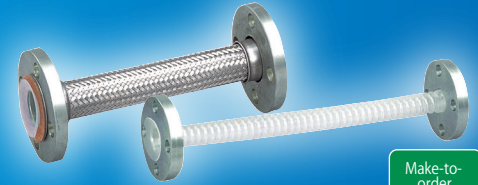


Fluoropolymer flexible joint Corrugated type

POLIFLEX SOFT (Flange Type)

More flexible fluoropolymer hose by corrugating process at low cost



Make-to-order products

Feature

Flexibility

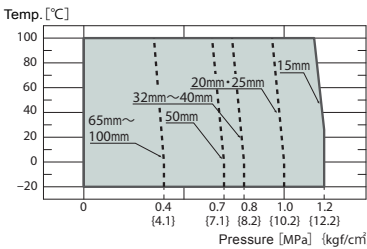
Only small radius of curvature is needed for displacement absorption.

Various Products

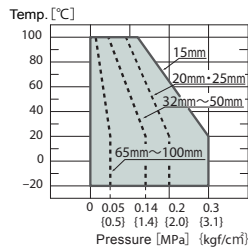
A reduced in size which make it lower in cost due to the low friction feature of fluoropolymer.

Operating Conditions and Performance

100F

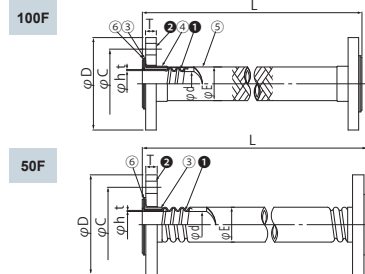


50F



• Please use within the operation range of maximum operation pressure and maximum service temperature.

Structure



No.	Parts	Material	No.	Parts	Material
①	Corrugation hose	Fluoropolymer	④	Taper ring	SUS304
②	Flange	SUS304	⑤	Wire blade	SUS304
③	Flange collar	SUS304	⑥	Back up gasket	Joint sheet

Flange compatible dimension	Standard	JIS10K
	changeable	<input type="radio"/> JIS5K <input checked="" type="checkbox"/> Potable water <input checked="" type="checkbox"/> JIS20K <input checked="" type="checkbox"/> ANSI

Material	Standard	SUS304
	changeable	<input type="radio"/> SS400 <input checked="" type="checkbox"/> FCD450 <input checked="" type="checkbox"/> SUS316 <input type="radio"/> Polyvinyl chloride

Dimensions and Minimum bending radius

100F·50F

Nominal Dia.		Dimension [mm]					JIS10K flange				Minimum bending radius [mm]	Maximum product length [mm]	
mm	inch	ϕd	ϕh	t	ϕE		ϕD	ϕC	T	h- ϕH		Minimum	Maximum
15	1/2	12.5	14	1.0	22	20	95	70	12	4-15	50	250	10000
20	3/4	19	19.5	1.0	29.5	27.5	100	75	14	4-15	80	250	10000
25	1	24	24.5	1.2	34	32	125	90	14	4-19	100	250	10000
32	1 1/4	29	34	1.2	40	38	135	100	16	4-19	130	250	10000
40	1 1/2	35	38	1.2	47	45	140	105	16	4-19	150	250	10000
50	2	46	50	1.2	60	58	155	120	16	4-19	200	250	6500
65	2 1/2	59	65	1.5	76	73.5	175	140	18	4-19	230	250	4200
80	3	74	76	1.5	92	89.5	185	150	18	8-19	250	250	3200
100	4	90	99	1.5	115	113	210	175	18	8-19	280	250	3500

• In the table above Referring to "fixing bolt dimension table", and use fixing bolt. Nut is not necessary. (When companion flange is JIS 10K, material is SS400, Or SUS304·316 and when plain washer and gasket are not used.)

Eccentricity amount by face-to-face dimension [Y]

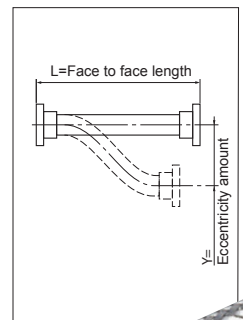
part can be produced, but displacement is not available.

100F

Nominal Dia.		Face to face length [L]							
mm	inch	300	400	500	600	700	800	900	1000
15	1/2	25	39	53	67	81	96	110	124
20	3/4	23	37	51	65	79	93	107	121
25	1	19	34	48	62	76	90	104	118
32	1 1/4	17	31	45	59	73	87	101	115
40	1 1/2	14	28	42	56	71	85	99	113
50	2	8	22	36	50	64	79	93	107
65	2 1/2	1	15	29	43	57	71	85	99
80	3		10	24	38	52	66	80	94
100	4		3	17	31	45	59	73	87

50F

Nominal Dia.		Face to face length [L]							
mm	inch	300	400	500	600	700	800	900	1000
15	1/2	26	40	54	68	82	96	110	124
20	3/4	23	37	51	65	79	93	107	121
25	1	20	34	48	62	76	90	104	118
32	1 1/4	17	31	46	60	74	88	102	116
40	1 1/2	15	29	43	57	71	85	99	113
50	2	9	23	37	51	65	79	93	107
65	2 1/2	1	15	29	43	57	72	86	100
80	3		10	24	39	53	67	81	95
100	4		3	17	31	45	59	74	88



This brochure may be revised without prior notice. We apologize in advance for any inconvenience this may cause.

Agent

TOZEN Corporation
8-4, Asahi, Yoshikawa
Saitama 342-0008 Japan

Fluoropolymer flexible joint Corrugated type

POLIFLEX SOFT (Union Type)

More flexible fluoropolymer hose by corrugating process at low cost



Make-to-order products

Feature

Flexibility

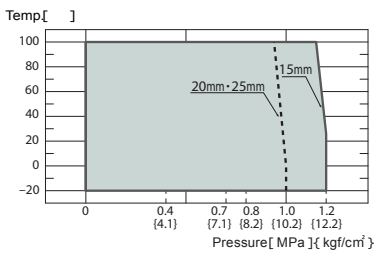
Only small radius of curvature is needed for displacement absorption.

Various Products

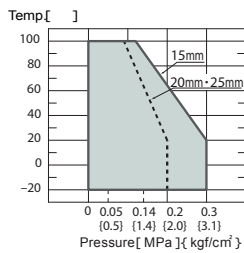
A reduced in size which make it lower in cost due to the low friction feature of fluoropolymer

Operating Conditions and Performance

100J

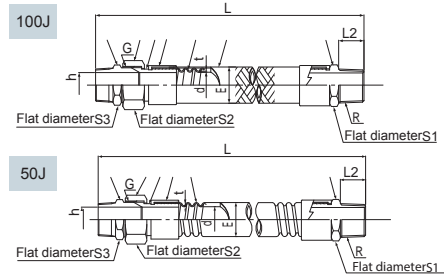


50J



• Please use within the operation range of maximum operation pressure and maximum service temperature.

Structure



No.	Parts	Material	No.	Parts	Material
	Corrugation hose	Fluoropolymer		Male adaptor	SUS304
	Swivel nut	SUS304		Connection fitting	SUS304
	Core bar	SUS304		Wire braid	SUS304
	Cover	SUS304			

Material	Standard	SUS304
	changeable	<input checked="" type="checkbox"/> SS400 <input checked="" type="checkbox"/> FCD450 <input checked="" type="checkbox"/> SUS316 <input checked="" type="checkbox"/> Polyvinyl chloride

• Standard type of connection fitting is male adaptor + male nipple, but possible to change to other type (refer below).

Dimensions and Minimum bending radius

100J-50J

Nominal Dia.		Dimension [mm]				Joint fitting [mm]							Minimum bending radius [mm]	Maximum product length [mm]	
mm	inch	φd	t	φE		R	L2	S1	S2	S3	G	φh		Minimum	Maximum
15	1/2	12.5	1.0	100J: 22	50J: 20	R1/2	16	23	26	23	G1/2	12	50	270	10000
20	3/4	15	1.0	25	23	R3/4	19	29	32	29	G3/4	17	60	270	10000
25	1	19	1.0	29.5	27.5	R1	22	35	41	35	G1	23	80	300	10000

• Use the flexible joint not less than the minimum bending radius.

Type of connection fitting

Connection fitting No.	Type of hose side fitting	Companion clamp type			
		Screw	Fixed + Fixed	Fixed + Adaptor	Adaptor + Adaptor
1	Male nipple (fixed)+Male nipple (fixed)		×		
2	Male adaptor+Male nipple (fixed)	Tapered female screw+Tapered female screw			
3	Male adaptor+Male adaptor				
4	Male adaptor+Female adaptor	Tapered female screw+Tapered male screw			
5	Male nipple (fixed)+Female adaptor				
6	Female adaptor+Female adaptor	Tapered male screw+Tapered male screw			

• Standard specification is No.2 male adaptor + male nipple. Please state the fitting No. when placing an order.

Usable × Unusable

Eccentricity amount by face-to-face dimension [Y]

100J

Nominal Dia.		Face to face length [L]								
mm	inch	300	400	500	600	700	800	900	1000	
15	1/2	19	33	47	61	75	89	103	117	
20	3/4	17	31	45	59	73	87	101	115	
25	1	12	26	40	54	68	82	96	111	

50J

Nominal Dia.		Face to face length [L]								
mm	inch	300	400	500	600	700	800	900	1000	
15	1/2	19	33	47	61	75	89	103	117	
20	3/4	17	31	45	59	73	87	101	115	
25	1	12	26	40	54	68	82	96	111	

This brochure may be revised without prior notice. We apologize in advance for any inconvenience this may cause.

Agent

TOZEN Corporation

8-4, Asahi, Yoshikawa
Saitama 342-0008 Japan

