



# EQUINIX

# ARUP

## Equipment Data Sheet Fuel Oil Bulk Storage Tanks FR120-ARP-GT-XX-SP-M-FUEL-8001

Job Title: <b>Equinix FR12.1 Frankfurt</b>		Date: <b>03 February 2023</b>	
Job Number: <b>285668-00</b>		Revision: <b>P02</b>	
Made by: <b>BP</b>		Checked by: <b>DD</b>	

  

### General Data

Unit Reference	1FBULK_M1_1 1FBULK_M1_2 1FBULK_M1_3 1FBULK_M1_4 1FBULK_M1_5 1FBULK_M1_6 1FBULK_M1_7	
Phase	Phase 1	
Model Reference	BT TDM	
Quantity Required	7	
Location		
System	Fuel oil	
Net Capacity per tank	litres 85.000	
Type	Double skinned	

### Performance Data

Required	Offered
Fuel oil - Diesel	
Nominal Capacity per module	litres n/a

  

Required	Offered
Storage Temperature °C	5.5 - 40
Head Above Top of Tank m	
Test Pressure bar (g)	STA

  

### Construction Data

Internal Tank Material	Steel	
Internal Tank Thickness	9	
Shell Material (Note 11)	Steel	
Shell Thickness mm	4	
Type of Support	STA	
Operating Weight kg	STA	
Weight Empty kg	14400	

Outlet connection	DN80	
Return connection	DN65	
Fuel fill connection	DN65	
Vent connection size	1xDN65	
Manhole Size (Ø) mm	600	
Level Indication Type		

  

### Dimensional Data

Tank Length mm	13250	
Tank Dimension mm	2900	
Tank Height mm	3000	

Front/Rear Access mm	STA	
Side Access mm	STA	

  

### Controls

Required	Offered	
High-High Level Alarm Switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
High Level Alarm Switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Low Level Alarm Switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Critical Low Level Alarm Switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump Start Switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BMS Links	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pump Panel Links	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### BMS Interface

Required	Offered
Level Transmitter	<input checked="" type="checkbox"/> <input type="checkbox"/>

  

### Accessories

Required	Offered	
Level Transmitters	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Calibrated Contents Gauge	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Vent Pipe Pressure Relief Valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dished Ends	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fill Valve and switch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overflow Screening	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Warning Pipe Screening	<input type="checkbox"/>	<input type="checkbox"/>

Required	Offered	
Outlet Valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Access Ladder	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Top Walkway	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Handrail	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Access Hatch	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sealed Heavy Duty Lid	<input type="checkbox"/>	<input type="checkbox"/>
Sealed Light Duty Lid	<input type="checkbox"/>	<input type="checkbox"/>
Leak detection	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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Fuel Oil Bulk Storage Tanks  
FR120-ARP-GT-XX-SP-M-FUEL-8001

Job Title: <b>Equinix FR12.1 Frankfurt</b>		Date: <b>03 February 2023</b>																			
Job Number: <b>285668-00</b>		Purpose of Issue: <b>D2</b>																			
Made by: <b>BP</b>		Checked by: <b>DD</b>																			
<b>Testing</b> Pressure Type Tests Works Pressure Tests Site OEM Pressure Tests		<b>Required</b> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>Offered</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>																		
<b>Manufacturer</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Manufacturer</td> <td style="width: 30%;">BTD</td> <td style="width: 40%;"></td> </tr> <tr> <td>Contact Name</td> <td>Jasmin Necker</td> <td></td> </tr> <tr> <td>Telephone Number</td> <td>+49 (0) 71 57 5 62-175</td> <td></td> </tr> <tr> <td>Fax Number</td> <td>+49 (0) 71 57 5 62-267</td> <td></td> </tr> <tr> <td>E-mail Address</td> <td>j.necker@btd-gmbh.de</td> <td></td> </tr> <tr> <td>Internet Address</td> <td>www.btd-gmbh.de</td> <td></td> </tr> </table>				Manufacturer	BTD		Contact Name	Jasmin Necker		Telephone Number	+49 (0) 71 57 5 62-175		Fax Number	+49 (0) 71 57 5 62-267		E-mail Address	j.necker@btd-gmbh.de		Internet Address	www.btd-gmbh.de	
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<b>Additional Information</b> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <p>1 This equipment data sheet <b>must</b> be read in conjunction with all other parts of the SoR, including:</p> <p>Fuel Description of Operation, layouts and schematics</p> <p>2 Drain points to tanks shall be from the top of the tank and shall be piped inside the tank to low level.</p> <p>3 Non-return valve required on outlet connection pipe.</p> <p>4 Stairs, platforms, etc provided as part of tank.</p> <p>5 Tank construction to be double wall with Leak detection system in between</p> <p>6 Fuel polishing connection / sampling branch to be located at a lower level in the tank than the main supply branch.</p> <p>7 Vent to come complete with biofilter.</p> </div> <div style="width: 50%;"> <p>8 Return pipe to tank mid-level.</p> <p>9 Pipe supports details which are connected to the Tank container to be confirmed and agreed with manufacturer</p> <p>10 Tanks and Fuel Oil Installation to be in accordance with VAWS-Hessen, DIN EN 12285-1:2005-05, TRGS 509.</p> <p>11 Tank design and construction to be fully compliant with FM Global design standards.</p> <p>13 Final pipework position to be confirmed with Tank manufacturer</p> </div> </div>																					