



6801 CROSSBOW DRIVE • EAST SYRACUSE, NY USA 13057 315.437.1611

• FAX 315.437.1903 • EMAIL: FLEXHOSE@FLEXHOSE.COM

Standard Specification

(2014Aug 1PXJ.docx)

RECOMMENDED ENGINEERING SPECIFICATION FOR BELLOWSFLEX SINGLE PLY METAL EXPANSION JOINT

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. BellowsFlex single-ply stainless steel bellows expansion joint. Provide appropriate model single-ply bellows expansion joint for attachment to mating piping
 - a. Model BellowsFlex BF/50-FxF (150# carbon steel plate flange – 50 PSI working pressure)
 - b. Model BellowsFlex BF/50-WxW (carbon steel weld ends – 50 PSI working pressure)
 - c. Model BellowsFlex BF/150-FxF (150# carbon steel plate flange – 150 PSI working pressure)
 - d. Model BellowsFlex BF/150-WxW (carbon steel weld ends – 150 PSI working pressure)

1.02 MANUFACTURER

- A. Provide appropriate model single-ply bellows expansion joint as manufactured by Flex-Hose Co., or approved equal.

PART 2 PRODUCTS

2.01 Metal expansion joints(s)

- A. Expansion joints shall be made in the USA.
- B. Bellows element shall be a single ply of stainless steel material
- C. Flanged units shall have 150# carbon steel plate fixed flanges (ANSI OD and drilling)
- D. Weld end units shall be a carbon steel schedule 40/standard wall pipe (minimum)
- E. The rated working pressure of the bellows shall have a minimum 3:1 safety factor as per EJMA (Expansion Joint Manufacturers Association)
- F. Optional tie rods are to be utilized in applications where over-extension of the expansion joint may occur.
- G. Optional compression stops are to be utilized in applications where over-compression of the expansion joint may occur.
- H. Where tie rods are required the flanges must be configured with three (minimum) tie rods equally spaced, to prevent over travel and react to thrust loads resulting from internal pressure.
- I. For the Canadian market they must be CSA standard B51 certified, inspected and tested by the Technical Standards & Safety Authority of Canada with a 4:1 safety factor per EJMA

www.flexhose.com • 1.877.TRI FLEX

A world of difference in critical piping connections since 1968.™