

# Air Combination Series AC Options/Attachments

## Options/Attachments Part No.

| Section                           | Model<br><br>Type                                                 |                                | Part no.                         |                                                                         |                          |                              |                |                |                |           |           |
|-----------------------------------|-------------------------------------------------------------------|--------------------------------|----------------------------------|-------------------------------------------------------------------------|--------------------------|------------------------------|----------------|----------------|----------------|-----------|-----------|
|                                   |                                                                   |                                | For AC10                         | For AC20                                                                | For AC25                 | For AC30                     | For AC40       | For AC40-06    | For AC50       | For AC55  | For AC60  |
|                                   |                                                                   |                                | For AC10A                        | For AC20A                                                               | —                        | For AC30A                    | For AC40A      | For AC40A-06   | For AC50A      | —         | For AC60A |
|                                   |                                                                   |                                | For AC10B                        | For AC20B                                                               | For AC25B                | For AC30B                    | For AC40B      | For AC40B-06   | For AC50B      | For AC55B | For AC60B |
|                                   |                                                                   | —                              | For AC20C                        | For AC25C                                                               | For AC30C                | For AC40C                    | For AC40C-06   | —              | —              | —         |           |
|                                   |                                                                   | —                              | For AC20D                        | —                                                                       | For AC30D                | For AC40D                    | For AC40D-06   | —              | —              | —         |           |
| Option                            | Pressure gauge <small>Note 1)</small>                             | Round type                     | G27-10-R1                        | G36-10-□01                                                              |                          |                              | G46-10-□02     |                |                |           |           |
|                                   |                                                                   | 0.02 to 0.2 MPa setting        | G27-10-R1 <small>Note 3)</small> | G36-2-□01                                                               |                          |                              | G46-2-□02      |                |                |           |           |
|                                   | Round type <small>(with color zone)</small>                       | Standard                       | —                                | G36-10-□01-L                                                            |                          |                              | G46-10-□02-L   |                |                |           |           |
|                                   |                                                                   | 0.02 to 0.2 MPa setting        | —                                | G36-2-□01-L                                                             |                          |                              | G46-2-□02-L    |                |                |           |           |
|                                   | Square embedded type <small>Note 2)</small>                       | Standard                       | —                                | GC3-10AS [GC3P-010AS (Pressure gauge cover only)]                       |                          |                              |                |                |                |           |           |
|                                   |                                                                   | 0.02 to 0.2 MPa setting        | —                                | GC3-2AS [GC3P-010AS (Pressure gauge cover only)]                        |                          |                              |                |                |                |           |           |
|                                   | Digital pressure switch                                           | NPN output/Wiring bottom entry | —                                | ISE35-N-25-MLA [ISE35-N-25-M (Switch body only)] <small>Note 4)</small> |                          |                              |                |                |                |           |           |
|                                   |                                                                   | NPN output/Wiring top entry    |                                  | ISE35-R-25-MLA [ISE35-R-25-M (Switch body only)] <small>Note 4)</small> |                          |                              |                |                |                |           |           |
|                                   |                                                                   | PNP output/Wiring bottom entry |                                  | ISE35-N-65-MLA [ISE35-N-65-M (Switch body only)] <small>Note 4)</small> |                          |                              |                |                |                |           |           |
|                                   |                                                                   | PNP output/Wiring top entry    |                                  | ISE35-R-65-MLA [ISE35-R-65-M (Switch body only)] <small>Note 4)</small> |                          |                              |                |                |                |           |           |
| Float type <small>Note 5)</small> |                                                                   | N.O.                           |                                  | —                                                                       | —                        | AD38                         | AD48           |                |                |           |           |
| auto drain                        | N.C.                                                              | AD17                           | AD27                             | AD37                                                                    | AD47                     |                              |                |                |                |           |           |
| Attachment                        | Spacer                                                            |                                | Y100                             | Y200                                                                    | Y300                     | Y400                         | Y500           | Y600           |                |           |           |
|                                   | Check valve <small>Note 6)</small> <small>Note 7)</small>         |                                | —                                | AKM2000-□01 (□02)                                                       | AKM3000-(□01) □02        | AKM4000-(□02) □03            | —              | —              | —              | —         |           |
|                                   | Pressure switch <small>Note 7)</small>                            |                                | —                                | IS1000M-20                                                              | IS1000M-30               | IS1000M-40                   | IS1000M-50     | IS1000M-60     |                |           |           |
|                                   | T-interface <small>Note 6)</small> <small>Note 7)</small>         |                                | Y110-M5                          | Y210-□01 (□02)                                                          | Y310-(□01) □02           | Y410-(□02) □03               | Y510-(□02) □03 | Y610-□03 (□04) | Y610-(□03) □04 |           |           |
|                                   | 3-port valve for residual pressure release <small>Note 7)</small> |                                | —                                | VHS20-□01 □02                                                           | VHS30-□02 □03            | □02<br>VHS40-□03 □04         | VHS40-□06      | VHS50-□06 □10  | —              | —         |           |
|                                   | Piping adapter <small>Note 7)</small>                             |                                | E100-M5                          | □01<br>E200-□02 □03                                                     | □02<br>E300-□03 □04      | □02<br>E400-□03 □04 □06      | E500-□06       | E600-□06 □10   |                |           |           |
|                                   | Pressure switch with piping adapter <small>Note 7)</small>        |                                | —                                | □01<br>IS1000E-20□02 □03                                                | □02<br>IS1000E-30□03 □04 | □02<br>IS1000E-40□03 □04 □06 | —              | —              | —              | —         |           |
|                                   | Cross spacer <small>Note 7)</small>                               |                                | Y14-M5                           | Y24-□01 □02                                                             | Y34-□01 □02              | Y44-□02 □03                  | Y54-□03 □04    | —              | —              | —         |           |

Note 1) □ in part numbers for a round pressure gauge indicates a type of connection thread. No indication is necessary for R; however, indicate N for NPT. Please contact SMC regarding the connection thread NPT and pressure gauge supply for psi unit specifications.

Note 2) Including one O-ring and 2 mounting screws

Note 3) Standard pressure gauge

Note 4) Lead wire with connector (2 m), adapter, lock pin, O-ring (1 pc.), mounting screw (2 pcs.) are attached. [ ]: Switch body only.

Also, regarding how to order the digital pressure switch, please refer to page 388.

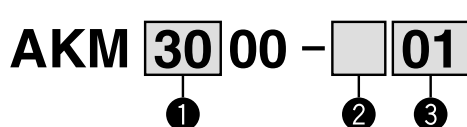
Note 5) Minimum operating pressure: N.O. type—0.1 MPa; N.C. type—0.1 MPa (AD17/27) and 0.15 MPa (AD37/47). Please contact SMC for psi and °F unit specifications.

Note 6) For F.R.L. units, port sizes without ( ) are standard specifications.

Note 7) Separate interfaces are required for modular unit.

## Check Valve: (K) 1/8, 1/4, 3/8

A check valve with intermediate air release port can be easily installed to prevent a backflow of lubricant when redirecting the air flow and releasing the air on the outlet side of the regulator.

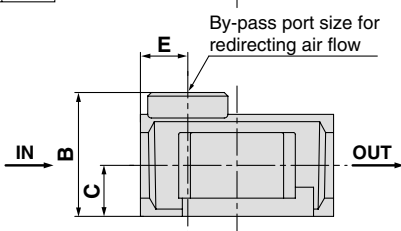
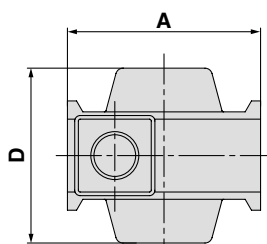
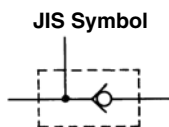


|                     | Symbol | Description | ① Body size |    |    |
|---------------------|--------|-------------|-------------|----|----|
|                     |        |             | 20          | 30 | 40 |
| ② Thread type       | Nil    | Rc          | ●           | ●  | ●  |
|                     | N      | NPT         | ●           | ●  | ●  |
|                     | F      | G           | ●           | ●  | ●  |
| ③ By-pass port size | +      |             | ●           | ●  | —  |
|                     | 01     | 1/8         | ●           | ●  | ●  |
|                     | 02     | 1/4         | ●           | ●  | ●  |
|                     | 03     | 3/8         | —           | —  | ●  |

### Specifications

| Model   | Effective area (mm <sup>2</sup> ) |
|---------|-----------------------------------|
| AKM2000 | 28                                |
| AKM3000 | 55                                |
| AKM4000 | 111                               |

Be sure to use above check valves when redirecting the air flow on the inlet side of the lubricator. Threads for IN and OUT ports are not machined.



| Model   | By-pass port size | A  | B  | C  | D  | E  | Applicable model           |
|---------|-------------------|----|----|----|----|----|----------------------------|
| AKM2000 | 1/8, 1/4          | 40 | 28 | 11 | 40 | 11 | AC20, AC20A                |
| AKM3000 | 1/8, 1/4          | 53 | 34 | 14 | 48 | 13 | AC25, AC25A<br>AC30, AC30A |
| AKM4000 | 1/4, 3/8          | 70 | 42 | 18 | 54 | 15 | AC40, AC40A (Note)         |

Note) A pressure switch cannot be mounted on the AC40□-06.

\* Refer to the attachment table above for standard by-pass port sizes applicable to the AC.