

GUARDIAN® 200 and 200HP

Garlock GUARDIAN® 200 expansion joints consist of a chemically-resistant FEP* liner mechanically bonded to an abrupt arch. A chlorobutyl cover and blue protective coating add resistance to environmental effects. (Alternate cover materials available.)

Benefits

- High-density FEP liner reduces permeation and offers optimal chemical resistance
- Mechanically bound liner reduces delamination; no glue to be vulnerable to chemical attack
- High pressure and vacuum resistance ensures suitability for broad range of applications
- Available with GYLON® 3545 gasket face for raised face flange connections

Design

- **Tube**
 - Seamless FEP lining extends to the outer edge of the flange; completely fused to the joint body
 - Abrupt arch design used for maximum movement capabilities

Body

- Chlorobutyl/Polyester construction with welded, treated metal body rings for dimensional stability

Cover

- Homogeneous layer of chlorobutyl elastomer is standard
- Elastomer extends to the outside diameter of the flange

Temperature

Max. Temp.

Standard Chlorobutyl/Polyester.....+250°F (+120°C)

Chlorobutyl/Fiberglass/Kevlar**

with EPDM cover.....+300°F (+150°C)

Fluoroelastomer w/ Fiberglass/Kevlar .+400°F (+205°C)

* Fluorinated Ethylene Propylene

** Kevlar is a registered trademark of DuPont.

Pressure & Vacuum Rating

	Pipe I.D.		Pressure		Vacuum	
	Inch	mm	psi	bar	in. Hg	mm Hg
GUARDIAN® 200†	2-4	50-100	165	11	29.9	750
	5-12	125-300	140	10	29.9	750
	14	350	85	6	29.9	750
	16-24	400-600	65	5	29.9	750
	26-30	650-750	55	4	29.9	750
GUARDIAN® 200HP†	2-4	50-150	200	14	29.9	750
	5-12	200-300	190	13	29.9	750
	14	350	130	9	29.9	750
	16-20	400-500	110	8	29.9	750
	22-24	550-600	100	7	29.9	750
	26-30	650-750	90	6	29.9	750



Movement Capabilities

Please refer to table on pages 18 & 19.

Made in the U.S.A.

† Higher pressure designs are available. Call Garlock with application details.