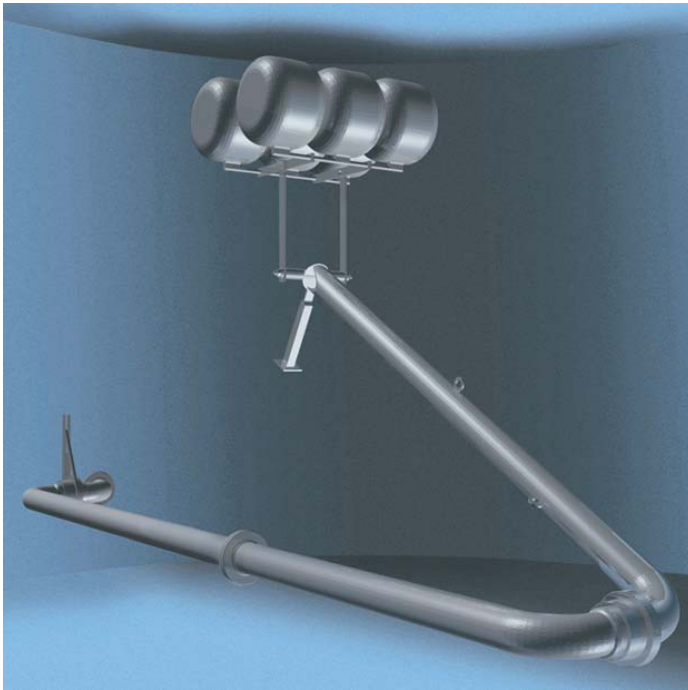


Emco Wheaton Floating Suctions for fluid bleeding out of tanks.

Floating Suctions compared with permanently fixed bleeding nozzles have the following **advantages**:



- ♦ the product always is transferred in a defined distance under the liquid level
- ♦ Contamination dirt/sediments/solid particles and heavy fluids remain on the tank bottom
- ♦ therefore constant quality independent from liquid level

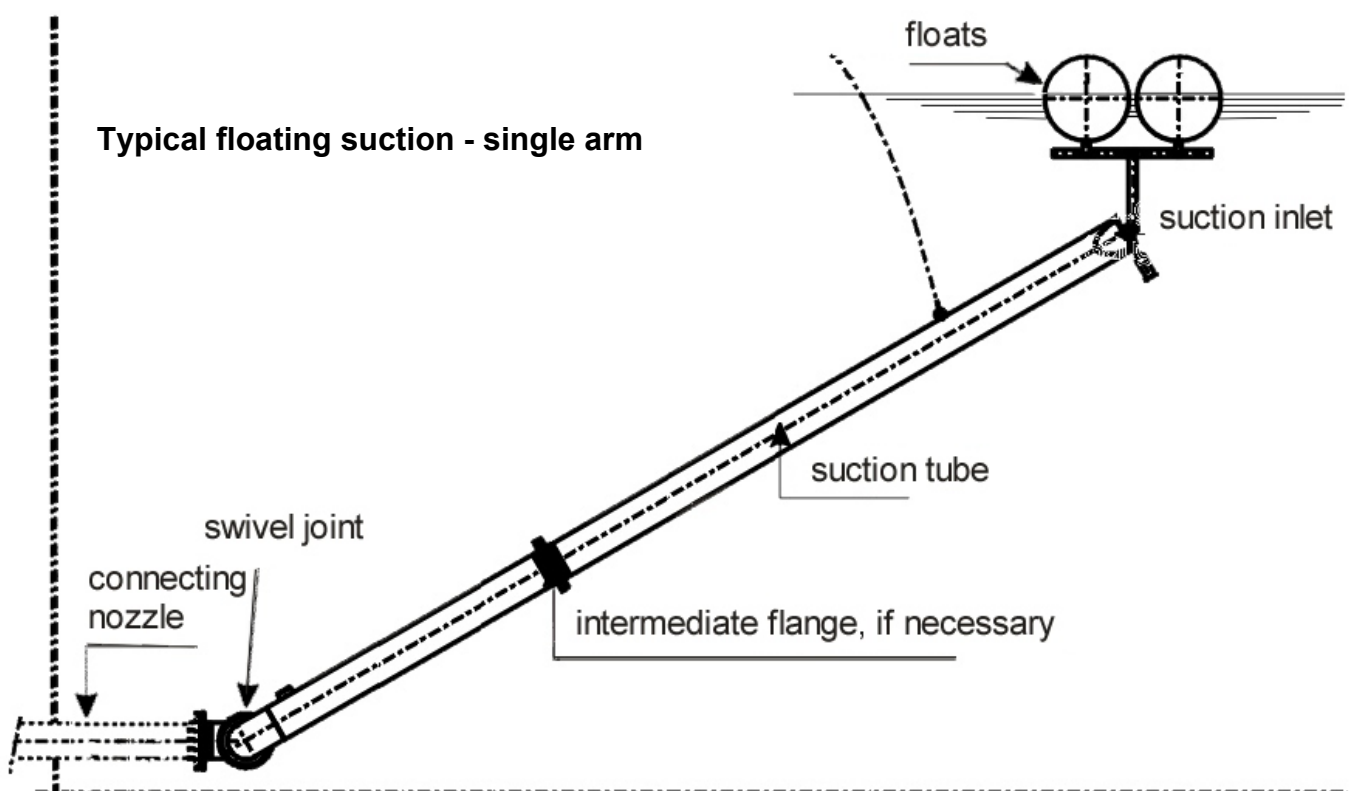
**Emco Wheaton
Floating Suctions offer:**

- ♦ ease of steering and long lifetime due to ball bearing of swivel joints
- ♦ easy mounting due to internal swivel joint flanging
- ♦ robustness against pressure conditions (pressure variations) in tank and tube
- ♦ minimal vortex formation through optimised inlet with anti-vortex suction
- ♦ pressure-proof floats

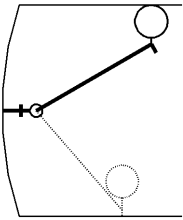
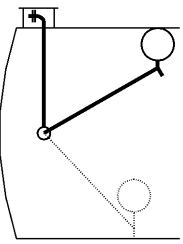
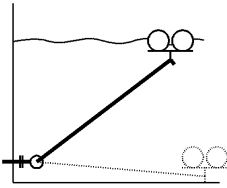
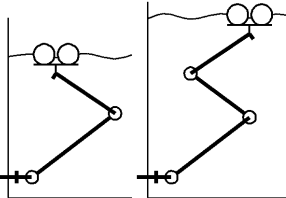
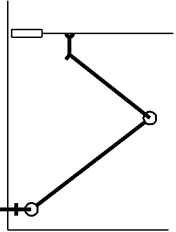
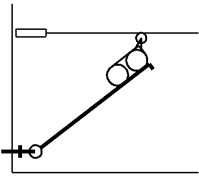
Design:

- internally fixed at unloading tube
- consisting of an elbow-tube-system with a suction opening which is held close to the liquid level by a float \Rightarrow drawing
- various designs, depending on the tank dimensions and types
- sizes: DN 50 to DN 500
- Materials depending on the design and requirements:
aluminium, carbon steel, stainless steel
- Seals in accordance to the fluid:
Buna N, Viton, PTFE
- special designs are possible on request, e.g. for skimming of thin fluid films at the surface

Typical floating suction - single arm



Emco Wheaton Floating Suction for any container/tank:

	for use in semi-buried tankage with lateral outlet on the centre-line single arm , Type C0001 right hand design C0002 left hand design C0003 centre design
	for use in buried tankage with the outlet through the manhole single arm , Type C0004 connection at Pos. I C0005 connection at Pos. II C0006 connection at in Pos. III C0007 connection at Pos. IV C0008 connection at Pos. V
	for use in above ground tankage with lateral outlet near the bottom single arm , Type C0009 right hand design C0010 left hand design C0011 centre design at Pos. V The tank diameter must be bigger than the maximum fluid level.
	for use in vertical storage tanks with lateral outlet near the bottom double arm , Type C0012 left hand design triple arm , C0013 left hand design At fluid levels bigger than the tank diameter double or triple arm floating suction must be foreseen depending on the relation between diameter and height.
	for articulated drainage units with floating ceiling/floating roof two-pieces , Type C0015 left hand design "hanging" The loads resulting from the weight of the floating suction must be absorbed by the floating ceiling/roof.
	for articulated drainage units with floating ceiling/floating roof single arm , Type C0093 right hand design with roll For the roll a bearing has to be provided, which can absorb the pressure force (of the roll).

Notes:

- ♦ The exact size is depending on the required suction speed. The flow velocity should not exceed 1 m/s.
- ♦ Design and length(s) of floating suction will be determined by kind of tank and all relevant dimensions.
- ♦ For optimising the design of the floating suction for an individual situation please fill in our "datasheet floating suction".
- ♦ If there are no special instructions the floating suction will be designed that all parts can be installed through a manhole size DN 600. The floating suction will be delivered in parts.