Outlet Elements with additional inlet port P1

TC-02-__

Description
The outlet elements TC-01-__ are employed to connect the P and T channels of the ED elements of the Directional Valve Assembly, and to provide an extra inlet port P1, either size G 3/8 or G 1/2.

The outlet elements TC-01-__ are available in two versions:
- Body made of Black Anodized Aluminium (Al), or
- Body made of Yellow Zinc plated (Cr+3) Cast Iron (CI).

Technical data

<table>
<thead>
<tr>
<th>General</th>
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<tbody>
<tr>
<td>Weight TC-02-02-...AL element kg (lbs)</td>
<td>0.16 (0.35)</td>
</tr>
<tr>
<td>Weight TC-02-03-...AL element kg (lbs)</td>
<td>0.26 (0.56)</td>
</tr>
<tr>
<td>Weight TC-02-03-...CI element kg (lbs)</td>
<td>0.64 (1.41)</td>
</tr>
<tr>
<td>Ambient Temperature °C (°F)</td>
<td>-20....+50 (-4....+122) (NBR seals)</td>
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<table>
<thead>
<tr>
<th>Hydraulic</th>
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<tbody>
<tr>
<td>Maximum flow in P l/min (gpm)</td>
<td>50 (13.2)</td>
</tr>
<tr>
<td>Maximum pressure for aluminium version (AL) bar (psi)</td>
<td>250 (3625)</td>
</tr>
<tr>
<td>Maximum pressure for Cast Iron version (CI) bar (psi)</td>
<td>310 (4500)</td>
</tr>
<tr>
<td>Hydraulic fluid</td>
<td></td>
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</tbody>
</table>
| General properties: it must have physical lubricating and chemical properties suitable for use in hydraulic systems such as, for example: | Mineral oil based hydraulic fluids HL (DIN 51524 part 1).
|                           | Mineral oil based hydraulic fluids HLP (DIN 51524 part 2). For use of environmentally acceptable fluids (vegetable or polyglycol base) please consult us. |
| Fluid Temperature °C (°F) | -20....+80 (-4....+176) (NBR) |
| Permissible degree of fluid contamination | ISO 4572: β,≥75 X=12...15
ISO 4406: class 20/18/15
NAS 1638: class 9 |
| Viscosity range mm²/s     | 5....420        |

Note
For applications with different specifications consult us
Ordering details

<table>
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<tr>
<th>01</th>
<th>02</th>
<th>03</th>
<th>04</th>
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<tbody>
<tr>
<td>TC</td>
<td>-</td>
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</table>

**Family**
01 Outlet Elements
TC

**Configuration**
02 with additional inlet port P1
02

**Ports**
03 G 3/8 DIN 3852
02
G 1/2 DIN 3852
03

**Material**
04 Aluminium
AL
Cast Iron
CI

Symbol

```
P     -  -
     |   |
T     -  -
P1    -  -
```
**External dimensions and fittings**

1. Flange specifications for coupling to the ED Directional Valve Elements.
2. For tie rod and tightening torque information see data sheet RE 18301-90.
3. Hydraulic Port P1 size G 3/8, for TC-02-02-...
4. Hydraulic Port P1 size G 1/2, for TC-02-03-...
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