

SERIES	MODELS	CONFIG.	SEAL TYPE	TITLE
Endura Centrifugal	Group 1: 1-1/2x1x6, 3x1-1/2x6, 1-1/2x1x8 Group 2: 3x2x8, 4x3x8G, 3x2x10, 4x3x10H	ANSI 150# & 300# Flanges	Mag-Drive	Flange Pressure vs. Temperature Ratings & Allowable Nozzle Loads

Flange Pressure vs. Temperature Ratings			
Service Temperature	Maximum Pressures (PSIG)		
	150# Class	300# Class	316 SS Alloy-C
(°F)	316 SS Alloy-C	316 SS Alloy-C	Alloy-C
-20	275	290	720
100	38	275	290
200	93	235	260
300	149	215	230
400	204	195	200
500	260	170	170
600	316	140	140

NOTES:

- 1) Flange Pressure vs. Temperature Ratings are based on Standard ASME B16.5-2020.
- 2) All forces and moments are considered about the three axes (X, Y and Z) of the suction (s) flange and discharge (d) flange.
- 3) All forces (F_{xi}, F_{yi}, F_{zi}) and moments (M_{xi}, M_{yi}, M_{zi}) applied from piping to flange are considered at the intersection of the three axes, and at the face of that particular flange.
- 4) All forces and moments are considered positive in the directions indicated on the drawing and negative in the opposite directions.
- 5) Allowable Nozzle Loads of all forces and moments imposed by the piping for ANSI/ASME B73.1 & B73.3 Sealless (Mag-drive) Horizontal End Suction Centrifugal Pumps shall be in accordance with the criteria in Standard ANSI/HI 9.6.2.

