



MASON INDUSTRIES, Inc.

MERCER RUBBER Co.

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JOB NAME
CUSTOMER
CUSTOMER P.O.
MASON M.
DWG No.

HEJFFL4-SS-NSF

4" (100mm) Movement
SS HOUSED
EXPANSION JOINT
with FIXED and
FLOATING FLANGES

Bellows are externally pressurized.
3.5 Minimum Safety Factor for both
Bellows and Housing.

Full Vacuum Rating- 30" (762mm) Hg

4" (100mm) COMPRESSION
3/4" (19mm) EXTENSION
MOVEMENT SCALE

RAISED FACE FIXED FLANGE
150 lb ASA Drilling or as checked

STANDARD WEIGHT PIPE with MOVING END

LOCKING BOLTS Release after installation table with columns for HEJ Size and Bolt No & Size

NPT DRAIN PORT (Coupling and Plug) table with columns for HEJ Size and Plug Size

Drain Plugs are often removed to allow attachment of drain hose for blow down or drainage.

ALL COMPONENTS STAINLESS STEEL

FLOATING FLANGE
150 lb ASA Drilling or as checked below
ASA-300
DIN 10
DIN 16
DIN 25



CLASSIFIED WATER QUALITY
DRINKING WATER SYSTEM COMPONENT
ANNEX G of ANSI / NSF 61 (4RV6)

FLANGE BOLT and NUT REQUIREMENT (by Others)

Table with columns: Size, Quantity, Size & Length

FLOATING FLANGE RETAINER prevents smashed fingers

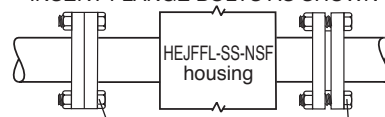
FIXED END

2 PLY BELLWS
Sizes 2 to 6- 2 Sections
Sizes 8-14- 1 Section
Clearance on both sides to eliminate wear

BELLWS CLEARANCE PLATE FLANGE

Table with columns: Pipe Size (in/mm), Flange Thickness T (in/mm)

INSERT FLANGE BOLTS AS SHOWN



HEAD AT FIXED FLANGE- INSIDE HEAD AT FLOATING FLANGE- PIPE SIDE

Conforms to UL and ANSI/NSF 61 Approved Temperature Range.

HEJFFL-SS-NSF4 DIMENSIONS AND PRESSURE RATINGS (American & Metric Units) 4" (100mm) COMPRESSION, 3/4" (19mm) EXTENSION

Large table with columns: Pipe Size, Overall Length, ME Moving End Neutral Length, FE Fixed End Length, Outer Housing O.D., Nominal Bellows Clearance, Spring Rate, Thrust, Rated Pressure, Ship Wt.

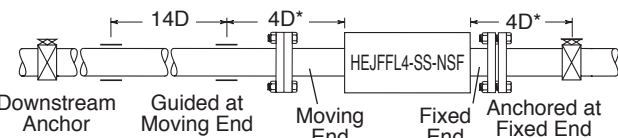
\*Lower Thrust Forces in proportion at lower pressures, i.e. 100 psi Force = 100/225 x published Thrust. Forces on Pipe Anchors must include Thrust Force and Spring Force.

HEJ's installed in piping systems must be anchored on both sides of the joint. HEJ's installed in unanchored piping must have control rods.

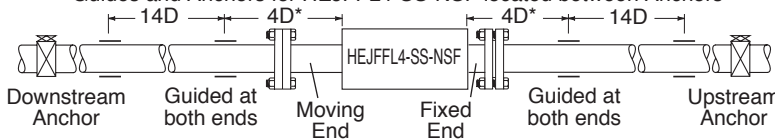
When using HEJFFL-SS-NSF products in copper or brass water systems, dielectric flanges must be used on each end to prevent leakage from galvanic action.

GUIDE SPACING - Referencing Pipe Diameter "D"

Guides and Anchor for HEJFFL4-SS-NSF located near Anchor



Guides and Anchors for HEJFFL4-SS-NSF located between Anchors



\*Plus an additional 5" (125mm) for Sizes 2 & 2 1/2

Table with columns: QTY, SIZE, TAG

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