FEATURES
• Solenoid valve with adjustable electronic timer, integrated manual shut-off and filter
• The electronic timer is particularly designed for automatic control of condensate draining periods at regular, adjustable intervals

GENERAL
Differential pressure See «SPECIFICATIONS» [1 bar = 100 kPa]
Ambient temperature range -10°C to +50°C
Maximum viscosity 40 cSt (mm²/s)
Response time 8 - 20 ms
Electronic timer Converts a continuous power input into a succession of ON and OFF periods

Input to timer
Output to solenoid valve

ON : adjustable between 2 and 40 seconds
OFF : adjustable between 0.5 and 45 minutes

MATERIALS IN CONTACT WITH FLUID
(+) Ensure that the compatibility of the fluids in contact with the materials is verified

Fluids (+) Temperature range (TS) Seals (+)
air, inert gas, water, oil -25°C to +80°C NBR (nitrile)
FPM (fluoroelastomer)

ELECTRICAL CHARACTERISTICS
Coil insulation class F
Coil connection ISO 4400 / EN 175301-803, form A (for timer catalogue no. 88122627)
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)

Repeatability ± 0.1%
Scale accuracy ± 10%

Standard voltages DC (=) : 24V - 48V
(Other voltages and 60 Hz on request) AC (~) : 24V - 48V - 115V - 230V / 50 Hz

<table>
<thead>
<tr>
<th>Inrush</th>
<th>Holding</th>
<th>Hot/Cold</th>
<th>Operator</th>
<th>Replacement coil</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>(VA)</td>
<td>(VA)</td>
<td>(W)</td>
<td>ambient temperature range (TS)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>55</td>
<td>23</td>
<td>10,5</td>
<td>20°C 230V / 50Hz</td>
<td>24 V DC</td>
<td>01</td>
</tr>
</tbody>
</table>

(1) Refer to the dimensional drawings on the following page.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Pipe size</th>
<th>Orifice size</th>
<th>Flow coefficient</th>
<th>Operating pressure differential (bar)</th>
<th>Power coil (W)</th>
<th>Catalogue number</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC - Normally closed</td>
<td>1/2</td>
<td>4,5</td>
<td>0,42</td>
<td>7</td>
<td>0</td>
</tr>
</tbody>
</table>

All leaflets are available on: www.asconumatics.eu
OPTIONS AND ACCESSORIES

- Other pipe threads are available on request
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

INSTALLATION

- The assembly can be mounted in any position without affecting operation
- Solenoid valves have 2 mounting holes in body (ØM4, depth 6 mm)
- 1/4 pipe connections (G*) have standard combination thread according to ISO 228/1 and ISO 7/1. Pipe connections G 1/2 have standard thread according to ISO 228/1
- Installation/maintenance instructions are included with each assembly

SPARE PARTS KITS

<table>
<thead>
<tr>
<th>catalogue number</th>
<th>spare parts kit no.</th>
<th>solenoid valve</th>
<th>drain valve G 1/2</th>
<th>electronic timer</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDVAE272A019</td>
<td>C140040</td>
<td>88100914</td>
<td>88122627</td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLES:

<table>
<thead>
<tr>
<th>CDVA E 272 A 019</th>
<th>230V / 50 Hz</th>
</tr>
</thead>
<tbody>
<tr>
<td>prefix pipe thread voltage</td>
<td></td>
</tr>
<tr>
<td>basic number</td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLES KITS:

<table>
<thead>
<tr>
<th>basic number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDVAE272A019</td>
</tr>
</tbody>
</table>

DIMENSIONS (mm), WEIGHT (kg)

TYPE 01
IEC 335 / ISO 4400
Solenoid operated drain valve assembly with electronic timer
1/4 IP65

ORDERING EXAMPLES:

<table>
<thead>
<tr>
<th>CDVA E 272 A 019</th>
<th>24V DC</th>
</tr>
</thead>
<tbody>
<tr>
<td>prefix pipe thread voltage</td>
<td></td>
</tr>
<tr>
<td>basic number</td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLES KITS:

<table>
<thead>
<tr>
<th>basic number</th>
</tr>
</thead>
<tbody>
<tr>
<td>C140040</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>type</th>
<th>weight (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>0.550</td>
</tr>
</tbody>
</table>

(1) Assembly with connector.

① Orientable electronic timer
② Seal and connection according to ISO 4400 / EN 175301-803, form A, for mounting of timer (catalogue number: 88122627)

All leaflets are available on: www.asconumatics.eu
PILOT OPERATED DRAIN VALVE ASSEMBLY WITH ELECTRONIC TIMER

32 mm operator

1/2

FEATURES

- Drain valve 1/2 NC with solenoid pilot valve 3/2 NC and adjustable electronic timer for condensate draining applications (compressors etc.)
- The electronic timer is particularly designed for automatic control of condensate draining periods at regular, adjustable intervals
- The valve with stainless steel body is particularly suited for use with contaminated or corrosive fluids

GENERAL

Differential pressure
Max. pressure
Maximum viscosity
Pilot fluid
Pilot pressure
Ambient temperature range
Pilot fluid temperature
Electronic timer

See «SPECIFICATIONS» [1 bar = 100 kPa]
16 bar
600 cSt (mm³/s)
Filtered air or water
-10°C to +50°C
-10°C to +50°C
Converts a continuous power input into a succession of ON and OFF periods

MATERIALS IN CONTACT WITH FLUID

Ensure that the compatibility of the fluids in contact with the materials is verified

<table>
<thead>
<tr>
<th>Fluids</th>
<th>Temperature range</th>
<th>Seals</th>
</tr>
</thead>
<tbody>
<tr>
<td>air, inert gas, water, oil</td>
<td>-10°C to +140°C</td>
<td>PTFE</td>
</tr>
</tbody>
</table>

ELECTRICAL CHARACTERISTICS

Coil insulation class
Coil connection
Connector
Connector specification
Electrical safety
Electrical enclosure protection
Repeatability
Scale accuracy
Standard voltages

F
DIN 43650, 11 mm, industry standard B
Spade plug (cable Ø 6-10 mm)
ISO 4400 / EN 175301-803, form A
IEC 335
Moulded IP65 (EN 60529)
± 0,1%
± 10%
DC (=) : 24V - 48V
AC (-) : 24V - 48V - 115V - 230V / 50 Hz

<table>
<thead>
<tr>
<th>Power ratings</th>
<th>Operator ambient temperature range (TS)</th>
<th>Replacement coil</th>
</tr>
</thead>
<tbody>
<tr>
<td>inrush (VA)</td>
<td>holding (VA)</td>
<td>hot/cold (W)</td>
</tr>
<tr>
<td>12</td>
<td>6</td>
<td>4 / 6,9</td>
</tr>
<tr>
<td>(C°)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(1) Refer to the dimensional drawings on the following page.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Pipe size</th>
<th>DN</th>
<th>Coefficient Kv</th>
<th>Pilot pressure (bar)</th>
<th>Operating pressure differential (bar)</th>
<th>Operator diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>(G*)</td>
<td>(mm)</td>
<td>(m³/h)</td>
<td>(l/min)</td>
<td>max.</td>
<td>min. air, inert gas (*)</td>
</tr>
<tr>
<td>NC - Normally closed, entry under the disc</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>drain valve: 1/2</td>
<td>15</td>
<td>4,1</td>
<td>68</td>
<td>4</td>
<td>10</td>
</tr>
</tbody>
</table>
OPTIONS AND ACCESSORIES

- Other pipe threads are available on request
- Optical position indicator on dia. 32 mm operator
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

INSTALLATION

- The assembly can be mounted in any position without affecting operation
- Compatible with ASTM 1, 2 and 3 oils
- Pipe connections (G") have standard combination thread according to ISO 228/1 and ISO 7/1
- Installation/maintenance instructions are included with each assembly

SPARE PARTS KITS

<table>
<thead>
<tr>
<th>catalogue number</th>
<th>spare parts kit no.</th>
<th>drain valve Ø 32 mm</th>
<th>electronic timer</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDVAE290B792</td>
<td>C140101</td>
<td>88122638</td>
<td></td>
</tr>
</tbody>
</table>

ORDERING EXAMPLES:

- CDVA E 290 B 792 230V / 50 Hz
- CDVA E 290 B 792 24V DC

ORDERING EXAMPLES KITS:

- C140101

SPARE PARTS KITS

<table>
<thead>
<tr>
<th>type</th>
<th>weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>0.555</td>
</tr>
</tbody>
</table>

DIMENSIONS (mm), WEIGHT (kg)

TYPE 01

32 mm operator
Fluid entry: under the disc at 2
Pilot operated drain valve assembly with electronic timer
1/8 IP65

ORDERING EXAMPLES:

- CDVA E 290 B 792 230V / 50 Hz
- CDVA E 290 B 792 24V DC

ORDERING EXAMPLES KITS:

- C140101

<table>
<thead>
<tr>
<th>type</th>
<th>weight (1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>0.555</td>
</tr>
</tbody>
</table>

Assembly with connector.

1 Orientable electronic timer
2 Seal and connection according to DIN 43650, 11 mm, industry standard B, for mounting of timer (catalogue number: 88122638)