

DOUBLE SPHERE RUBBER FLEXIBLE JOINT

PN 16

Fig No.: F83DJ-I

GENERAL

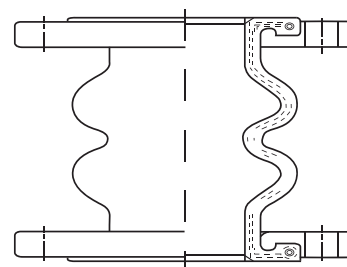
- Absorbs and reduces vibration and shock in the system
- Absorbs the stress generated by the expansion and compression of the pipe line
- Provides flexibility to the system as allowance connection and installation error
- Excellent resistance against pressure

FEATURES

- Molded and vulcanised in hydraulic presses
- Solid carbon steel internal reinforcing ring
- With BS 4504 PN16 / EN 1092-2 PN16 / ANSI CLASS 150 floating flanges (Specify on order)

APPLICATIONS

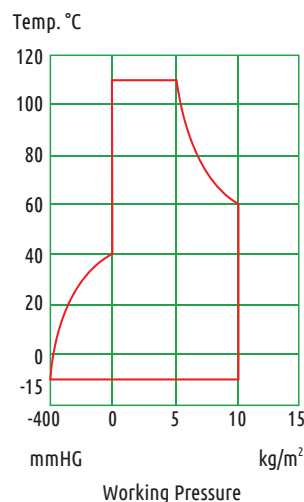
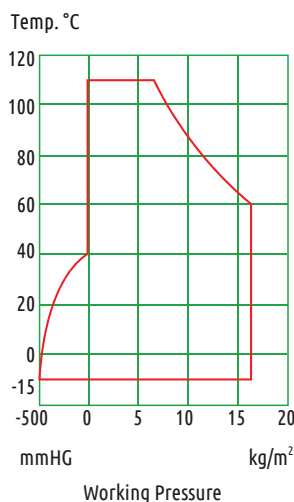
- Building Services, Air-Conditioning, Fire-Protection, Cold Water Plumbing, Sewerage & Water Treatment, Marine Services, General Industries
- Suitable for suction and discharge within specify working pressure

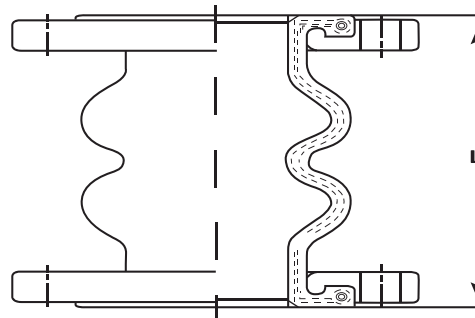


MATERIAL SPECIFICATIONS

Part	Material
Flanges	Ductile Iron (DN32 ... DN300) Carbon Steel (DN350 ... DN600)
Reinforcing Ring	Carbon Steel
Inner Rubber	EPDM
Outer Rubber	EPDM
Reinforcing Cord	Nylon
Control Rod	Mild Steel

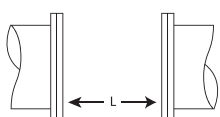
OPERATING PRESSURE & TEMPERATURE



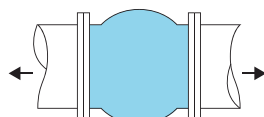


DIMENSIONS AND MOVEMENTS

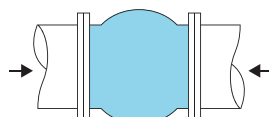
Diameter		Dimension	Pre-Gap	Allowable Movements(mm)			
mm	inch	L(mm)	L(mm)	Axial Elongation (mm)	Axial Compression (mm)	Lateral Displacement (mm)	Angle of Deflection (°)
32	1¼	175	170-180	20	30	45	30
40	1½	175	170-180	20	30	45	30
50	2	175	170-180	20	30	45	30
65	2½	175	170-180	25	50	45	30
80	3	175	170-180	25	50	45	30
100	4	225	220-230	35	50	35	30
125	5	225	220-230	35	50	35	30
150	6	225	220-230	35	50	35	30
200	8	325	320-330	35	50	30	30
250	10	325	320-330	35	50	30	15
300	12	325	320-330	35	50	30	15
350	14	345	340-350	25	40	28	10
400	16	345	340-350	25	40	28	10
450	18	345	340-350	25	40	28	10
500	20	345	340-350	25	40	28	10
600	24	345	340-350	25	40	28	10



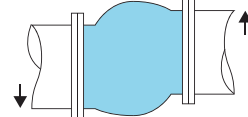
Pre-Gap



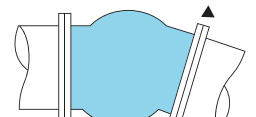
Axial Elongation



Axial Compression



Lateral Displacement



Angular Movement

DOUBLE SPHERE RUBBER FLEXIBLE JOINT

PN 25

Fig No.: F83DJ-I

GENERAL

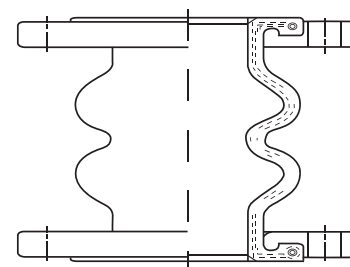
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- Absorbs the stress generated by the expansion and compression of the pipe line
- Provides flexibility to the system as allowance connection and installation error
- Excellent resistance against pressure

FEATURES

- Molded and vulcanised in hydraulic presses
- Solid carbon steel internal reinforcing ring
- With BS 4504 PN25 / EN 1092-2 PN25 / ANSI CLASS 150 floating flanges (Specify on order)

APPLICATIONS

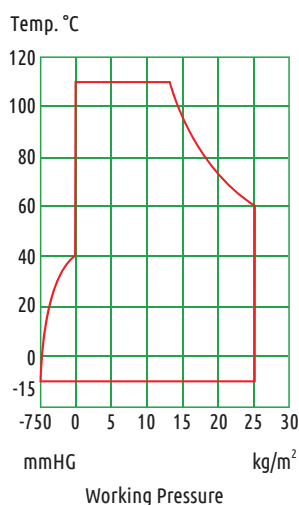
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- Suitable for suction and discharge within specify working pressure



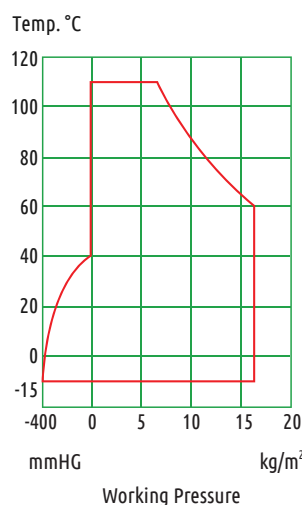
MATERIAL SPECIFICATIONS

Part	Material
Flanges	Carbon Steel
Reinforcing Ring	Carbon Steel
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Outer Rubber	EPDM
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Control Rod	Mild Steel

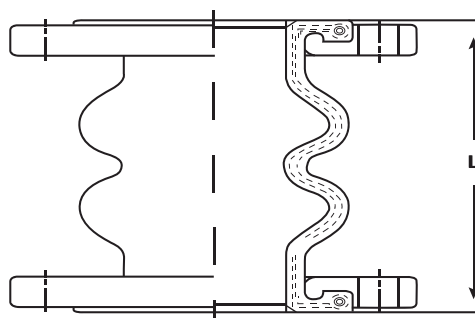
OPERATING PRESSURE & TEMPERATURE



F83DJ-I + Control Rod
DN32 ... DN300
Burst Pressure 60bar

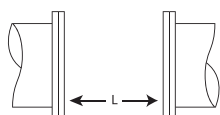


F83DJ-I + Control Rod
DN350 ... DN600
Burst Pressure 48bar

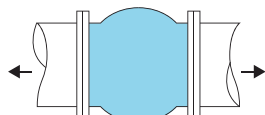


DIMENSIONS AND MOVEMENTS

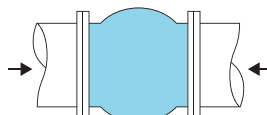
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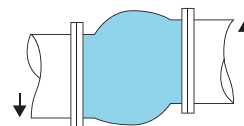
Pre-Gap



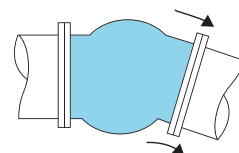
Axial Elongation



Axial Compression



Lateral Displacement



Angular Movement