Mounting subplates type BA

BA-\(*\) are single subplates with ISO mounting surface for installation of Atos valves and they are provided with threaded ports for connections to pressure, tank and users lines. They are characterized by low pressure drops and they are specific for directional, flow and pressure control valves ISO size 06, 10, 16, 20, 25 and 32.

Special subplates or manifolds for customized applications are available upon request.

The set of screws for the valve installation on the BA subplate must be ordered separately, see the code SET SC-* specified in the following sections.

### TECHNICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation position</td>
<td>Any position</td>
</tr>
<tr>
<td>Operating pressure</td>
<td>Ports P, T, A, B = 350 bar</td>
</tr>
<tr>
<td></td>
<td>See technical table of the valves to be assembled</td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>(-30^\circ\text{C} \div +70^\circ\text{C})</td>
</tr>
<tr>
<td>Fluid</td>
<td>Hydraulic oil as per DIN 51524...535, for other fluids contact our technical office</td>
</tr>
<tr>
<td>Recommended viscosity</td>
<td>15÷100 mm²/s - max allowed range: see the technical table of the valves to be assembled</td>
</tr>
<tr>
<td>Max fluid contamination level</td>
<td>See technical table of the valves to be assembled and filter section at <a href="http://www.atos.com">www.atos.com</a> or KTF catalog</td>
</tr>
<tr>
<td>Fluid temperature</td>
<td>See technical table of the valves to be assembled</td>
</tr>
<tr>
<td>Surface protection</td>
<td>zinc coating with black passivation</td>
</tr>
<tr>
<td>Corrosion resistance</td>
<td>Salt spray test (EN ISO 9227) &gt; 200 h</td>
</tr>
<tr>
<td>Compliance</td>
<td>RoHS Directive 2011/65/EU as last update by 2015/65/EU</td>
</tr>
</tbody>
</table>

### SINGLE STATION SUBPLATES FOR VALVES SIZE 06

ISO 4401:2005
Mounting surface: 4401-03-03-0-05

<table>
<thead>
<tr>
<th>Matching valves</th>
<th>Set of screw (to be ordered separately)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DH-00, DH-01</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DH-02, DH-04</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DH-05, DH-08</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DH-09</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DHI, DHA, DHW</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DHE, DHL</td>
<td>SET SC-DH</td>
</tr>
<tr>
<td>DHQ</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DLEH, DLEHM</td>
<td>SET SC-DH</td>
</tr>
<tr>
<td>DLAH, DLAHM</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DLWH</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>QV-06</td>
<td>SET SC-GV</td>
</tr>
<tr>
<td>RZMO, RZMA</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>RZME</td>
<td>SET SC-DH</td>
</tr>
<tr>
<td>R2GO, RZGA</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>R2GE</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DHZO, DHZA</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DHZE, DHZER</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>DLHZO, DLHZA</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>QVHZO-*-06</td>
<td>SET SC-DHZ</td>
</tr>
<tr>
<td>QVHZA</td>
<td>SET SC-DHZ</td>
</tr>
</tbody>
</table>

**VERSIONS**


BA-302/Y: version dimensionally identical to the corresponding basic version with the addition of X and Y ports (1/8”) on the base (see figure on the left). The Y version is always used for DHZO and DLHZO valves when drain from port Y is required.

X and Y ports are only present in the Y versions.

<table>
<thead>
<tr>
<th>Code</th>
<th>Ports (GAS)</th>
<th>[mm]</th>
<th>[mm]</th>
<th>[mm]</th>
<th>Mass [Kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA-202</td>
<td>3/8”</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.2</td>
</tr>
<tr>
<td>BA-204</td>
<td>3/8”</td>
<td>-</td>
<td>25.5</td>
<td>16.5</td>
<td>1.8</td>
</tr>
<tr>
<td>BA-302</td>
<td>1/2” (1/8”)</td>
<td>35</td>
<td>16.5</td>
<td>1.8</td>
<td></td>
</tr>
</tbody>
</table>
VERSIONS

BA-308: basic version without ports X and Y; ports P, A, B, T (1/2") on the base.


BA-434: basic version without ports X and Y; ports P and T (3/4") on the base; ports A and B (3/4") on the side.

BA-***Y: versions dimensionally analogous to the corresponding basic versions with the addition of X and Y ports (1/4") on the base (see figure on the left). The /Y versions are always used for valves type DKZOR, DLKZO, when drainage from port Y is required.

ISO 4401:2005
Mounting surface: 4401-07-07-0-05

Matching valves
- DK-11 SET SC-DKDP-1
- DK-12 SET SC-DKDP-T
- DKZ SET SC-DKDP-1
- DKZOR SET SC-DKDP-1
- DKZA SET SC-DKDP-1
- DLKZOR SET SC-DKDP-1
- DLKZA SET SC-DKDP-1

Set of screw (to be ordered separately)
- DP-21 SET SC-DP2
- DP-24 SET SC-DP2
- DP-25 SET SC-DP2
- DPH-28 SET SC-DP2
- DPH-29 SET SC-DP2
- DPH-2 SET SC-DP2
- DPHW-2 SET SC-DP2
- DPZ-2 SET SC-DP2
- DPZ-2 SET SC-DP2

Code | Ports (GAS) | Ø Counterbore | Mass (Kg)
--- | --- | --- | ---
BA- 308 (Y) | 1/2" | 1" | 21.5 | 2.5
BA- 428 (Y) | 3/4" | 1" | 21.5 | 5.5
BA- 434 (Y) | 3/4" | 1" | 21.5 | 8.5

X and Y ports are only present in the /Y versions.

ISO 4401:2005
Mounting surface: 4401-05-05-0-05

Matching valves
- DP-21 SET SC-DP2
- DP-24 SET SC-DP2
- DP-25 SET SC-DP2
- DPH-28 SET SC-DP2
- DPH-29 SET SC-DP2
- DPH-2 SET SC-DP2
- DPHW-2 SET SC-DP2
- DPZ-2 SET SC-DP2
- DPZ-2 SET SC-DP2

Set of screw (to be ordered separately)
- DK-11 SET SC-DKDP-1
- DK-12 SET SC-DKDP-T
- DKZ SET SC-DKDP-1
- DKZOR SET SC-DKDP-1
- DKZA SET SC-DKDP-1
- DLKZOR SET SC-DKDP-1
- DLKZA SET SC-DKDP-1

Code | Ports (GAS) | Ø Counterbore | Mass (Kg)
--- | --- | --- | ---
BA- 308 (Y) | 1/2" | 1/4" | 21.5 | 2.5
BA- 428 (Y) | 3/4" | 1/4" | 21.5 | 5.5
BA- 434 (Y) | 3/4" | 1/4" | 21.5 | 8.5

X and Y ports are only present in the /Y versions.
ISO 4401:2005
Mounting surface: 4401-08-08-0-05

VERSIONS

BA-509: basic version with ports P, T (1") and X, Y (1/4") on the base, ports A, B (1") on the side.

BA-618: basic version with ports P, A, B, T (1 1/4") and X, Y (1/4") on the base.

ISO 4401:2005
Mounting surface: 4401-10-09-0-05

VERSIONS

BA-708: basic version with ports P, A, B, T (1 1/2") and X, Y (1/4") on the base.
7 SINGLE STATION SUBPLATES FOR PRESSURE CONTROL VALVE SIZE 10, 20 AND 32

BA-306
Mounting surface
ISO 6264-06-09-0-97
matching valves:
AGAM-10
AGMZO-10
AGMA-10
BA-506
Mounting surface
ISO 6264-08-10-0-97
matching valves:
AGAM-20
AGMZO-20
AGMA-20
BA-706
Mounting surface
ISO 6264-10-17-0-97
matching valves:
AGAM-32
AGMZO-32
AGMA-32

BA-305
Mounting surface
ISO 5781-06-07-0-00
matching valves:
AGI*-10
AGRL-10
AGRL-10
AGRCZO-10
AGRCZA-10

BA-505
Mounting surface
ISO 5781-08-10-0-00
matching valves:
AGI*-20
AGRL-20
AGRL-20
AGRCZO-20
AGRCZA-20

BA-705
Mounting surface
ISO 5781-10-13-0-00
matching valves:
AGI*-32
AGRL-32
AGRL-32

VERSIONS
BA-306, BA-506, BA-706: basic version, see figure on left and dimensional tables.

VERSIONS
BA-305, BA-505: see figure on left and dimensional tables.

Matching valves Set of screw
AGI*-10(20) SET SC-AGI
AGRL(E)-10(20) SET SC-AGI
AGRCZO-10(20) SET SC-AGI
AGRCZA-10(20) SET SC-AGI
AGI*-32 SET SC-AGI-32
AGRL(E)-32 SET SC-AGRL-32

Code | size | Ports (GAS) | Mass [Kg]
---|---|---|---
BA-306 | 10 | 1/2" | 1/4" | 1.5
BA-506 | 20 | 1" | 1/4" | 3.5
BA-706 | 32 | 1 1/2" | 1 1/2" | 6

Mounting surface
ISO 5781: 2000

Mounting surface
ISO 6264: 1998

Matching valves Set of screw
AGAM-10 SET SC-AGA-10
AGMZO-10 SET SC-AGA-10
AGMA-10 SET SC-AGA-10
AGAM-20 SET SC-AGA-20
AGMZO-20 SET SC-AGA-20
AGMA-20 SET SC-AGA-20
AGAM-32 SET SC-AGA-32
AGMZO-32 SET SC-AGA-32
AGMA-32 SET SC-AGA-32

Code | size | Ports (GAS) | Mass [Kg]
---|---|---|---
BA-306 | 10 | 1/2" | 1/4" | 1.5
BA-506 | 20 | 1" | 1/4" | 3.5
BA-706 | 32 | 1 1/2" | 1 1/2" | 6

Mounting surface
ISO 6264: 1998

Mounting surface
ISO 5781: 2000