Solenoid Pump CSS Series  Model: CSS-01025

PRODUCT INFORMATION
Pump Design ................. Solenoid (Platoni) Pump
Insulation ..................... Class "H" for TUV
Net Weight .................... 0.110Kg
Outlet Connector ............... Barb port / Thread
Recognition ..................... TUV

PERFORMANCE SPECIFICATIONS

COIL MOTOR
- CSS-E01025 ............... 220~240 VAC, 50Hz, 16W
- CSS-U01025 ............... 120 VAC, 60Hz, 16W
- CSS-J01025 ............... 100 VAC, 50/60Hz, 16W

Ideal fluid ..................... Water at 25°C
Flow rate at 0 bar ............... 50 cc/min
Obstructed pressure ............. 2.5 Bar (36.25PSI)

Suitable to dry-use only during priming

Working Condition & Cycle... Ta within 45°C, Tf within 35°C.
At this condition can work continuously.
Ta: Ambient temperature
Tf: Temperature of fluid water

* Table 1
XX – The Code of Flow Rate (FR) Table

<table>
<thead>
<tr>
<th>XX</th>
<th>FR (cc/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>50</td>
</tr>
<tr>
<td>02</td>
<td>100</td>
</tr>
<tr>
<td>03</td>
<td>150</td>
</tr>
<tr>
<td>04</td>
<td>200</td>
</tr>
</tbody>
</table>

* Table 2
YYY – The Code of Pressure (bar) table

<table>
<thead>
<tr>
<th>YYY</th>
<th>Pressure (BAR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>010</td>
<td>1.0</td>
</tr>
<tr>
<td>015</td>
<td>1.5</td>
</tr>
<tr>
<td>020</td>
<td>2.0</td>
</tr>
<tr>
<td>025</td>
<td>2.5</td>
</tr>
</tbody>
</table>

Note: - All the performance are intended with a tolerance ±15%
- Water 20°C, Ambient 25°C

PRESSURE – FLOW RATE CURVE
Model: CSS-01025

<table>
<thead>
<tr>
<th>Pressure in Bar / PSI</th>
<th>Flowrate (cc/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>50</td>
</tr>
<tr>
<td>1.0</td>
<td>100</td>
</tr>
<tr>
<td>1.5</td>
<td>150</td>
</tr>
<tr>
<td>2.0</td>
<td>200</td>
</tr>
<tr>
<td>2.5</td>
<td>250</td>
</tr>
<tr>
<td>3.0</td>
<td>300</td>
</tr>
<tr>
<td>3.5</td>
<td>350</td>
</tr>
<tr>
<td>4.0</td>
<td>400</td>
</tr>
<tr>
<td>4.5</td>
<td>450</td>
</tr>
<tr>
<td>5.0</td>
<td>500</td>
</tr>
</tbody>
</table>

STANDARD MODEL NUMBERING SYSTEM

CS S ~ E XX YYY

Company Name  Pressure (* table2)
Pump Size  Flow Rate (* table1)
Standard  E – European Standard
B – Big size pump  U – US Standard
M – Median size pump  J – Japanese Standard
S – Small size pump

APPLICATIONS
- Espresso coffee machine
- Steam generator
- Steam Iron
- Steam vacuum cleaner
- Disco smoke generator

Mechanical Drawing & Dimension
Model: CSS-01025
Dimensions: millimeters
PRODUCT INFORMATION

Pump Design .......................... Solenoid (Piston) Pump
Insulation .............................. Class "H" for TUV&ETL
Net Weight ............................. 0.110Kg
Outlet Connector ..................... Barb port / Thread
Recognition ........................... TUV , ETL

PERFORMANCE SPECIFICATIONS

COIL MOTOR
- CSS-E02025 ................. 220~240 VAC, 50Hz , 16W
- CSS-U02025 ................. 120 VAC, 60Hz , 16W
- CSS-J02025 ................. 100 VAC, 50/60Hz , 16W
- CSS-K02025 ................. 220 VAC, 60Hz , 16W

Ideal fluid ......................... Water at 25°C
Flow rate at 0 bar .................. 100 cc/min
Obstructed pressure .............. 2.5 Bar (36.25PSI)
Suitable to dry-use only during priming
Working Condition & Cycle...... Ta within 45°C, Tf within 35°C

* Table 1
XX – The Code of Flow Rate (FR)
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<thead>
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</tr>
</tbody>
</table>

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YYY – The Code of Pressure(bar) table
<table>
<thead>
<tr>
<th>YYY Pressure (BAR)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>010 1.0</td>
<td>030 3.0</td>
</tr>
<tr>
<td>015 1.5</td>
<td>035 3.5</td>
</tr>
<tr>
<td>020 2.0</td>
<td>040 4.0</td>
</tr>
<tr>
<td>025 2.5</td>
<td></td>
</tr>
</tbody>
</table>

Note:
- All the performance are intended with a tolerance ±15%
- Water 20°C, Ambient 25°C

PRESSURE – FLOW RATE CURVE

Model: CSS-02025

Pressure in Bar / PSI

Flowrate (cc/min)

STANDARD MODEL NUMBERING SYSTEM

Company Name

Pressure ( * table2 )

Flow Rate ( * table1)

Pump Size
B – Big size pump
M – Median size pump
S – Small size pump

Standard
E – European Standard
U – US Standard
J – Japanese Standard

APPLICATIONS

- Espresso coffee machine
- Steam generator
- Steam Iron
- Steam vacuum cleaner
- Disco smoke generator

Mechanical Drawing & Dimension

Model: CSS-02025

Dimensions: millimeters
**PRODUCT INFORMATION**

Pump Design: Solenoid (Platoni) Pump
Insulation: Class "H" for TUV
Outlet Connector: Barb port / Thread

**PERFORMANCE SPECIFICATIONS**

**COIL MOTOR**
- CSS-E03025: 220~240 VAC, 50Hz, 16W
- CSS-U03025: 120 VAC, 60Hz, 16W
- CSS-J03025: 100 VAC, 50/60Hz, 16W

Ideal fluid: Water at 25°C
Flow rate at 0 bar: 150 cc/min
Obstructed pressure: 2.5 Bar (36.25 PSI)
Suitable to dry-use only during priming

**STANDARD MODEL NUMBERING SYSTEM**

XX – The Code of Flow Rate (FR) Table

<table>
<thead>
<tr>
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<tbody>
<tr>
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</tr>
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</table>

**APPLICATIONS**

- Espresso coffee machine
- Steam generator
- Steam Iron
- Steam vacuum cleaner
- Disco smoke generator

**PRESSURE – FLOW RATE CURVE**

Model: CSS-03025

<table>
<thead>
<tr>
<th>Flowrate (cc/min)</th>
<th>Pressure in Bar/PSI</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>43.5</td>
</tr>
<tr>
<td>30</td>
<td>29.0</td>
</tr>
<tr>
<td>60</td>
<td>14.5</td>
</tr>
<tr>
<td>90</td>
<td>11.5</td>
</tr>
<tr>
<td>120</td>
<td>9.5</td>
</tr>
<tr>
<td>150</td>
<td>7.5</td>
</tr>
</tbody>
</table>

Note: All the performances are intended with a tolerance ±15%

Water 20°C, Ambient 25°C

**Mechanical Drawing & Dimension**

Model: CSS-03025

Dimensions: millimeters
Solenoid Pump CSS Series  Model: CSS-04025

PRODUCT INFORMATION
Pump Design ………….. Solenoid (Platoni) Pump
Insulation ………………… Class “H” for TUV
Net Weight ………………… 0.110Kg
Outlet Connector …………. Barb port / Thread
Recognition ………………… TUV

PERFORMANCE SPECIFICATIONS
COIL MOTOR
- CSS-E04025 ………….. 220~240 VAC, 50Hz , 16W
- CSS-U04025 ………….. 120 VAC, 60Hz , 16W
- CSS-J04025 ………….. 100 VAC, 50/60Hz , 16W
Ideal fluid ………………… Water at 25°C
Flow rate at 0 bar …………. 50 cc/min
Obstructed pressure ………. 3.0Bar (36.25PSI)
Suitable to dry-use only during priming
Working Condition & Cycle… Ta within 45°C, Tf within 35°C
At this condition can work continuously.
Ta: Ambient temperature
Tf: Temperature of fluid water

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Note: - All the performance are intended with a tolerance ±15%
- Water 20°C, Ambient 25°C

STANDARD MODEL NUMBERING SYSTEM

Company Name  Pressure  Flow Rate
CS S – E XX YYY  (* table2 )  (* table1)
- B – Big size pump
- M – Median size pump
- S – Small size pump
- E – European Standard
- U – US Standard
- J – Japanese Standard

APPLICATIONS
- Espresso coffee machine
- Steam generator
- Steam Iron
- Steam vacuum cleaner
- Disco smoke generator

Mechanical Drawing & Dimension
Model: CSS-04025

Dimensions: millimeters

華星企業香港有限公司
China Star Enterprise Hong Kong Ltd.

동방하이테크상사
http://www.labpumptech.co.kr
T.02-457-6292  F.457-6293
**PRODUCT INFORMATION**

Pump Design .......................... Solenoid (Piston) Pump  
Insulation ............................ Class "H" for TUV  
Net Weight ............................ 0.110Kg  
Outlet Connector .................... Barb port / Thread  
Recognition .......................... TUV  

**PERFORMANCE SPECIFICATIONS**

**COIL MOTOR**
- CSS-E04030 ............... 220~240 VAC, 50Hz, 16W  
- CSS-U04030 ............... 120 VAC, 60Hz, 16W  
- CSS-J04030 ............... 100 VAC, 50/60Hz, 16W  

Ideal fluid .......................... Water at 25°C  
Ambient temperature .......... 45 °C  
Obstructed pressure .......... 3.0Bar (43.5PSI)  
Suitable to dry-use only during priming  

**Ideal fluid** .......................... Water at 25°C  
**Ambient temperature** .......... 45 °C  
**Obstructed pressure** .......... 3.0Bar (43.5PSI)  
**Suitable to dry-use only during priming**  
**Working Condition & Cycle**  
Ta within 45°C, Tf within 35°C.  
At this condition can work continuously.  
Ta: Ambient temperature  
Tf: Temperature of fluid water  

*Table 1*

**XX – The Code of Flow Rate (FR) Table**

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<td>04</td>
<td>200</td>
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</tbody>
</table>

*Table 2*

**YYY – The Code of Pressure (bar) table**

<table>
<thead>
<tr>
<th>YYY</th>
<th>Pressure (BAR)</th>
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<td>010</td>
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<td>035</td>
<td>3.5</td>
</tr>
<tr>
<td>040</td>
<td>4.0</td>
</tr>
</tbody>
</table>

**APPLICATIONS**

- Espresso coffee machine  
- Steam generator  
- Steam iron  
- Steam vacuum cleaner  
- Disco smoke generator  

**STANDARD MODEL NUMBERING SYSTEM**

- **CS – E XX YYY**
  - Company Name  
  - Pump Size  
  - Pressure (*table 2*)  
  - Flow Rate (*table 1*)  
  - E – European Standard  
  - U – US Standard  
  - J – Japanese Standard  

**PRESSURE – FLOW RATE CURVE**

Model: CSS-04030

**Pressure in Bar / PSI**

<table>
<thead>
<tr>
<th>Flowrate (cc/min)</th>
<th>Pressure in Bar (BAR)</th>
<th>3</th>
<th>2</th>
<th>1</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10.0</td>
<td>29</td>
<td>14.5</td>
<td>43.5</td>
<td>3.0</td>
</tr>
<tr>
<td>50</td>
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<tr>
<td>100</td>
<td>1.0</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>2.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>200</td>
<td>3.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note:  
- All the performance are intended with a tolerance ±15%  
- Water 20°C, Ambient 25°C  

**Mechanical Drawing & Dimension**

Model: CSS-04030  
Dimensions: millimeters  

**CS**

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