



## Storage Tank Systems

Floating Suction System

Floating Roof Drainage

**Skimmer**

# Know how & consulting directly from manufacturer with decades of experience

That's why you choose... The logo for IGATEC International. It features the word 'IGA' in a large, bold, sans-serif font. To its right, the word 'International' is written in a smaller, blue, sans-serif font. Below 'IGA' and 'International' is a horizontal line. To the right of this line, the word 'TEC' is written in a large, bold, sans-serif font.

- **Radial gaskets**  
Allow a maximum of feasible sealing materials and longer lifetime compared to axial gaskets
- **DUPLEX, SUPERDUPLEX, HASTELLOY, ALUMINIUM...**  
We machine all compatible materials
- **ASME, NACE, NORSOK, DIN...**  
We manufacture according to all required guidelines and directives
- **Customized connections**
- **IGATEC Swivel Joints**  
Made of carbon steel (e.g. St52-3, ...) are nitrided to reach maximized hardness of surface and optimized corrosion protection at the same time
- **Certifications**  
TA-Luft  
VdS  
ISO 9001:2008

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## Skimmer



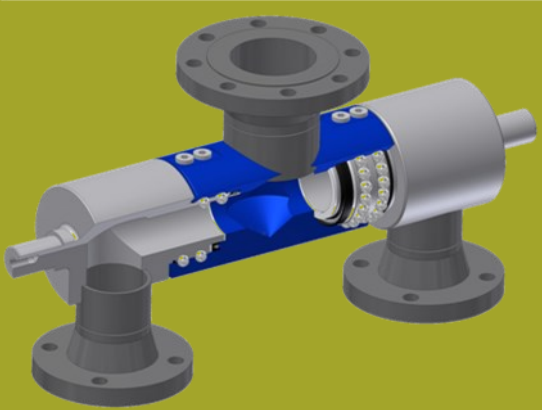
**IGATEC Skimmer** combine pipes with **IGATEC Swivel Joints**, which allows a continuous transport of liquids during the movement of the piping system. Therefore this type of construction fulfills the specific requirements of Tank Storages in an optimal way.

**IGATEC Skimmer** allow to carry off contaminated fluids floating on the product in the tank storage.

**IGATEC Skimmer** use two floaters, which position the suction hole directly below the surface of the contaminated fluid. This ensures the skimming of the contamination independently of the tanks filling level in an optimal way.



## Skimmer



**Swivel Joint Type SO-W**

### Dimensions:

Nominal diameter	DN80 / 3" bis DN300 / 12"
Material	Carbon steel, stainless steel, ...
Gasket / sealing	PTFE, NBR, Viton
Connecting ends	According to customers' requirements
Type of swivel joint	W, LW, SO-W

**IGATEC Skimmer** are characterized by:

- Long-lasting, reliable **IGATEC Swivel Joints**, customized to particular needs of applications and fluids to be transported
- Easy operation and movement of the system ensured by **IGATEC Swivel Joints**
- Stable system, especially in contrast to hose systems: no kinking of the hose
- Easy installation
- Corrosion resistance
- No turbulences in the tank
- Wide range of **materials** and swivel joint types allows to design systems for almost every tank and every product
- Customized design, construction, manufacturing and installation by taking into account the specific requirements of tank and product



The diagram illustrates a submerged extraction system within a tank. Key components and dimensions are labeled:

- max. Product Level**: The highest liquid level in the tank.
- Product Level**: The current liquid level.
- Pontoons**: Two circular floats supporting the extraction assembly.
- Extraction Orifice**: The point where liquid is drawn into the tube.
- Extraction Tube**: The main tube leading from the orifice to the bottom.
- Connecting Tube**: The tube connecting the extraction tube to the swivel joint.
- Swivel Joint**: The rotating connection point at the bottom of the tank.
- $H_{ASL}$** : The height of the swivel joint above the tank bottom.
- $L_{ET}$** : The length of the extraction tube.
- $H_T$** : The total height of the tank.
- $H_{PTmax}$** : The maximum height of the floating roof.
- $\phi_M$** : The diameter of the manhole at the bottom right.
- $L_1$** : The horizontal distance from the swivel joint to the extraction tube.
- $\phi_T$** : The diameter of the tank.

$\varnothing T$	Diameter of tank
$\varnothing M$	Diameter of manhole
$H_{PNmax}$	Max. product level
$H_{PN}$	Product level
$L_i$	Internal length
$H_{ASL}$	Level connecting tube
$H_T$	Height of tank
$L_{SR}$	Length of extraction tube (one or two parted with additional swivel joint)