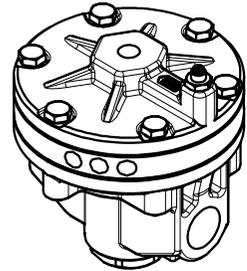
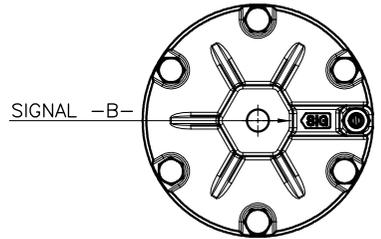
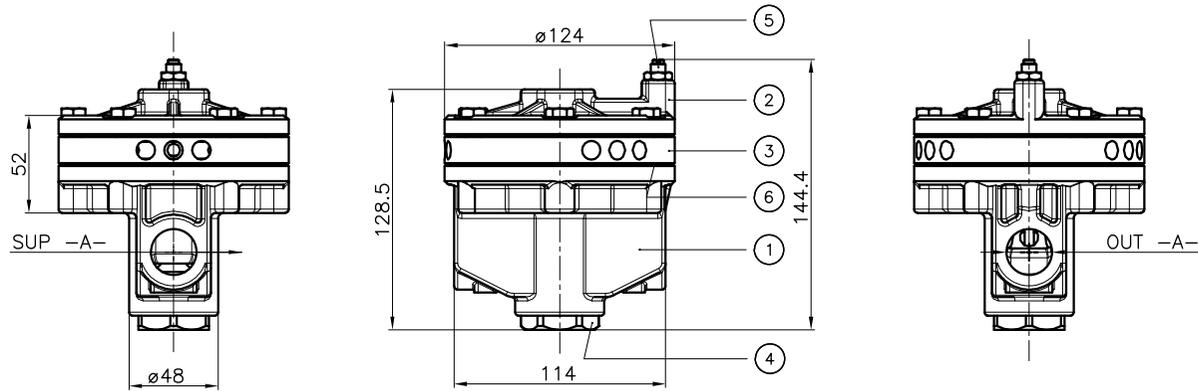


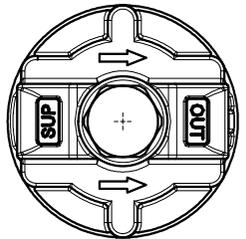
| REV. NO. | REVISION | DESCRIPTION | DATE | APPROVED |
|----------|----------|-------------|------|----------|
| A        |          |             |      |          |



| No. | Part name    | Material          |
|-----|--------------|-------------------|
| 1   | Body         | ALDC 12.1, SUS316 |
| 2   | Cover        | ALDC 12.1, SUS316 |
| 3   | Exhaust ring | ALDC 12.1, SUS316 |
| 4   | Drain plug   | ALDC 12.1, SUS316 |
| 5   | Adjust screw | ALDC 12.1, SUS316 |
| 6   | Diaphragm    | NBR               |



| SUP, OUT -A- | SIG -B- |
|--------------|---------|
| PT 3/8       | PT 1/4  |
| NPT 3/8      | NPT 1/4 |
| PT 1/2       | PT 1/4  |
| NPT 1/2      | NPT 1/4 |



-SPECIFICATIONS

| Model                                   | AVB - 3000  | AVB - 3100          |
|---|---|---------------------|
| Supply Air Pressure                     | Max. 10bar (150 psi)  |                     |
| Signal Air Pressure (positioner output) | Max. 7bar (105 psi)   |                     |
| Supply Air Quality acc. to ISO 8573-1   | Filtered, compressed dry and non-oiled to meet Class 3          |                     |
| Pressure Ratio : signal to output       | 1 : 1   |                     |
| Dead Band                               | 2% (0.016 bar)  |                     |
| Hysteresis                              | 1 %   |                     |
| Linearity                               | ±1% F.S   |                     |
| Supply Cv                               | 5.1   |                     |
| Exhaust Cv                              | 5.1   |                     |
| Operating Ambient Temperature           | -20°C ~ +80°C (std), -20°C ~ +120°C (high), -40°C ~ +80°C (low) |                     |
| Weight                                  | 2.0 kg  | 4.3 kg              |
| Supply (SUP) Output (OUT)               | PT 3/4 or NPT 3/4   | NPT 3/4             |
| Signal (SIG)                            | PT 1/4 or NPT 1/4   | NPT 1/4             |
| Body                                    | Aluminum die-cast   | Stainless steel 316 |
| Diaphragm                               | NBR(standard)   |                     |
| O-rings                                 | NBR(standard)   |                     |

| Body Material   | Port Size  | Operating Temperature   | Options  |
|---|--|---|--|
| AVB<br><input type="checkbox"/> 0 : Aluminum die-cast<br><input type="checkbox"/> 1 : Stainless steel 316 | <input type="checkbox"/> 0 : PT (Rc) 3/4<br><input type="checkbox"/> 1 : NPT 3/4 | <input type="checkbox"/> 0 : -20°C ~ +80°C<br><input type="checkbox"/> 1 : -20°C ~ +120°C<br><input type="checkbox"/> 2 : -40°C ~ +80°C | <input type="checkbox"/> N : None<br><input type="checkbox"/> A : Supply pressure gauge port<br><input type="checkbox"/> B : NPT 1/2 threaded exhaust port<br><input type="checkbox"/> C : A + B |

**PG POWER-GENEX**  
<http://www.power-genex.com>

TITLE : AIR VOLUME BOOSTER

|                    |           |                |                   |
|--------------------|-----------|----------------|-------------------|
| NAME               | SIGNATURE | PROJ : 3rd     | PRODUCT NAME :    |
| DRAWN Kim. D. H    |           | SCALE : 1:1    | MODEL :           |
| CHECKED Kim. K. W  |           | SIZE : A3      | AVB 3000          |
| APPROVED Kim. K. W |           |                | DWG NO. PG-AVB-03 |
| DATE               |           | DIMENSION : mm | REV. NO. A        |
| QUANTITY           |           | SHEET 1 OF 1   |                   |