TheGAW industries

Bottom Loading Arm Datasheet

GENERAL

Client			
Contact person		E-mail	
Project location			
Project phase	☐Budget ☐ FEED Study ☐ Tender		
Expected date of delivery			

BOTTOM LOADING ARM DATA

Loading arm required for	☐Road tanker ☐Rail wagon ☐Tank Container	
Quantity / Model		
Size of product arm		
Lay-out	☐Left-hand ☐Right-hand	
Support construction	☐Stand post ☐Other_____	
Inlet flange	Product line	(please state type and size):
	Vapour return line	(please state type and size):
Tanker connection	☐Side filling ☐Rear end filling ☐Both	
	Product line	☐Flange (please state type and size):
		☐Coupler (please state type and size):
	Vapour return line	☐Flange (please state type and size):
		☐Coupler (please state type and size):
Piping material		
Seal material	☐PTFE ☐Viton ☐Others	
Balancing	☐Spring cylinder ☐Counter weight	
Operation (loading and unloading)	☐Loading ☐Unloading ☐Both	
Mode of operation	☐Manual ☐Pneumatic ☐Hydraulic	
Vapour return line	☐Yes (Diameter_____ ☐Hose ☐Rigid pipe) ☐No	
Surface treatment & painting	☐Primer only	
	☐Three-layer painting system RAL_____	
	☐Pickling / Passivating of stainless steel	
Heating / Insulation	☐Yes (☐Steam or oil tracing ☐Electrical tracing ☐Insulation) ☐No	
	If yes, Heated / Insulated: ☐Pipes ☐Elbows	

PROCESS PARAMETERS

Product / Medium			
Operating pressure	bar	Design pressure	bar
Operating temperature	min/max ℃	Design temperature	min/max ℃
Density	Kg/m^3	Viscosity	cp
Loading flow rate	m^3/h	Unloading flow rate	m^3/h
Area classification	☐Safe ☐Hazardous: zone_____		

INSPECTION & TESTING REQUIREMENTS

Radiography (Welding test)	☐Yes (☐10% ☐100% ☐Other:_____%) ☐No
3rd Party Inspection	☐Yes (Preferred class_____) ☐No

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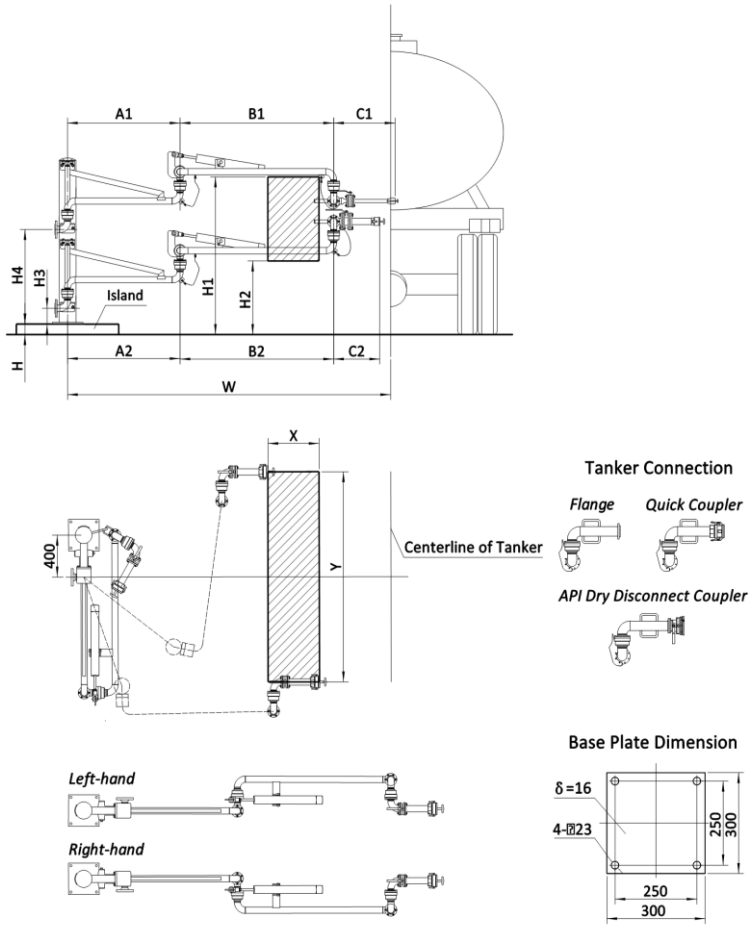
DIMENSIONS OF INSTALLATION

	Island width	mm	
	Island length	mm	
H	Island elevation	mm	
W	Sandpost centerline to tanker centerline	mm	
H1	Max. Height of tanker inlet above ground	mm	
H2	Min. Height of tanker inlet above ground	mm	
H3	Height of inlet flange (product line) above island	mm	
H4	Height of inlet flange (vapour return line) above island	mm	
A1	Length of inboard arm (vapour return line)	mm	
B1	Length of outboard arm (vapour return line)	mm	
C1	Length of connecting pipe (vapour return line)	mm	
A2	Length of inboard arm (product line)	mm	
B2	Length of outboard arm (product line)	mm	
C2	Length of connecting pipe (product line)	mm	
X	Operating envelope (Max. width)	mm	
Y	Operating envelope (Max. length)	mm	

* Please attach sketch/reference if available
* In case other dimensions are required than our standard, please specify with additional information; we can design other loading arm dimension to meet customer preferred operating envelope.



SENSORS, CONTROLS & ACCESSORIES

1	Vacuum breaker	☐Yes	☐No
2	Quick coupler	☐Yes	☐No
3	API dry disconnect coupler	☐Yes	☐No
4	Emergency breakaway coupler	☐Yes	☐No
5	Ball valve in outboard arm or connecting pipe	☐Yes	☐No
6	Drain and purge connections	☐Yes	☐No
7	Static grounding equipment	☐Yes	☐No
8	Parked position signal	☐Yes	☐No

REMARKS & SPECIAL COMMENTS