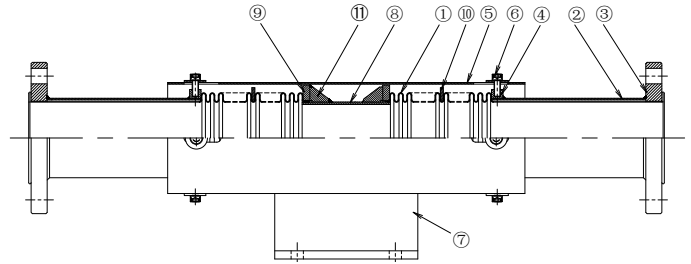
Up to 450 Deg. C

*Disregard working pressure

• End Connection

JIS, DIN, BS, ASME

*Special standard is available on request



STRUCTURE

No.	Part name	Material	No.	Parts	Material
1	Bellows	SS304 . SS321 . SS316L . Others	7	Anchor base	Carbon Steel . Stainless Steel
2	End pipe	Carbon Steel . Stainless Steel	8	Middle pipe	Carbon Steel . Stainless Steel
3	Fixed flange	Carbon Steel . Stainless Steel	9	Neck ring 2	Carbon Steel . Stainless Steel
4	Neck ring 1	Carbon Steel . Stainless Steel	10	Middle ring	Carbon Steel . Stainless Steel
5	Outer Pipe	Carbon Steel . Stainless Steel	11	Rib	Carbon Steel . Stainless Steel
6	Stud bolts	Carbon Steel . Stainless Steel			

SPECIFICATION

Size		Inner Diameter (mm)	Expansion Amount (mm)	Contraction Amount (mm)	Pressure Thrust (N)	Min. OAL (mm)
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.
- Place fixed points close to the expansion joint.
- Install strong fixed points to resist spring force and pressure thrust.
- Use only one joint between two fixed point.

NOTES

- 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.

Scan for more information

