Magnet drive rotary vane pumps
TM 300-400 series

The TM 300-400 series pumps have been designed to deliver a smooth flow reliably for a long time. The precise alignment of pump and motor, combined with the absence of contact between them granted by the magnetic drive, optimizes the operation of the unit reducing friction and therefore wear, noise and power consumption. The absence of dynamic seals in favour of static o-rings improves the reliability of the pump and at the same time of the motor driving it. The pump, with stainless steel housing and rotor, carbon graphite pumping chamber and NBR seals, is NSF certified for use in contact with potable water.

Available upon request:
• Viton®/EPDM seals

MAIN APPLICATIONS
• Cooling systems
• Booster systems
• Water treatment
• Solar systems

TECHNICAL INFORMATION

<table>
<thead>
<tr>
<th>Pump housing material</th>
<th>Stainless steel</th>
<th>Speed limit</th>
<th>1725 rpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumping chamber</td>
<td>Carbon graphite</td>
<td>Max static pressure</td>
<td>20 bar/290 psi</td>
</tr>
<tr>
<td>Ports</td>
<td>3/8&quot; GAS or NPT</td>
<td>Pump weight</td>
<td>1.0 kg (2.2 lb)</td>
</tr>
</tbody>
</table>

Dimensions in mm [inches]

www.fluidotech.com
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For applications involving other fluids, high temperatures or unusual processing conditions, please consult the factory or an authorized Fluid-o-Tech distributor.

Fluid-o-Tech reserves the right to alter the specifications indicated in this catalogue at any time and without prior notice.

### POS DESCRIPTION CODE

<table>
<thead>
<tr>
<th>TS 300-400 series pump</th>
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</thead>
<tbody>
<tr>
<td>Mounting assembly (M56-B14)</td>
</tr>
<tr>
<td>Mounting assembly (M63-B14)</td>
</tr>
<tr>
<td>Mounting assembly (M71-B14)</td>
</tr>
<tr>
<td>Mounting assembly (NEMA 56C)</td>
</tr>
</tbody>
</table>

| High torque mounting assembly (M56-B14) | TSBS56C |
| High torque mounting assembly (M63-B14) | TSBS63C |
| High torque mounting assembly (M71-B14) | TSBS71C |

<table>
<thead>
<tr>
<th>MODEL</th>
<th>RELIEF VALVE</th>
<th>FIGURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMSS300</td>
<td>NO</td>
<td>1</td>
</tr>
<tr>
<td>TMSS400</td>
<td>STANDARD</td>
<td>2</td>
</tr>
<tr>
<td>TMSS304</td>
<td>BALANCED</td>
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</tr>
</tbody>
</table>

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**TMSS300**

Flow rate vs Pressure

- Operating range with ferrite driving magnet
- Operating range with rare earth driving magnet

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**TMSS400**

Flow rate vs Pressure

- Operating range with ferrite driving magnet
- Operating range with rare earth driving magnet

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Fluid-o-Tech srl
Via Leonardo da Vinci, 40
20094 Concorso, Milan, Italy
Tel. +39 02 9995 01
Fax +39 02 9995 0999
info@fluidotech.it

Fluid-o-Tech Int’l Inc.
161 Atwater St.
06479 Plantsville CT (USA)
Tel. +1 (860) 276 9270
Fax +1 (860) 620 0193
info@fluid-o-tech.com

Fluid-o-Tech Int’l Inc. Japan
251-4-3-10, Todobori,
Setagaya, Tokyo 158-082, Japan
Tel. +81 (0) (3) 6432 1812
Fax +81 (0) (3) 6432 1813
erkkato@fluidotech.jp

Fluid-o-Tech Asia (Shanghai) Co., Ltd.
2/F, Factory building 6 (1), No. 258, ZhiJiang Road,
Fengxian District, Shanghai City, Z.P.: 201499 China
Tel. +86 (021) 67100 838
Fax +86 (021) 67100 605
info@fluidotech-asia.com

TM 300-400 en – 09/18 Ed.