Style 206 EZ-FLO®

EZ-FLO® expansion joints contain a single wide flowing arch, eliminating the need for filled arches on slurry services. Garlock EZ-FLO® expansion joints have successfully served all major industries, including pulp and paper, steel, waste and water, HVAC, power generation, chemical, petrochemical and marine.

Benefits

- Self-flushing design eliminates media buildup and reduces fluid turbulence
- High pressure- and vacuum-resistance ensures longer life and reduces inventory requirements
- Lightweight design installs easily, costs less to ship

Design

- **Tube**
  - Standard chlorobutyl liner extends to outer edge of the flange for excellent chemical resistance
  - Flowing arch design adds pressure resistance and reduces product buildup
- **Body**
  - Rubber impregnated tire cord and polyester cross-wrapped in bias-ply construction
- **Cover**
  - Homogeneous layer of chlorobutyl elastomer extends to the outside edge of the flange
  - Coated with a weather-resistant protectant

Fully Tested and Field Engineered

All Garlock expansion joint styles have been rigorously lab- and field-tested, and engineered to ensure long life and reliable service.

Special Liner* and Cover Materials

- Neoprene
- EPDM
- Hypalon**
- FDA materials available
- Nitrile
- Natural (tube only)

Temperature

	Max. Temp.
Chlorobutyl/nylon tire cord	+250°F (+120°C)
Chlorobutyl/Kevlar** tire cord/ EPDM tube and cover	+300°F (+150°C)

* When EZ-FLO® expansion joints are furnished with special liners, temperature and pressure ratings may change.

** Kevlar is a registered trademark of DuPont; Hypalon is a registered trademark of DuPont Dow Elastomers.

Pressure and Vacuum Rating

	Pipe I.D. Inch	Pipe I.D. mm	Pressure psi	Pressure bar	Vacuum in. Hg	Vacuum mm Hg
Style 206 EZ-FLO®†	2-10	50-250	250	17	26	650
	12	300	250	17	12	300
	14	350	130	9	12	300
	16-20	400-500	110	8	12	300
	22-24	550-600	100	7	12	300
	26-40	650-1,000	90	6	12	300
	42-66	1,050-1,650	80	5.5	12	300
	68-84	1,700-2,100	70	5	12	300
	86-120	2,150-3,000	60	4	12	300

† Pressure and vacuum ratings are for standard FF dimensions only. Consult Garlock for alternate sizes and corresponding pressure/vacuum ratings. Consult Garlock for larger sizes. Metric sizes available on request.

Movement Capabilities

	Type Movement	Pipe I.D. Inch	Pipe I.D. mm	Movement Inch	Movement mm
	Compression	2-5	50-125	3/4	19
		6-18	150-450	1	25
		20-24	500-600	1-1/8	30
		26-40	650-1,000	1-1/4	32
		42 & Up	1,050 & Up	1-3/8	35
	Elongation	2-5	50-125	3/8	10
		6-18	150-450	1/2	12
		20-24	500-600	1/2	12
		26 & Up	650 & Up	1/2	12
	Transverse (Lateral)	2-8	50-200	1/2	12
		10 & Up	250 & Up	1/2	12

Control Units

Control units must be used to protect expansion joints from excessive movement if piping is not properly anchored. See page B-19 for information.