

DF-5000

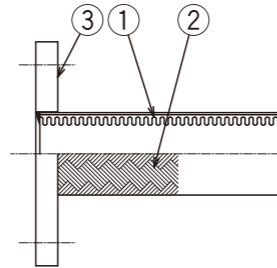
Fixed Flange

Structure ■ Welding joint by inserting a tube into a flange.
■ Fixed flange type.

Use ■ Eccentricity of pipes and other parts, ground subsidence, etc.

Feature ■ All fluid contact portion stainless steel.
■ Can also be produced for short face to face.
■ Long effective length of a tube can be provided.
■ Multi-purpose and reasonable price.

- Available NB 15A~300A
- Applicable Tubes
 - Spiral Tube •One-Pitch Tube
 - Super One-Pitch Tube •Fine Annular Tube
 - Fine Soft Tube
- Braid of SUS316 and SUS316L are also available.
Please contact us for details.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Fixed flange	SUS304·SUS316·SUS316L·SUS304L

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI & others

Caution

※Anti-corrosion gasket for stainless steel is recommended for connecting with a pipe.
※Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-6000

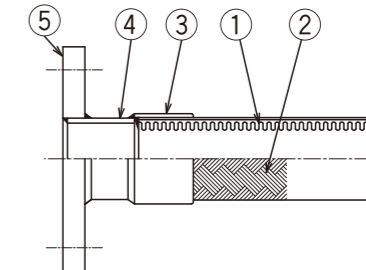
Fixed Flange R-type

Structure ■ Butt welding a pipe end and a tube.
■ Fixed flange type.

Use ■ Eccentricity of pipes and other parts, ground subsidence, etc.

Feature ■ Tube and braid with excellent resistance to corrosion, pressure, heat, bending, and operation can be selected.
■ Flanges with special designs can also be attached.
■ Compatible with processing of various gasket surfaces.

- Available NB 10A~350A
- Applicable Tubes
 - Spiral Tube •One-Pitch Tube
 - Super One-Pitch Tube •Annular Tube
 - Fine Annular Tube •2PLY Annular Tube
 - Soft Tube •Fine Soft Tube
- Underground installation type can also be produced.
- Braid and tube rings of SUS316 and SUS316L are also available.
Please contact us for details.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Tube Ring	SUS304·SUS316·SUS316L
4	Pipe end	SGP·SUS304·SUS316·SUS316L, others
5	Fixed flange	SS400·SUS304·SUS316·SUS316L, others

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

※Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.
※Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-5100

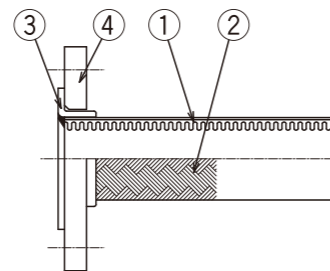
Loose Flange with Collar

Structure ■ Welding joint by inserting a tube into a flange collar.
■ Loose flange type.

Use ■ Eccentricity of pipes and other parts, ground subsidence, etc.

Feature ■ All fluid contact portion stainless steel.
■ Can also be produced for short face to face.
■ Long effective length of a tube can be provided.
■ Multi-purpose and reasonable price.

- Available NB 15A~300A
- Applicable Tubes
 - Spiral Tube •One-Pitch Tube
 - Super One-Pitch Tube •Fine Annular Tube
 - Fine Soft Tube
- Braid of SUS316 and SUS316L are also available.
Please contact us for details.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Flange collar	SUS304·SUS316L
4	Loose flange	SS400·SUS304·SUS316·SUS316L, others

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI & others

Caution

※Anti-corrosion gasket for stainless steel is recommended for connecting with a pipe.
※Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-6100

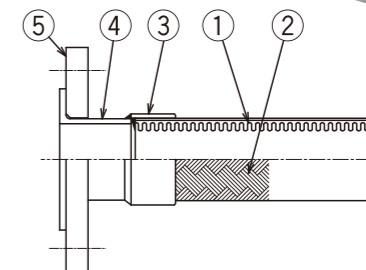
Loose Flange R-type

Structure ■ Butt welding a lap joint and a tube.
■ Loose flange type.

Use ■ Eccentricity of pipes and other parts, ground subsidence, etc.

Feature ■ Tube and braid with excellent resistance to corrosion, pressure, heat, bending, and operation can be selected.
■ Flanges with special designs can also be attached.
■ Compatible with processing of various gasket surfaces.

- Available NB 10A~350A
- Applicable Tubes
 - Spiral Tube •One-Pitch Tube
 - Super One-Pitch Tube •Annular Tube
 - Fine Annular Tube •2PLY Annular Tube
 - Soft Tube •Fine Soft Tube
- For underground use please refer to P.22 model DFM-6100.
- Braid and tube rings of SUS316 and SUS316L are also available.
Please contact us for details.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Tube Ring	SUS304·SUS316·SUS316L
4	Lap Joint	SGP·SUS304·SUS316·SUS316L, others
5	Loose flange	SS400·SUS304·SUS316·SUS316L, others

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

※Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.
※Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-6600 (Ribbon braid type)

Fixed Flange R-type

Structure

- The exterior is a ribbon braid type.
- Butt welding for tube and pipe end.
- Fixed flange type.

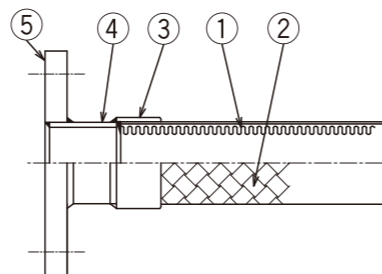
Use

- Eccentricity of pipes and other parts, ground subsidence, etc.

Feature

- Large diameter can also be produced. (550A or larger can also be produced. Please contact us for details.)
- Not compatible with uses involving frequently repeated movements.
- Flanges with special designs can also be attached.
- Compatible with processing of various gasket surfaces.

- Available NB 20A~500A (Diameters from 20A to 200A are available for long lengths.)
- Applicable Tubes
 - Spiral Tube
 - Annular Tube
 - 2PLY Annular Tube
 - One-Pitch Tube
 - Fine Annular Tube
- Underground installation type can also be produced.
- Braid and tube rings of SUS316 and SUS316L are also available. Please contact us for details.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Tube Ring	SUS304·SUS316·SUS316L
4	Pipe end	SGP·SUS304·SUS316·SUS316L, others
5	Fixed flange	SS400·SUS304·SUS316·SUS316L, others

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

※Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.
 ※Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-7600 (Ribbon braid type)

Fixed Flange Square Band type

Structure

- The exterior is a ribbon braid type.
- The braid is tightly secured with a band.
- Fixed flange type.

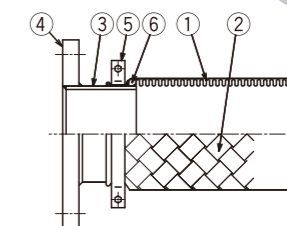
Use

- Eccentricity of pipes and other parts, ground subsidence, etc.

Feature

- Large diameter can also be produced. (550A or larger can also be produced. Please contact us for details.)
- Not compatible with uses involving frequently repeated movements. (Compatible by changing the braid to a soft ribbon.)
- Flanges with special designs can also be attached.
- Compatible with processing of various gasket surfaces.

- Available NB 40A~500A (Diameters from 40A to 200A are available for long lengths.)
- Applicable Tubes
 - One-Pitch Tube
 - Fine Annular Tube
 - Annular Tube
 - 2PLY Annular Tube
- Underground installation type can also be produced.
- Braid of SUS316 and SUS316L are also available. Please contact us for details.
- Soft ribbon braid is also available for 150A & larger.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Pipe end	SGP·SUS304·SUS316·SUS316L, others
4	Fixed flange	SS400·SUS304·SUS316·SUS316L, others
5	Stop band	SS400·SUS304
6	Neck ring	SS400·SUS304

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

※Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.
 ※Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-6700 (Ribbon braid type)

Loose Flange R-type

Structure

- The exterior is a ribbon braid type.
- Butt welding for tube and pipe end.
- Loose flange type.

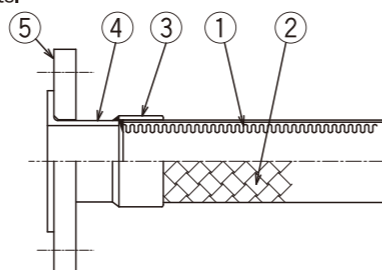
Use

- Eccentricity of pipes and other parts, ground subsidence, etc.

Feature

- Large diameter can also be produced. (550A or larger can also be produced. Please contact us for details.)
- Not compatible with uses involving frequently repeated movements.
- Flanges with special designs can also be attached.
- Compatible with processing of various gasket surfaces.

- Available NB 20A~500A (Diameters from 20A to 200A are available for long lengths.)
- Applicable Tubes
 - Spiral Tube
 - Annular Tube
 - 2PLY Annular Tube
 - One-Pitch Tube
 - Fine Annular Tube
- Underground installation type can also be produced.
- Braid and tube rings of SUS316 and SUS316L are also available. Please contact us for details.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Tube Ring	SUS304·SUS316·SUS316L
4	Lap Joint	SGP·SUS304·SUS316·SUS316L, others
5	Loose flange	SS400·SUS304·SUS316·SUS316L, others

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

※Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.
 ※Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-7700 (Ribbon braid type)

Loose Flange Square Band type

Structure

- The exterior is a ribbon braid type.
- The braid is tightly secured with a band.
- Loose flange type.

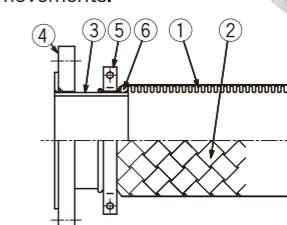
Use

- Eccentricity of pipes and other parts, ground subsidence, etc.

Feature

- Large diameter can also be produced. (550A or larger can also be produced. Please contact us for details.)
- Not compatible with uses involving frequently repeated movements. (Compatible by changing the braid to a soft ribbon.)
- Flanges with special designs can also be attached.
- Compatible with processing of various gasket surfaces.

- Available NB 40A~500A (Diameters from 40A to 200A are available for long lengths.)
- Applicable Tubes
 - One-Pitch Tube
 - Fine Annular Tube
 - Annular Tube
 - 2PLY Annular Tube
- Underground installation type can also be produced.
- Braid of SUS316 and SUS316L are also available. Please contact us for details.
- Soft ribbon braid is also available for 150A & larger.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Lap Joint	SGP·SUS304·SUS316·SUS316L, others
4	Loose flange	SS400·SUS304·SUS316·SUS316L, others
5	Stop band	SS400·SUS304
6	Neck ring	SS400·SUS304

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

※Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.
 ※Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-8000

Fixed Flange Hoop Band type

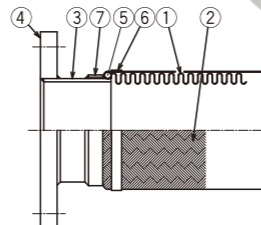
Structure ■ Fixed flange type.

Use ■ Eccentricity of pipes and other parts, ground subsidence, etc.

Feature

- Large diameter can also be produced. (550A or larger can also be produced. Please contact us for details.)
- Tube and braid with excellent resistance to corrosion, pressure, heat, bending, and operation can be selected.
- Flanges with special designs can also be attached.
- Compatible with processing of various gasket surfaces.

- Available NB 40A~500A
- Applicable Tubes
 - One-Pitch Tube
 - Annular Tube
 - 2PLY Annular Tube
 - Fine Soft Tube
 - Super One-Pitch Tube
 - Fine Annular Tube
 - Soft Tube
- Braid of SUS316 and SUS316L are also available. Please contact us for details.
- Braid is soft ribbon type for 400A & larger.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Pipe end	SGP·SUS304·SUS316·SUS316L, others
4	Fixed flange	SS400·SUS304·SUS316·SUS316L, others
5	Neck ring	SS400·SUS304
6	Hoop Band	SUS304
7	Stop band	SUS304

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

- ※ Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.
- ※ Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DF-9000

Loose Flange Non-welding type

Structure

- All fluid contact portion stainless steel.
- The split ring section and the end of the braid are welded, and there is no risk that the braid will fall off.
- Loose flange type
- Equipped with particular Gasket as standard.

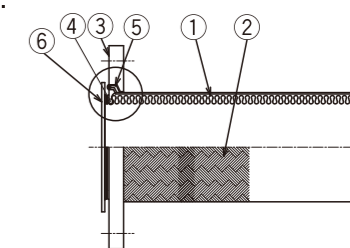
Use

- Widely applicable for absorbing vibration and deflection.

Feature

- Great anti-corrosion property due to the non-welding in the joint assembly.
- The vibration absorption tube provides excellent flexibility.
- Can be produced for short face to face distance.
- Long effective length of the tube can be provided.

- Available NB 20A~300A
- Applicable Tubes
 - Annular Tube
 - 2PLY Annular Tube
- Up to 200A only for 2-PLY annular tube.
- The operation temperature of the standard gasket is -40°C to 100°C. Please contact us for details if the operation temperature exceeds this range.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304
3	Loose flange	SS400·SUS304
4	Split ring	FCMB·SUS304
5	Press ring	SUS304
6	Gasket (Packing)	Non-asbestos (standard), others

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

- ※ Please evenly tighten when connecting with a pipe to prevent uneven tightening.
- ※ Please use the Gasket supplied as standard equipment for connecting with a pipe. (Please contact us if you use another gasket.)

DF-8100

Loose Flange Hoop Band type

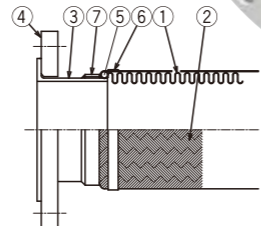
Structure ■ Loose flange type

Use ■ Eccentricity of pipes and other parts, ground subsidence, etc.

Feature

- Large diameter can also be produced. (550A or larger can also be produced. Please contact us for details.)
- Tube and braid with excellent resistance to corrosion, pressure, heat, bending, and operation can be selected.
- Flanges with special designs can also be attached.
- Compatible with processing of various gasket surfaces.

- Available NB 40A~500A
- Applicable Tubes
 - One-Pitch Tube
 - Annular Tube
 - 2PLY Annular Tube
 - Fine Soft Tube
 - Super One-Pitch Tube
 - Fine Annular Tube
 - Soft Tube
- Braid of SUS316 and SUS316L are also available. Please contact us for details.
- Braid is soft ribbon type for 400A & larger.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Lap Joint	SGP·SUS304·SUS316·SUS316L, others
4	Loose flange	SS400·SUS304·SUS316·SUS316L, others
5	Neck ring	SS400·SUS304
6	Hoop Band	SUS304
7	Stop band	SUS304

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

- ※ Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.
- ※ Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.

DFM-6100

Flange for Underground Use R-type

Structure

- Designed for underground installation by wrapping anti-corrosion tape on the outer surface of a tube
- Anti-corrosion paint is applied on all parts except for parts made of stainless steel.

Use

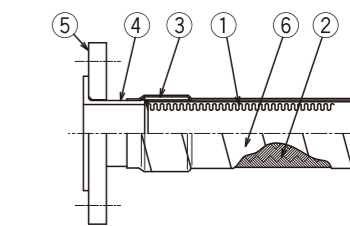
- For absorbing deflection in underground pipes caused by ground subsidence and other conditions

Feature

- Anti-corrosion tape and anti-corrosion paint on the exterior provide anti-corrosion property against impurities in the ground.
- Tube and braid with excellent resistance to corrosion, pressure, heat, bending, and operation can be selected.

Applicable range ■ Temperature...80°C max.

- Available NB 10A~500A (DF-6700, DF-7100, DF-7700, and DF-8100 types are used for 400A or larger.)
- Applicable Tubes
 - Spiral Tube
 - Super One-Pitch Tube
 - Fine Annular Tube
 - Soft Tube
 - One-Pitch Tube
 - Annular Tube
 - 2PLY Annular Tube
 - Fine Soft Tube
- Braid and tube rings of SUS316 and SUS316L are also available. Please contact us for details.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Tube ring	SUS304·SUS316·SUS316L
4	Lap Joint	SUS304·SUS316·SUS316L, others
5	Loose flange	SS400·SUS304·SUS316·SUS316L, others
6	Anti-corrosion tape	PVC, others

Flange Standards : JIS10K·JIS5K·JIS20K·JPI·ANSI·Special flange & others

Caution

- ※ Anti-corrosion gasket for stainless steel is recommended for connecting with a pipe.



Authorization No.08SN1NH

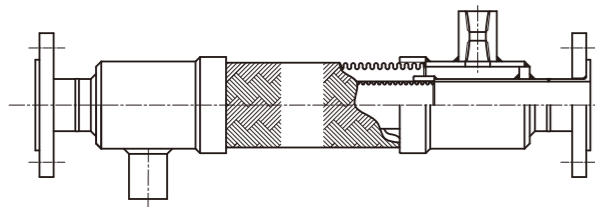


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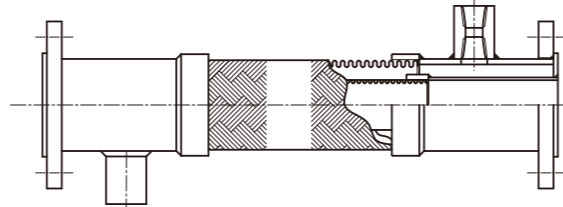
Semi Jacket / Full Jacket

- Structure**
 - The tube and the pipe end have double-layer structure.
- Use**
 - Solidification of fluids is prevented by running heat carrier through the layer between the inner and the outer layers.
 - Eccentricity of high-pressure pipes, ground subsidence, etc.
- Feature**
 - Solidification of internal fluids is prevented by running steam through the layer between the inner and the outer layers.
 - The full jacket type is the type which has a double-layer structure throughout the length.
 - Sockets and flanges can be selected for the inlet and outlet of heat carrier through the layer between the inner and the outer layers.
 - Tube and braid with excellent resistance to corrosion, pressure, heat, bending, and operation can be selected.
- Material**
 - Tube: SUS304·SUS304L·SUS316·SUS316L·SUS310S·SUS321 etc.
 - Other parts: SS400·SUS304·SUS316·SUS316L etc.
- Available NB**
 - 10A~500A (Please contact us for other NB)
- Setting form**
 - Flange type (Semi Jacket, Full Jacket)
 - Screw type (Semi Jacket)
- Applicable Tubes**
 - Spiral Tube
 - Annular Tube
 - Soft Tube
 - One-Pitch Tube
 - Fine Annular Tube
 - Fine Soft Tube
 - Super One-Pitch Tube
 - 2PLY Annular Tube
- Braid and tube rings of SUS316 and SUS316L are also available. Please contact us for details.

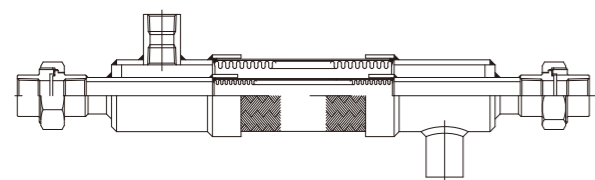
Semi Jacket



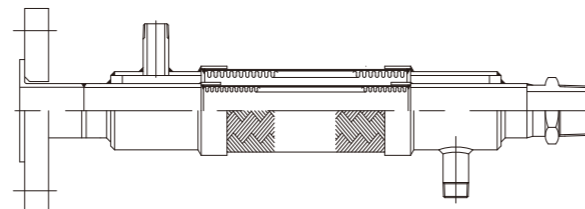
Full Jacket



Both ends Screw type



One end Screw other end Flange type



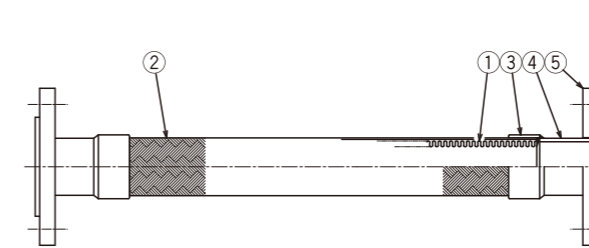
*Categories to be specified: Please specify nominal diameter, total length, operating conditions (fluid, temperature, pressure, movement, etc.), flange specifications, screw specifications, direction of the inlet and outlet of the heat carrier (the same direction or the opposite direction), and materials of individual parts.

Feature

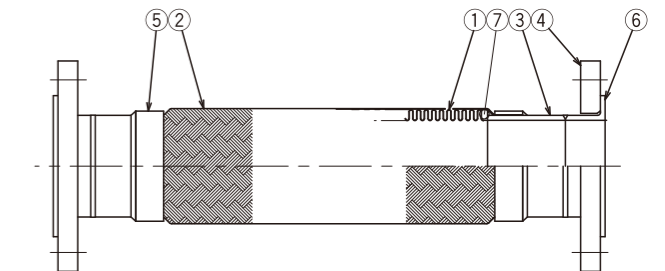
- Cargo hose to be loaded on vessels
 - The available diameter is from 65A to 250A. (Up to 20 meters is length can be produced.)
 - Design pressure: 1.0MPa (Passed the pressure resistance test at 5.0 MPa in a prototype testing)
 - Design temperature: -163~+80°C (Passed the pressure resistance test at 1.5MPa under low temperature of below -163°C in a prototype testing.)
 - Usable for LNG, LPG vessels.
 - Products for individual certification of different vessel grades can also be produced.
- ABS American Bureau of Shipping
 BV Bureau Veritas
 GL Germanischer Lloyd
 KR Korean Register of Shipping
 LR Lloyd's Register of Shipping
 DNV Det Norske Veritas
 CCS China Classification Society



Braid and tube rings of SUS316 and SUS316L are also available. Please contact us for details.



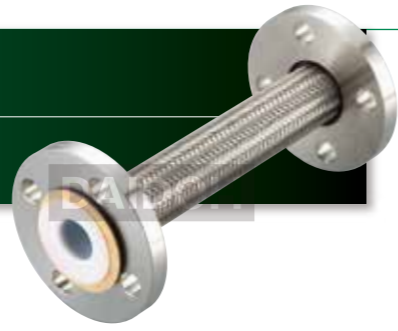
Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Tube Ring	SUS304·SUS316·SUS316L
4	Lap Joint	SUS304·SUS316·SUS316L, others
5	Loose flange	SUS304·SUS316·SUS316L, others



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Pipe end	SUS304·SUS316·SUS316L, others
4	Loose flange	SUS304·SUS316·SUS316L, others
5	Fastening band	SUS304
6	Flange guard	SUS304·SUS316·SUS316L, others
7	Ring	SUS304

DTF-2800K

PTFE Inserted Collar type



Structure ■ PTFE straight hose is inserted into a stainless steel flexible tube.
■ PTFE on fluid contact portion provides excellent anti-corrosion property.

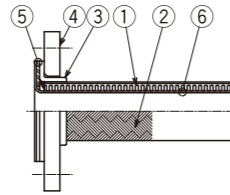
Use ■ Pipes for medical fluid, food, and chemicals.

Feature ■ The use of a straight tube creates smooth inner surface with no unevenness which prevents fluid from accumulating.
■ PTFE on fluid contact portion provides excellent anti-corrosion property.

■ Available NB 15A~65A

Caution

※Please avoid scratching the gasket surface (the PTFE section) when installing pipes.
※The JPI standard and ANSI standard for 15A cannot be produced.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Flange collar	SUS304·SUS316L
4	Loose flange	SS400·SUS304·SUS316·SUS316L, others
5	Back up gasket	Non asbestos
6	Inner Tube	PTFE (PFA available)

DTF-2800R

PTFE Inserted R-type



Structure ■ PTFE straight hose is inserted into a stainless steel flexible tube.
■ PTFE on fluid contact portion provides excellent anti-corrosion property.

Use ■ Pipes for medical fluid, food, and chemicals.

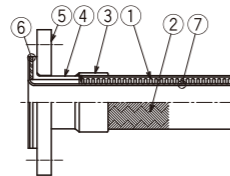
Feature ■ The use of a straight tube creates smooth inner surface with no unevenness which prevents fluid from accumulating.
■ PTFE on fluid contact portion provides excellent anti-corrosion property.

■ Available NB 10A~300A

■ Underground installation type can also be produced. Please inquire us.

Caution

※Please avoid scratching the gasket surface (the PTFE section) when installing pipes.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Braid	SUS304·SUS316·SUS316L
3	Tube ring	SUS304·SUS316·SUS316L
4	Lap Joint	SGP·SUS304·SUS316·SUS316L, others
5	Loose flange	SS400·SUS304·SUS316·SUS316L, others
6	Back up gasket	Non asbestos
7	Inner Tube	PTFE (PFA available)

DTF-2900

PTFE Inserted Interlock Tube



Structure ■ PTFE straight hose is inserted into a stainless steel interlock tube.
■ PTFE on fluid contact portion provides excellent anti-corrosion property.

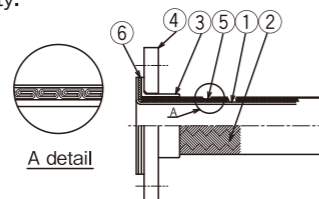
Use ■ Pipes for medical fluid, food, and chemicals.

Feature ■ The use of a straight tube creates smooth inner surface with no unevenness which prevents fluid from accumulating.
■ PTFE on fluid contact portion provides excellent anti-corrosion property.

■ Available NB 15A~100A

Caution

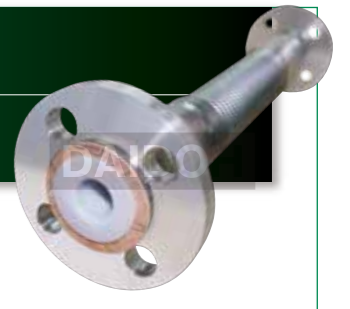
※Please avoid scratching the gasket surface (the PTFE section) when installing pipes.
※The JPI standard and ANSI standard for 15A cannot be produced.



Item	Name	Material
1	Inner Tube	PTFE (PFA available)
2	Braid	SUS304
3	Flange collar	SUS304
4	Loose flange	SUS304
5	Interlock Tube	SS400·SUS304
6	Back up gasket	Non-asbestos

DTF-2600

PTFE Corrugation Hose Inserted (H-type)



Structure ■ PTFE corrugation hose is inserted into a stainless steel flexible tube.
■ PTFE on fluid contact portion provides excellent anti-corrosion property.

Use ■ Pipes for medical fluid, food, and chemicals.

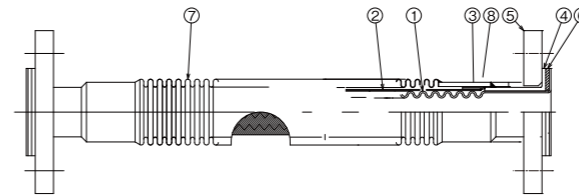
Feature

■ The use of a corrugated hose provides excellent flexibility and easy installation. This product is suitable for bending and movement.
■ The corrugated hose on the inside is reinforced with stainless steel wire braid and has excellent pressure resistance.
■ Leakage to the outside can be prevented because the outside is covered with a stainless steel flexible hose even when the corrugated hose is damaged.
■ The damage on the corrugated hose inside can be checked beforehand by attaching a leakage detection nozzle to the stainless steel flexible hose on the exterior.

■ Available NB 10A~250A

■ Underground installation type can also be produced. Please inquire us.

■ The attachment of the leakage detection nozzle is an optional.



Caution

※Please avoid scratching the gasket surface (the PTFE section) when installing pipes.

Item	Name	Material
1	Tube	PTFE
2	Braid	SUS304·SUS316·SUS316L
3	Tube ring	SUS304·SUS316·SUS316L
4	Stub end	SUS304·SUS316·SUS316L
5	Loose flange	SS400·SUS304·SUS316·SUS316L
6	Back up ring	Non asbestos
7	Jacket tube	SUS304·SUS316L
8	Pipe end	SUS304·SUS316·SUS316L

DTF-2700

PTFE Corrugation Hose Inserted (B-type)



Structure ■ PTFE corrugation hose is inserted into a stainless steel flexible tube.
■ PTFE on fluid contact portion provides excellent anti-corrosion property.

Use ■ Pipes for medical fluid, food, and chemicals.

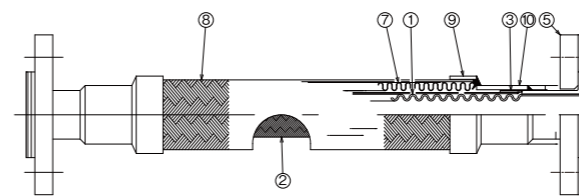
Feature

■ The use of a corrugated hose provides excellent flexibility and easy installation. This product is suitable for bending and movement.
■ The corrugated hose on the inside is reinforced with stainless steel wire braid and has excellent pressure resistance.
■ Leakage to the outside can be prevented because the outside is covered with a stainless steel flexible hose even when the corrugated hose is damaged.
■ The damage on the corrugated hose inside can be checked beforehand by attaching a leakage detection nozzle to the stainless steel flexible hose on the exterior.

■ Available NB 10A~250A

■ Underground installation type can also be produced. Please inquire us.

■ The attachment of the leakage detection nozzle is an optional.



Caution

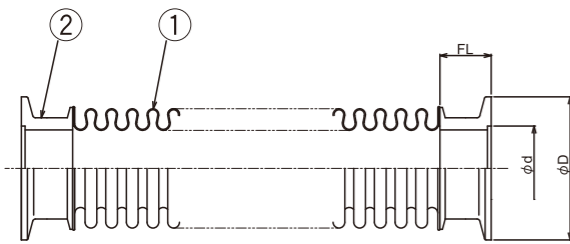
※Please avoid scratching the gasket surface (the PTFE section) when installing pipes.

Item	Name	Material
1	Tube	PTFE
2	Braid	SUS304·SUS316·SUS316L
3	Tube ring	SUS304·SUS316·SUS316L
4	Stub end	SUS304·SUS316·SUS316L
5	Loose flange	SS400·SUS304·SUS316·SUS316L
6	Back up ring	Non asbestos
7	Jacket tube	SUS304·SUS316L
8	Braid	SUS304·SUS316·SUS316L
9	Tube ring	SUS304·SUS316·SUS316L
10	Pipe end	SUS304·SUS316·SUS316L

DFV-40000

Vacuum NW Flange

Feature ■ The attachment using a clamp allows easy removal and attachment.



(Unit: mm)

NB	d	D	FL
NW10	12.2	30	20
NW16	17.2	30	20
NW25	26.2	40	20
NW40	41.2	55	20
NW50	52.2	75	20
NW63	70.2	87	25
NW80	83.0	114	25
NW100	102.0	134	25

Item	Name	Material
1	Tube	SUS304·SUS316L
2	NW Flange	SUS304·SUS316L

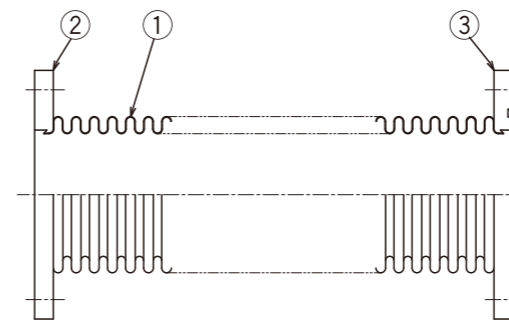
Desired total length can be produced.

DFV-42000 JIS B 2290 Flange VF x VG type

Vacuum Fixed Flange

Structure ■ Both ends fixed flanges as standard specification.
■ VF flange or VG flange can also be produced for both ends.

Feature ■ The use of an O-ring structure provides high air-tightness.



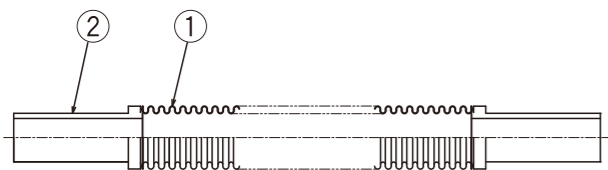
Item	Name	Material
1	Tube	SUS304·SUS316L
2	VF Flange	SUS304·SUS316L, others
3	VG Flange	SUS304·SUS316L, others

● Available NB: 10A~1000A (15A·32A not specified in JIS B2290)
● Desired total length can be produced.

DFV-41000

Vacuum Pipe-End

Feature ■ The pipe-end type allows easy pipe layout using bite-type joints, such as Swagelok and other joints.



NB	Pipe OD
6A	φ6.35
10A	φ9.52
15A	φ12.7
25A	φ25.4
40A	φ42.7
50A	φ60.5

Item	Name	Material
1	Tube	SUS304·SUS316L
2	Pipe	SUS304·SUS316L

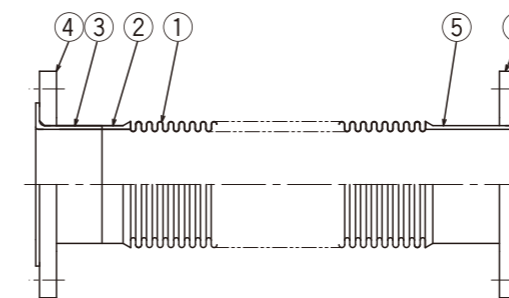
Desired total length can be produced.

DFV-43000 JIS B 2290 Flange VF x VG type

Vacuum One end Loose One end Fixed Flange

Structure ■ The standard specification is the loose flange for the VF side and fixed flange for the VG side.
■ Loose type for both sides can also be produced.
■ VF flange or VG flange for both sides can also be produced.

Feature ■ The use of an O-ring structure provides high air-tightness.



Item	Name	Material
1	Tube	SUS304·SUS316L
2	Pipe end	SS400·SUS304·SUS316·SUS316L
3	Lap joint	SGP·SUS304·SUS316·SUS316L
4	Loose flange (VF)	SS400·SUS304·SUS316·SUS316L
5	Pipe end	SGP·SUS304·SUS316·SUS316L
6	Fixed flange (VG)	SS400·SUS304·SUS316·SUS316L

● Available NB: 10A~1000A (15A·32A not specified in JIS B2290)
● Desired total length can be produced.

Caution

※ Anti-corrosion gasket for stainless steel is recommended for connecting with pipes when the flange of a connecting part is made of stainless steel.

※ Please contact us for details, for pipe layout that generates mechanical operation displacement or vibration.