

# Model 2302

## Double Range Floating Suction Unit

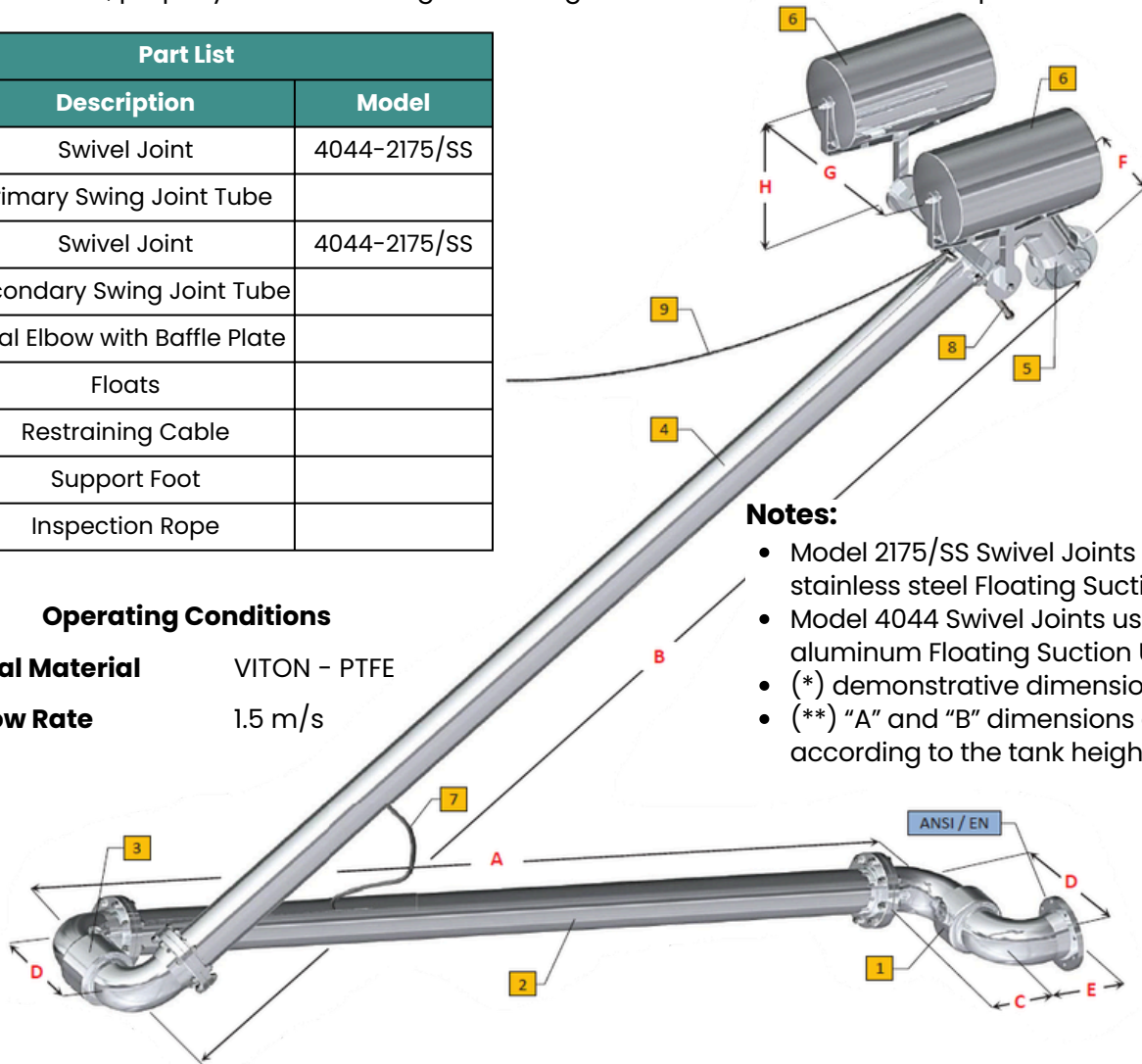
The Model 2302 Floating Suction Unit operates within vertical storage tanks where the height is greater than its width. Like the Model 2249 Floating Suction Unit, the Model 2302 is designed to suck the clean product just below the product surface. This will prevent the contamination of the product from the sediments which settle on the top of the tank. The correct position of the Floating Suction Unit level is guaranteed by the presence of floats, properly sized according to the weight of the arm and of the stored product.

Part List		
Pos	Description	Model
1	Swivel Joint	4044-2175/SS
2	Primary Swing Joint Tube	
3	Swivel Joint	4044-2175/SS
4	Secondary Swing Joint Tube	
5	Final Elbow with Baffle Plate	
6	Floats	
7	Restraining Cable	
8	Support Foot	
9	Inspection Rope	

### Operating Conditions

**Seal Material** VITON - PTFE

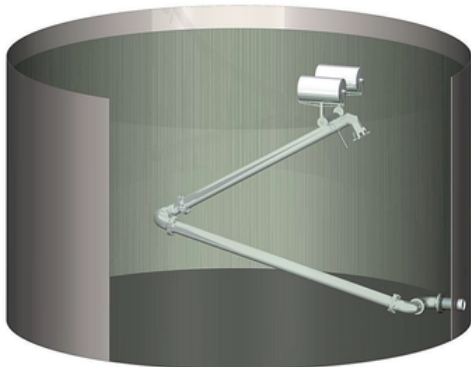
**Flow Rate** 1.5 m/s



### Notes:

- Model 2175/SS Swivel Joints used on stainless steel Floating Suction Units
- Model 4044 Swivel Joints used on aluminum Floating Suction Units
- (\*) demonstrative dimensions
- (\*\*) "A" and "B" dimensions calculated according to the tank height

### Demonstration of Operating Range Standard Dimensions



Size	A	B	C	D	E	F*	G*	H*
2"	**	**	91	257	91	500	800	800
3"	**	**	129	363	129	500	800	800
4"	**	**	125	375	125	500	800	800
6"	**	**	190	513	190	500	800	800
8"	**	**	210	547	210	500	800	800
10"	**	**	226	634	226	500	800	800
12"	**	**	375	884	375	500	800	800

### Notes:

- The Model 2302 Floating Suction Unit can be fitted into storage tanks with floating roof. For this application, a support system with carriage and rails shall be provided instead of standard floats.