

کد فرم: G-QMS-F-016

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**EXTRACTION PUMP  
 INGERSOLL - DRESS PUMP  
 COSLADA PLATE (MADRID)  
 INGERSOLL – RAND (CE) TYPE : 23APKC2  
 SERIAL NO : M-146712 MADE IN SPAIN**

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|--|---|--|
|  |   |  |
|  | <b>IMPELLER WEAR RING<br/>A473.TY.416 : 4A</b>      |  |
|  | <b>FIRST STAGE IMPELLER<br/>A743.CA6HM : 3A</b>     |  |
|  | <b>LAST STAGE IMPELLER<br/>A743.CA6HM : 3B</b>      |  |
|  | <b>PUMP SHAFT<br/>A276.TY.410 : 10A</b>             |  |
|  | <b>INTERMEDIATE SHAFT<br/>A276.TY.410 : 10B</b>     |  |
|  | <b>TOP SHAFT<br/>A276.TY.410 : 10C</b>              |  |
|  | <b>LAST IMPELLER WEAR RING<br/>A473 .TY.416: 4B</b> |  |
|  | <b>SHAFT COUPLING<br/>A276.TY.410 : 164A</b>        |  |
|  | <b>SPLIT THRUST RING<br/>A276.542000 : 312</b>      |  |
|  | <b>LAST CASING RING<br/>A743.CA.15 : 6B</b>         |  |

**VOITH HYDRO TURBINE  
 KAPLAN TURBINE  
 APAC02AP001  
 KP002  
 MASH.NO: 18864  
 MADE IN SPAIN**

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|  |  |  |
|  | <b>TURBINE SHAFT</b><br>(clockwise sense)<br><b>47 : MATERIAL : 1.4006V</b><br><b>Cx12cr13</b>             |  |
|  | <b>RUNNER BLADE</b><br>(clockwise sense)<br><b>30 : MATERIAL : 1.4313V1</b><br><b>TYPE : CAPLAN</b>        |  |
|  | <b>RUNNER BLADE</b><br>(counterclockwise sense)<br><b>30 : MATERIAL : 1.4313V1</b><br><b>TYPE : CAPLAN</b> |  |
|  | <b>RUNNER HUB</b><br>(clockwise sense)<br><b>35 : MATERIAL : G-X6CrNi18.9</b>                              |  |
|  | <b>RUNNER HUB</b><br>(counterclockwise sense)<br><b>35 : MATERIAL : G-X6CrNi18.9</b>                       |  |

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|     |     |  | <b>IMPELLER WEAR RING<br/>A473.TY.416 : 4A</b>      |  |
|     |     |  | <b>FIRST STAGE IMPELLER<br/>A743.CA6HM : 3A</b>     |  |
|     |     |  | <b>LAST STAGE IMPELLER<br/>A743.CA6HM : 3B</b>      |  |
|     |     |  | <b>PUMP SHAFT<br/>A276.TY.410 : 10A</b>             |  |
|     |     |  | <b>INTERMEDIATE SHAFT<br/>A276.TY.410 : 10B</b>     |  |
|     |     |  | <b>TOP SHAFT<br/>A276.TY.410 : 10C</b>              |  |
|     |     |  | <b>LAST IMPELLER WEAR RING<br/>A473 .TY.416: 4B</b> |  |
|     |     |  | <b>SHAFT COUPLING<br/>A276.TY.410 : 164A</b>        |  |
|     |     |  | <b>SPLIT THRUST RING<br/>A276.542000 : 312</b>      |  |
|     |     |  | <b>LAST CASING RING<br/>A743.CA.15 : 6B</b>         |  |

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|     |     |  | <b>TURBINE SHAFT</b><br><b>(clockwise sense)</b><br><b>47 : MATERIAL : 1.4006V</b><br><b>Cx12cr13</b>             |  |
|     |     |  | <b>RUNNER BLADE</b><br><b>(clockwise sense)</b><br><b>30 : MATERIAL : 1.4313V1</b><br><b>TYPE : CAPLAN</b>        |  |
|     |     |  | <b>RUNNER BLADE</b><br><b>(counterclockwise sense)</b><br><b>30 : MATERIAL : 1.4313V1</b><br><b>TYPE : CAPLAN</b> |  |
|     |     |  | <b>RUNNER HUB</b><br><b>(clockwise sense)</b><br><b>35 : MATERIAL : G-X6CrNi18.9</b>                              |  |
|     |     |  | <b>RUNNER HUB</b><br><b>(counterclockwise sense)</b><br><b>35 : MATERIAL : G-X6CrNi18.9</b>                       |  |



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