

1. Applications and Features

Purpose	Gap adjustment of plumbing, Absorbing lateral movement
Location	Chemical plant, Food and Beverage, Pharmaceutical plant, Pure water etc.
Features	This flexible joints using fluororesin hose with excellent corrosion resistance, heat resistance, and weather resistance. Fluid contacting part is fluororesin, loose flange type.

2. Structure and Parts

Figure 1 shows the structure, and Table 1 shows the part names and materials.

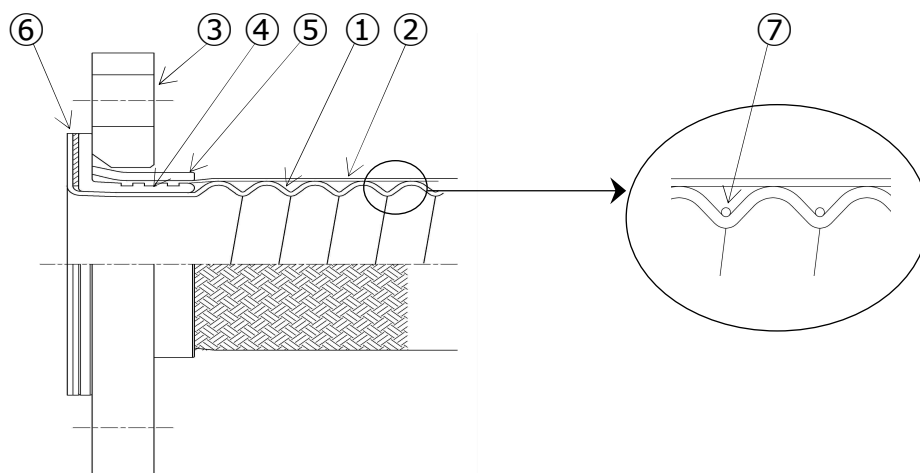


Figure 1 . Structure

Table1. Parts List

No.	Name	Material (Option)
1	Hose	PTFE
2	Braide	Stainless steel 304
3	Flange	Stainless steel 304 (Stainless steel 316) (Stainless steel 316L)
4	Sleeve	Stainless steel 304
5	Cover	Stainless steel 304
6	Gasket	Joint sheet without asbestos
7	Ring (200A only)	Stainless steel 304

※Flange rating : JIS 10K

※Product size : 15A~200A

3. Minimum bending radius, manufacturing product length and maximum working pressure

Table 2 shows minimum bending radius, manufacturing product length and maximum working pressure

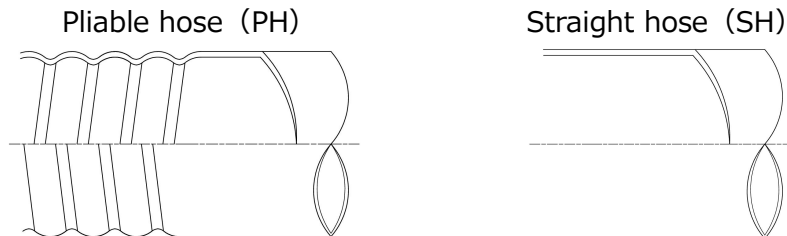


Figure2. Hose type

Table2. Minimum bending radius, manufacturing product length and maximum working pressure
Unit : mm

Size	Minimum bending radius		Manufacturing product length		Maximum working pressure (MPa)	
	PH	SH	PH	SH	PH	SH
15A	51	250	120~30000	120~3000	0.98	0.98
20A	70	300	120~30000	120~3000	0.98	0.98
25A	102	400	120~30000	120~3000	0.98	0.98
32A	140	500	130~30000	130~3000	0.98	0.98
40A	153	800	130~30000	130~3000	0.98	0.98
50A	191	1000	130~30000	130~3000	0.98	0.98
65A	300	—	150~3400	—	0.98	—
80A	400	—	150~2900	—	0.98	—
100A	500	—	170~2900	—	0.98	—
125A	500	—	200~2100	—	0.78	—
150A	600	—	200~2100	—	0.58	—
200A	800	—	200~1800	—	0.48	—

※Maximum working pressure is at normal temperature.

4. Applicable temperature range -20℃~150℃

5. Option

Negative pressure specification	V-sleeve is inserted inside the end and stainless spring is wrapped around the outer surface of the hose to enhance resistance to negative pressure.
Polypropylene braid specification	Resin braid are used to prevent SUS braid damage due to corrosive gas permeation. (Applicable size : 15A~100A)
Anti-static specification	Hoses with carbon added to prevent static electricity buildup in the hoses. (Applicable bore size : 15A~50A)

※All the above options are available only for PH type.

6. Inspection

Inspection items : Visual inspection, Dimensional inspection (Overall length),
Leak inspection

Frequency : ALL

7. Notes

- If a fluoroplastic hose is used in a negative pressure environment, the hose may deform inward and be damaged.
If the internal pressure is negative, use a product with a negative pressure specification.
- When using corrosive gases or vaporizing fluids such as hydrochloric acid, the permeated corrosive components may absorb moisture in the air and generate acid, which may corrode the stainless steel blade.
If there is such a risk, use a product with polypropylene braid specification.
- In case of high specific gravity fluid, fuel, or high-pressure steam, the hose inside may become charged with static electricity.
If the accumulated static charge exceeds the charge limit, it may discharge toward the outer braid, which may cause damage to the hose.
If there is such a possibility, use a product with anti-static specification.
- Please refer to the "Installation Instructions" for installation procedures.