

# Vacuum generator (without control class)

## Model Number

### ■ mini vacuum generator BM series



BM5 - B - N - V

① ② ③ ④

| ① Model - Capacity equivalent to electric pump size |        |
|-----------------------------------------------------|--------|
| PBM5                                                | 0.05KW |
| PBM10                                               | 0.10KW |
| PBM20                                               | 0.20KW |
| PBM30                                               | 0.30KW |

| ② Air supply port, vacuum port, exhaust port |            |        |                  |
|----------------------------------------------|------------|--------|------------------|
|                                              | Air supply | vacuum | venting          |
| A                                            | M5-φ6      | G1/8"  | Vent exhaust     |
| B                                            | G1/8"      | G3/8"  | Built-in muffler |
| C                                            | G1/8"      | G3/8"  | External muffler |

| ③ Check valve |                  |
|---------------|------------------|
| blank         | Basic type       |
| N             | With check valve |

| ④ Sealing element |                             |
|-------------------|-----------------------------|
| blank             | Standard (butadiene rubber) |
| V                 | fluororubber                |
| E                 | Epdm rubber                 |

### ■ Multistage vacuum generator M series



M 40 2 B - A - D

① ② ③ ④ ⑤ ⑥ ⑦

| ① Vacuum generator tube    |                                       |
|----------------------------|---------------------------------------|
| 40                         | Vacuum flow pattern (4.5bar)          |
| 32                         | Normal form (6.0bar)                  |
| 48                         | Low pressure gas supply type (3.5bar) |
| ⑥ Compressed air connector |                                       |
| A                          | G1/4" Internal thread                 |

| ② Number |   |
|----------|---|
| 1        | 1 |
| 2        | 2 |
| 3        | 3 |
| 4        | 4 |
| 5        | 5 |
| 6        | 6 |

| ③ Valve arrangement |             |
|---------------------|-------------|
| B                   | Standard    |
| A                   | Check valve |

| ④ Sealing material |                  |
|--------------------|------------------|
| blank              | butadiene rubber |
| V                  | fluororubber     |

| ⑤ Feature |              |
|-----------|--------------|
| blank     | non-function |
| F         | ES           |

| ⑦ Vacuum connector, exhaust port |                               |
|----------------------------------|-------------------------------|
| D                                | 3/4" Internal thread          |
| B                                | G1" Internal thread (5 and 6) |

### ■ Tube vacuum generator ZU series



ZU 05 S

① ②

| ① Nozzle direct |         |
|-----------------|---------|
| 05              | φ 0.5mm |
| 07              | φ 0.7mm |

| ② Maximum vacuum |        |
|------------------|--------|
| S                | -88kPa |
| L                | -48kPa |

### ■ Basic vacuum generator ZH series



Box type ZH 07 B S - 06 - 06

cast ZH 07 D S - 01 - 01 - 01

① ② ③ ④ ⑤

| ① Nozzle direct (mm) |     |
|----------------------|-----|
| 05                   | 0.5 |
| 07                   | 0.7 |
| 10                   | 1.0 |
| 13                   | 1.3 |
| 15                   | 1.5 |
| 18                   | 1.8 |
| 20                   | 2.0 |

| ② Maximum vacuum |            |
|------------------|------------|
| S                | -88kPa     |
| L                | -48~-53kPa |

| ③ P.Orifice connecting calibers |        |                    |
|---------------------------------|--------|--------------------|
| mark                            | size   | form               |
| 06                              | Φ6     | Quick change joint |
| 08                              | Φ8     | Quick change joint |
| 10                              | Φ10    | Quick change joint |
| 12                              | Φ12    | Quick change joint |
| 01                              | Rc 1/8 | Threaded joint     |
| 02                              | Rc 1/4 | Threaded joint     |
| 03                              | Rc 3/8 | Threaded joint     |

| ④ V.Orifice connecting calibers |        |                    |
|---------------------------------|--------|--------------------|
| mark                            | size   | form               |
| 06                              | Φ6     | Quick change joint |
| 10                              | Φ10    | Quick change joint |
| 12                              | Φ12    | Quick change joint |
| 16                              | Φ16    | Quick change joint |
| 01                              | Rc 1/8 | Threaded joint     |
| 02                              | Rc 1/4 | Threaded joint     |
| 03                              | Rc 3/8 | Threaded joint     |
| 04                              | Rc 1/2 | Threaded joint     |

| ⑤ E.Orifice connecting calibers |        |                    |
|---------------------------------|--------|--------------------|
| mark                            | size   | form               |
| 06                              | Φ6     | Quick change joint |
| 08                              | Φ8     | Quick change joint |
| 10                              | Φ10    | Quick change joint |
| 12                              | Φ12    | Quick change joint |
| 16                              | Φ16    | Quick change joint |
| 01                              | Rc 1/8 | Threaded joint     |
| 02                              | Rc 1/4 | Threaded joint     |
| 03                              | Rc 3/8 | Threaded joint     |
| 04                              | Rc 1/2 | Threaded joint     |