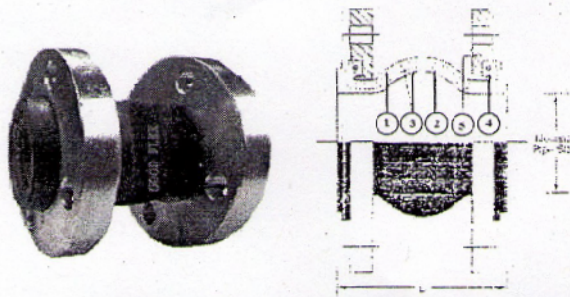


GOODFLEX RUBBER EXPENSION JOINT

UNIVERSAL FLANGE STANDARD: PN10/16, ANSI 150# & JIS 10K

SINGLE SPHERE MODEL : GF-900



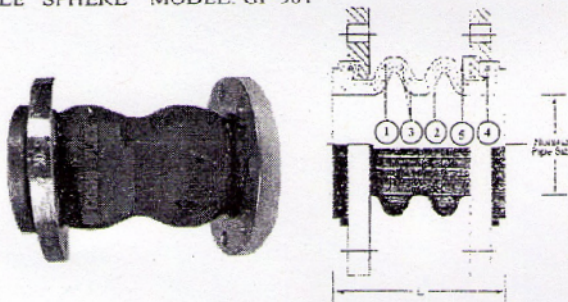
S/NO	PART NAME	MATERIAL
1	Body (Outer Layer)	EPDM Rubber
2	Body (Inner Layer)	EPDM Rubber
3	Reinforcing Fabric	Nylon Fabric
4	Wire	Hard Steel Wire
5	Flange	Ductile Iron With Epoxy Coated

Nominal Pipe Size (DN)	INCH	1.1/2	2	2.1/2	3	4	5	6	8	10	12
	MM	40	50	65	80	100	125	150	200	250	300
Neutral Length (L)	MM	95	105	115	130	135	170	180	205	240	260
Axial Compression	MM	8	8	12	12	18	18	18	25	25	25
Axial Elongation	MM	4	4	6	6	10	10	10	14	14	14
Lateral Deflection	MM	8	8	10	10	12	12	12	22	22	22
Angular Deflection	DEG	15	15	15	15	15	15	15	15	15	15

OPERATING PRESSURE : 16 BAR
OPERATING TEMPERATURE : -10 to 80 Deg C
VACUUM RATING : 700 MM/HG
BURST PRESSURE : 48 BAR

OPERATING TEMPERATURE DEG C	AMBIENT	50	60	70	80
MAXIMUM OPERATING PRESSURE (BAR)	16	12.4	10	7.5	6.5

DOUBLE SPHERE MODEL: GF-901



S/NO	PART NAME	MATERIAL
1	Body (Outer Layer)	EPDM Rubber
2	Body (Inner Layer)	EPDM Rubber
3	Reinforcing Fabric	Nylon Fabric
4	Wire	Hard Steel Wire
5	Flange	Ductile Iron With Epoxy Coated

Nominal Pipe Size (DN)	INCH	1.1/2	2	2.1/2	3	4	5	6	8	10	12
	MM	40	50	65	80	100	125	150	200	250	300
Neutral Length (L)	MM	175	175	175	175	225	225	225	325	325	325
Axial Compression	MM	25	25	25	25	30	30	30	40	40	40
Axial Elongation	MM	15	15	15	15	20	20	20	25	25	25
Lateral Deflection	MM	20	20	20	20	25	25	25	30	30	30
Angular Deflection	DEG	30	30	30	30	30	30	30	30	30	30

OPERATING PRESSURE : 16 BAR
OPERATING TEMPERATURE : -10 to 80 Deg C
VACUUM RATING : 650 MM/HG
BURST PRESSURE : 48 BAR

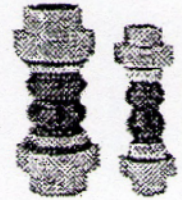
OPERATING TEMPERATURE DEG C	AMBIENT	50	60	70	80
MAXIMUM OPERATING PRESSURE (BAR)	16	12.4	10	7.5	6.5

GOOD FLEX RUBBER FLEXIBLE JOINT

Twin - Sphere Connection With Union

Model: GF-902

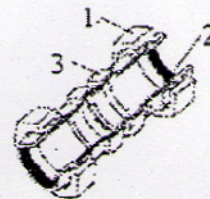
GOOD FLEX is designed for supply/distribution pipeline service or to connect piping to specific equipment application such as: Pumps, Chillers, Cooling Towers, Compressors, Blowers, Fans Absorption Machines, etc. Installed next to mechanical equipment or between the anchor points of piping systems



- | | |
|---------------------------------|--|
| 1. Absorb Pipe/Movement/Stress. | 4. Compensate alignment/offset |
| 2. Decrease Systems Noise. | 5. Eliminate Electrolysis |
| 3. Isolate Vibration. | 6. Protect Against Start up / Surge Forces |

GOOD FLEX is engineered for tough, demanding industrial and commercial application, as found in: Air Conditioning-Heating and Ventilating systems, Chemical-Petrochemical and Industrial Process Piping Systems, Power Generating Plants, Steel Mills, Marine Service, Pulp & Paper systems, Water-Wastewater sewage and pollution control systems.

Item	Part	Material
1.	Union	FB32
2.	Reinforcing Cloth	Nylon Fabric
3.	Elastomer	Synthetic Rubber



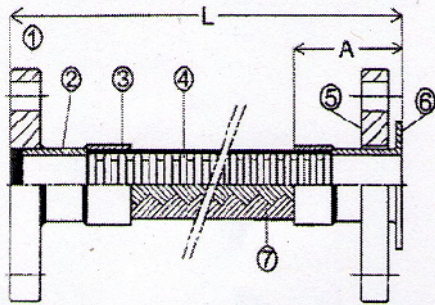
Operating	PSI	kPa
Working Pressure	142	982
Burst Pressure	711	4,905
Pressure Rating	90	621
Vacuum Rating	400 mm/Hg	
Temperature Range	-20°C ~ 100°C / -4°F ~ 212°F	

Products list

Size	L	Compression	Extension	Lateral	Angular
½	203	22	6	22	30°
¾	203	22	6	22	30°
1	203	22	6	22	25°
1¼	203	22	6	22	25°
1½	203	22	6	22	20°
2	203	22	6	22	15°
2½	225	22	6	22	12°
3	225	22	6	22	10°

GOOD FLEX Flange Type Flexible Hose

Model:GF-903

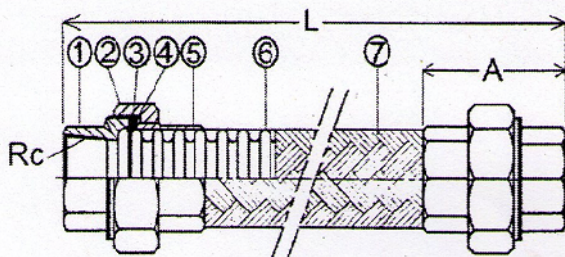


No.	Part	Material
1	Fixed Flange	Carbon Steel
2	Short Pipe	Carbon Steel
3	Collar	SUS304
4	Flexible Tube	SUS304
5	Locked Flange	Carbon Steel
6	Lap Joint	Carbon Steel
7	Wire Braid	SUS304

Max Working Temperature : 250°C

Nominal Diameter A (B)	Min. Bending Radius (mm)	Max. Working Pressure MPa {kgf/cm ² }		Overall Length			Test Pressure MPa {kgf/cm ² }	Bursting Pressure MPa {kgf/cm ² }	Ineffective Length A x 2 (mm)
		1-Braid	2-Braid	300mm	400mm	500mm			
25 (1)	240	1.47 {15}	2.94 {30}	± 23	± 46	± 66	2.2 {22.5}	5.88 {60}	140
32 (1.1/4)	300	1.47 {15}	2.94 {30}	21	47	65	2.2 {22.5}	5.88 {60}	140
40 (1.1/2)	360	1.47 {15}	2.94 {30}	17	44	62	2.2 {22.5}	5.88 {60}	140
50 (2)	450	0.98 {10}	1.96 {20}	14	37	62	1.47 {15}	3.92 {40}	140
65 (2.1/2)	490	0.98 {10}	1.96 {20}	13	34	61	1.47 {15}	3.92 {40}	140
80 (3)	600	0.98 {10}	1.96 {20}	10	28	53	1.47 {15}	3.92 {40}	140
100 (4)	800	0.98 {10}	1.96 {20}	5	16	37	1.47 {15}	3.92 {40}	150
125 (5)	1100	0.98 {10}	1.96 {20}	-	12	26	1.47 {15}	3.92 {40}	150
150 (6)	1600	0.98 {10}	1.96 {20}	-	8	16	1.47 {15}	3.92 {40}	150
200 (8)	1900	0.98 {10}	1.96 {20}	-	3	14	1.47 {15}	3.92 {40}	170

Union Type Flexible Hose Model: GF-904



No.	Parts	Materials
1	Union Screw	FCD
2	Union Nut	FCD
3	Packing	Asbestos
4	Union Collar	SUS304
5	Union Sleeve	FCD
6	Flexible Tube	SUS304
7	Wire Braid	SUS304

Max Working Temperature : 220°C

Nominal Diameter A (B)	Thread Rc	Min. Bending Radius (mm)	Max. Working Pressure MPa {kgf/cm ² }	Overall Length			Test Pressure MPa {kgf/cm ² }	Bursting Pressure MPa {kgf/cm ² }	Ineffective Length A x 2 (mm)
				300mm	400mm	500mm			
8 (1/4)	1/4	100	1.96 {20}	± 43	± 64	± 85	2.94 {30}	34.3 {350}	70
10 (3/8)	3/8	120	1.96 {20}	43	66	85	2.94 {30}	27.4 {280}	79
15 (1/2)	1/2	190	1.96 {20}	38	61	83	2.94 {30}	24.5 {250}	85
20 (3/4)	3/4	200	1.96 {20}	34	57	79	2.94 {30}	15.6 {160}	101
25 (1)	1	240	1.47 {15}	30	52	75	2.2 {22.5}	13.7 {140}	112
32 (1.1/4)	1.1/4	300	1.47 {15}	25	52	73	2.2 {22.5}	10.2 {105}	124
40 (1.1/2)	1.1/2	360	0.98 {10}	18	45	68	1.47 {15}	9.8 {100}	137
50 (2)	2	450	0.98 {10}	12	33	59	1.47 {15}	8.8 {90}	153

Applicable Fluid

Oil, Water, Hot Water, Steam, Gas, Air, Chemicals