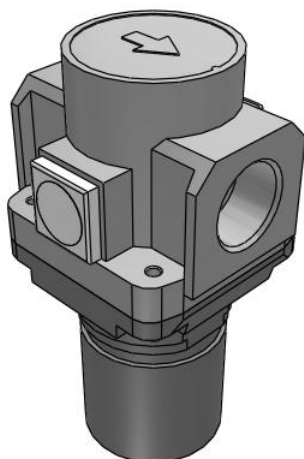




## AR-B, Regulator & Regulator w/Backflow Function AR50-F10E-B

### Datasheet

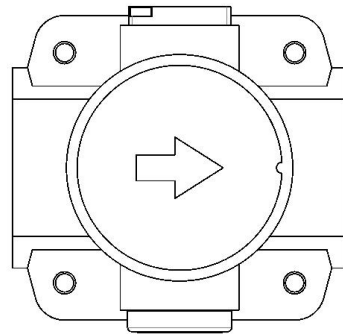
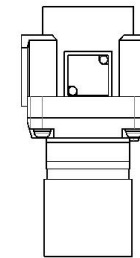
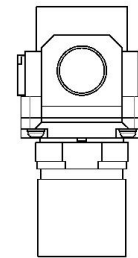
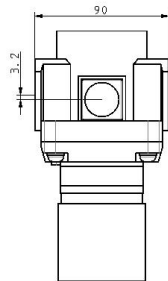
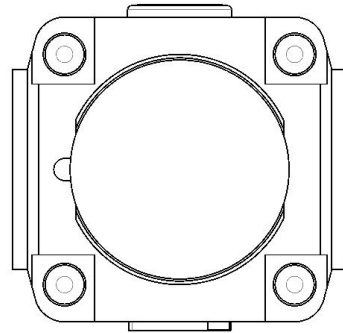
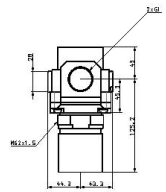
### General series information

- This product is being discontinued and will be replaced by AR-D series. [Update details here.](#)

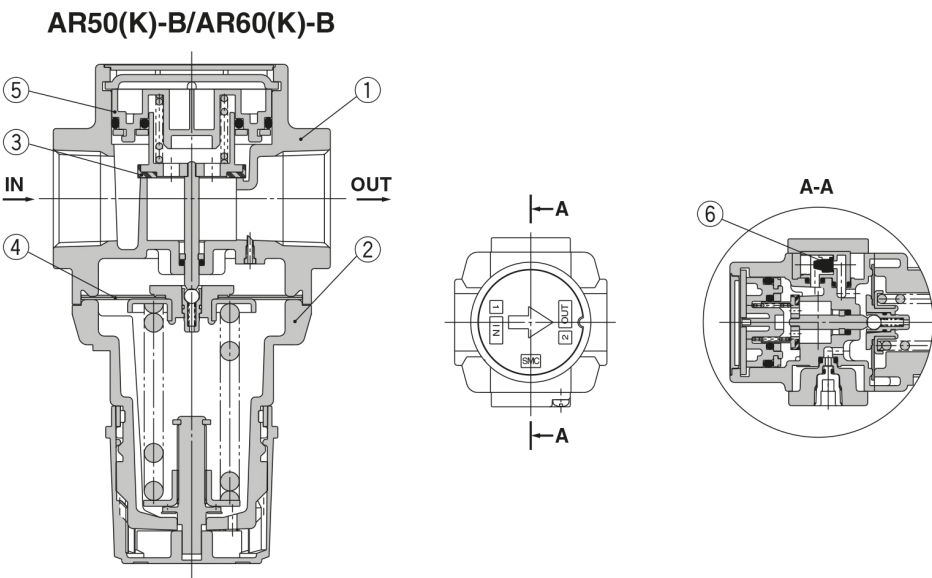


### Standard specifications

|                             |                                                               |
|-----------------------------|---------------------------------------------------------------|
| Made to Order 1             | None                                                          |
| Body Size                   | 50                                                            |
| Backflow Function           | None                                                          |
| Thread                      | F (G)                                                         |
| Port                        | 10 (1)                                                        |
| Option                      | E (Square embedded type pressure gauge, with limit indicator) |
| Semi-standard               | Standard                                                      |
| Made to Order 2             | None                                                          |
| Pressure medium             | Air                                                           |
| Maximum operating pressure  | 1.0 MPa                                                       |
| Proof pressure              | 1.5 MPa                                                       |
| Maximum ambient temperature | 60 °C                                                         |
| Minimum ambient temperature | -5 °C (with no freezing)                                      |
| Approvals                   | No need                                                       |
| Weight                      | 1.137 Kg                                                      |



Constructions



Component Parts

| No. | Description | Material           | Model                  | Colour |
|-----|-------------|--------------------|------------------------|--------|
| 1   | Body        | Zinc die-cast      | AR10-A                 | White  |
|     |             | Aluminium die-cast | AR20(K)-B to AR60(K)-B |        |
| 2   | Bonnet      | Polyacetal         | AR10-A                 | White  |
|     |             |                    | AR20(K)-B to AR40(K)-B |        |
|     |             | Aluminium die-cast | AR50(K)-B/ AR60(K)-B   |        |

[AR20(K)-B to AR60(K)-B]

| No. | Description                        | Material        | Part no.     |             |             |             |              |             |
|-----|------------------------------------|-----------------|--------------|-------------|-------------|-------------|--------------|-------------|
|     |                                    |                 | AR20(K)-B    | AR25(K)-B   | AR30(K)-B   | AR40(K)-B   | AR40(K)-06-B | AR50(K)-B   |
| 3   | Valve                              | Brass, HNBR     | AR20P-410S   | AR25P-410S  | AR30P-410S  | AR40P-410S  | AR50P-410S   | AR60P-410S  |
| 4   | Diaphragm assembly                 | Weatherable NBR | AR20P-150AS  | AR25P-150AS | AR30P-150AS | AR40P-150AS | AR50P-150AS  |             |
| 5   | Valve guide assembly               | Polyacetal      | AR20P-050AS  | AR25P-050AS | AR30P-050AS | AR40P-050AS | AR50P-050AS  | AR60P-050AS |
| 6   | Check valve assembly <sup>*1</sup> | —               | AR23KP-020AS |             |             |             |              |             |

<sup>\*1</sup> Check valve assembly is applicable for a regulator with backflow function (AR20K-B to AR60K-B) only.  
Assembly of a check valve cover, check valve body assembly and 2 mounting screws

## Additional information

|                      |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|
| Catalogue            | <a href="#">AC-B-B_EU.pdf</a>                                                    |
| Installation manuals | <a href="#">IM_AR-B_TF2Z394EN.pdf</a>                                            |
| Operation manuals    | <a href="#">OM_AR-B_OMS0056EN.pdf</a><br><a href="#">OM_ARxK-B_OMT0015EN.pdf</a> |