

Storage Tank and Reservoir Equipment

Model 2249 Single Range Floating Suction Unit

Standard Features:

The Model 2249 floating suction unit operates into horizontal and vertical storage tanks of large diameter and is designed to suck the clean product just below the product surface. This is in order to prevent the contamination of the product with sediments which settle on the bottom of the tank. Such a position of the suction surface is guaranteed by the presence of floating units, properly sized according to the weight of the arm and of the stored product.

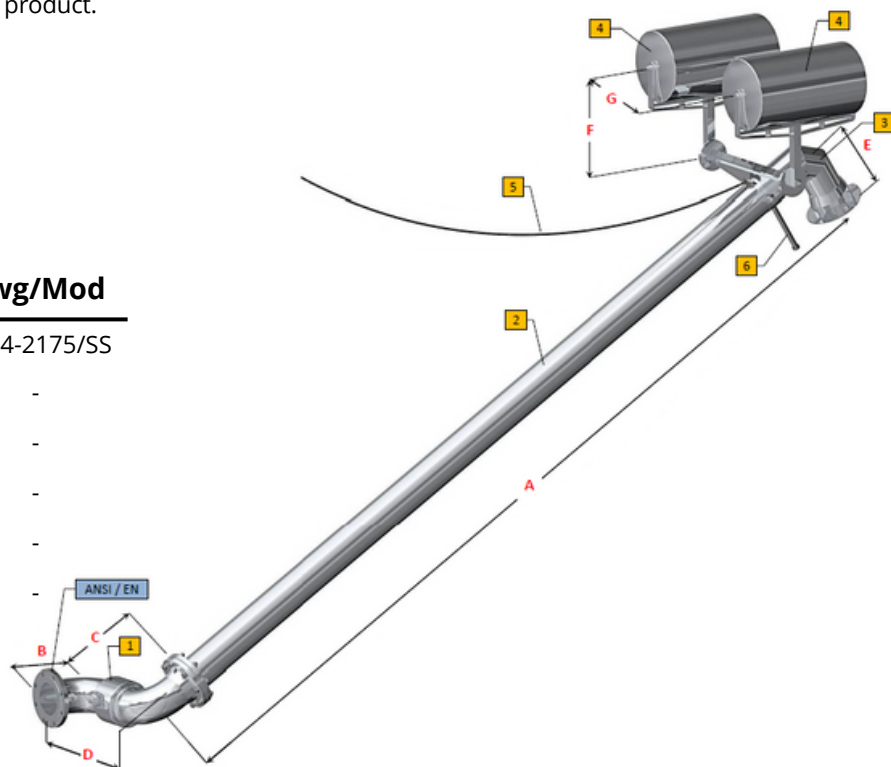
Operating Conditions

Seal Material	VITON
Flow Rate	1.5 m/s

N. Description

Dwg/Mod

1	Swivel Joint	4044-2175/SS
2	Swing Joint Tube	-
3	Final Elbow with Baffle	-
4	Floats	-
5	Inspection Rope	-
6	Support	-



Demonstration of Vertical Working



Notes:

- AISI 316-L 2175/SS swivel joints suitable with stainless steel floating units
- Aluminium Alloy 4044 swivel joints suitable with Aluminium floating units
- (*) Demonstrative dimensions
- (**) "A" dimension is calculated according to tank height
- The Model 2249 Floating Suction Unit can be fit to storage tanks with floating roof. For this application, a support system with carriage and rails is to be provided instead of floats.

Size	A	B	C	D	E*	F*	G*
2"	**	91	91	257	500	800	800
3"	**	129	129	363	500	800	800
4"	**	125	125	375	500	800	800
6"	**	190	190	513	500	800	800
8"	**	210	210	547	500	800	800
10"	**	226	226	634	500	800	800
12"	**	375	375	885	500	800	800