

Fixed Flanged Type – JF-500H Series**Description**

Multiply Stainless steel bellows welded to flanges and with tie rods. Designed to absorb vibration of pump and accommodate small movement of pipeline in high working pressure/temperature.

Feature

Size Range: 2" (DN50) ~ 24" (DN600)

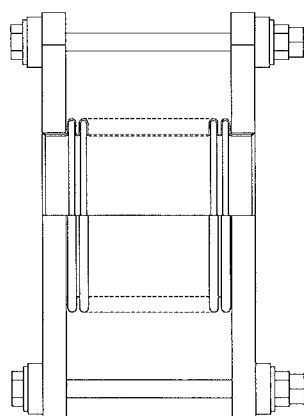
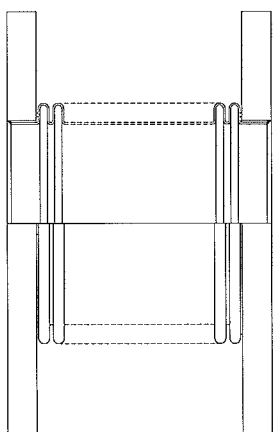
Design Pressure: Max. 37.5bar at 20 °C and 25bar at 120 °C

Life Cycles > 1,000 times

Fitted Flanges Drilling: EN 1092-1/ ISO 7005-1 PN25

CONSTRUCTION

Item	Part	Material	Specification
1	Bellows	St. St. Grade 304/316	EN 1.4301/1.4401 DIN X5CrNi1810/X5CrNiMo17122
2	Flange	Carbon Steel/ St. St. Grade 304/316	JIS SS400 EN 1.4301/1.4401 DIN X5CrNi1810/X5CrNiMo17122
3	Tie Rods	Zinc-Plated Carbon Steel	JIS SS400
4	Gasket	Rubber	

**SPECIFICATION**

Nominal Diameter	Total Length	Live Length	Fitting Length	Axial Movement	Lateral Movement	Angular Movement	Effective Area	Note
mm inch	mm	mm	mm	mm	mm	deg.	cm ²	
50 2	150	110	20	± 9	± 4	± 6	44.5	
65 2 1/2	150	106	22	± 9	± 4	± 7	44.5	
80 3	150	102	24	± 10	± 3	± 5	62.1	
100 4	150	102	24	± 13	± 3	± 4	103.4	
125 5	150	98	26	± 14	± 3	± 3	161.4	
150 6	150	94	28	± 13	± 2	± 6	222.6	
200 8	200	140	30	± 17	± 3	± 3	371.0	
250 10	200	136	32	± 18	± 3	± 4	573.6	
300 12	200	132	34	± 18	± 2	± 6	816.4	
350 14	200	120	38	± 18	± 1	± 5	1179.9	
400 16	200	120	40	± 20	± 1	± 5	1523.3	
450 18	200	120	40	± 19	± 1	± 4	1895.0	
500 20	200	105	44	± 16	± 1	± 3	2315.7	
600 24	250	156	46	± 26	± 3	± 6	3293.8	

Other movements, sizes, pressure, material expansion joint available on request

JF-500H