



**DATA SHEET
P-1203 A/B
LPG PRODUCT RECYCLE PUMPS**

Document
No. :

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<table border="1"> <tr> <td colspan="2">1 Service Name : LPG Product Recycle Pumps</td> <td>Quantity: 2</td> </tr> <tr> <td colspan="3">2</td> </tr> <tr> <td colspan="3">3 GENERAL</td> </tr> <tr> <td>4 Location :</td> <td><input type="checkbox"/> Indoor <input checked="" type="checkbox"/> Outdoor <input type="checkbox"/> Protected <input checked="" type="checkbox"/> Unprotected</td> <td>Manufacturer : Weir Gabbioneta</td> </tr> <tr> <td>5</td> <td><input type="checkbox"/> Winterization <input checked="" type="checkbox"/> Tropicalization</td> <td>Model & size : R260/25GN1</td> </tr> <tr> <td>6 Operation :</td> <td><input checked="" type="checkbox"/> Individual <input type="checkbox"/> Parallel <input type="checkbox"/> Series</td> <td>Serial no. : 085071</td> </tr> <tr> <td>7</td> <td><input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Occasional</td> <td></td> </tr> <tr> <td>8 Area class. :</td> <td>Zone: 2</td> <td>Gas group: IIA&B Temp. class: T3</td> </tr> <tr> <td>9 Driver type :</td> <td>Main: El. Motor No. required: 1</td> <td>Supplied by : ABB Mounted by: WG</td> </tr> <tr> <td>10 Spare: El. Motor</td> <td>No. required: 1</td> <td>Supplied by : ABB Mounted by: WG</td> </tr> <tr> <td colspan="2">11 LIQUID PROPERTIES</td> <td>OPERATING CONDITIONS</td> </tr> <tr> <td>12 Liquid :</td> <td>Hydrocarbon</td> <td>Capacity, m³/h : Min / Norm / Rated: / 2.56+1.44 / 2.56+1.44</td> </tr> <tr> <td>13</td> <td><input type="checkbox"/> Toxic <input type="checkbox"/> Aggressive Due to:</td> <td>Temperature, °C : Min / Norm / Rated: / 39 /</td> </tr> <tr> <td>14</td> <td><input checked="" type="checkbox"/> Flammable <input type="checkbox"/> Self-Igniting <input checked="" type="checkbox"/> Hazardous</td> <td>Pressure, bara : Suct., Rated / Max.: 20.2 / 36.88</td> </tr> <tr> <td>15</td> <td><input type="checkbox"/> H2S presence Content, ppm:</td> <td>Discharge : 24.23</td> </tr> <tr> <td>16</td> <td><input type="checkbox"/> NACE applicable</td> <td>Differential : 4.03</td> </tr> <tr> <td>17 Corrosive :</td> <td><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Due to:</td> <td>Differential head, m : 75.7 NPSHA, m: 208.3</td> </tr> <tr> <td>18 Solids :</td> <td><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Size, mm:</td> <td>Min required design, barg / °C : Suction parts: 40.92 / 120</td> </tr> <tr> <td>19 Gas in fluid:</td> <td><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Vol., % :</td> <td>Discharge parts: 40.92 / 120</td> </tr> <tr> <td>20 Density @ p.t./max/min, kg/m³ :</td> <td>543 / /</td> <td><input type="checkbox"/> Transient start-up conditions</td> </tr> <tr> <td>21 Viscosity @ p.t./max, cP :</td> <td>0.11 / /</td> <td>Specify :</td> </tr> <tr> <td>22 Specific heat, kcal/kg°C :</td> <td>0.65</td> <td></td> </tr> <tr> <td>23 Vapor pressure @ p.t., bara :</td> <td>9.19 (d)</td> <td></td> </tr> <tr> <td colspan="2">24 PUMP PERFORMANCE</td> <td>VERTICAL PUMPS</td> </tr> <tr> <td>26 Perf. 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3 CONSTRUCTION			
4 Manufacturer's design, barg / °C: Suction parts: 40 / 120 API-610 class : S-5 (Killed) Certif. a)			
5 Discharge parts: 40 / 120 Casing or Barrel : A216 WCB (Killed Carbon) 3.1			
6 Max. allowable working: Pressure, barg : 40 Casing cover : A516-70 / A266-Gr2 3.1			
7 Temperature, °C : 120 Casing studs : A193-B7			
8 Hydrostatic test pressure, barg: Suction / Discharge: 60 / 60 Inner casing or volutes : N/A			
9 Shaft : <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical Casing gasket : 316+GRAFOIL			
10 <input checked="" type="checkbox"/> Overhung <input type="checkbox"/> Between bearing Diffuser(s) : N/A			
11 Suction : <input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Open suction Impeller(s) : A216 WCB (Killed Carbon) 3.1			
12 Casing : <input checked="" type="checkbox"/> Volute <input checked="" type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Staggered Shaft : A276-410A			
13 <input type="checkbox"/> Diffuser Seal sleeve : 316			
14 Split : <input type="checkbox"/> Axial <input checked="" type="checkbox"/> Radial <input type="checkbox"/> Barrel / Can Stage sleeves : N/A			
15 Mounting : <input type="checkbox"/> Foot <input type="checkbox"/> Bracket <input checked="" type="checkbox"/> Centerline Wear rings: Impeller : A743-CA40 HD HBN: 3.1			
16 <input type="checkbox"/> Flange Casing : A743-CA40 HD HBN: 3.1			
17 Impeller(s) : <input checked="" type="checkbox"/> Closed <input type="checkbox"/> Semi-open <input type="checkbox"/> Open Coating : -			
18 No. : Throat bushing(s) : A276-420			
19 Diameter, mm: Rated Maximum Minimum Interstage bushing(s) : N/A			
20 First stage: 251 260 190 Throttle bushing(s) : N/A			
21 Follow stages: N/A N/A N/A Lantern ring : N/A			
22 Wear rings: <input type="checkbox"/> None <input checked="" type="checkbox"/> Casing <input checked="" type="checkbox"/> Impeller Seal endplate / gland : 316			
23 <input checked="" type="checkbox"/> Front <input checked="" type="checkbox"/> Back <input type="checkbox"/> Grooved <input type="checkbox"/> Straight Balance piston : N/A			
24 Thrust bal.: <input type="checkbox"/> None <input checked="" type="checkbox"/> Bal. holes <input type="checkbox"/> Back vanes Balance drum : N/A			
25 <input type="checkbox"/> Balanced opposed imp's <input type="checkbox"/> Bal. drum <input type="checkbox"/> Bal.disc Discharge head : N/A			
26 Jacket : <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No For: <input type="checkbox"/> Heating <input type="checkbox"/> Cooling Discharge column : N/A			
27 On : <input type="checkbox"/> Stuffing box <input type="checkbox"/> Brg bracket <input type="checkbox"/> Pedestals Baseplate : S355J0			
28 Max. allowable CW jacket pressure, barg : N/A (or mounting flange / plate)			
29 Stilling tube : -			
30 Direction of rotation, facing coupling end: <input checked="" type="checkbox"/> CW <input type="checkbox"/> CCW Bearing bracket : A352-LCB			
31 See separate driver data sheet <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO Wet bolting : A193-B8M			
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33 Shaft diameter, mm : at coupling : 38			
34 at impellers : 34			
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36 Number of stages : 1			
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39 a) According to ISO 10474 / EN 10204			
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