Robust vertical multistage pumps providing high discharge heads and high efficiencies, with an in-line design requiring minimal floor space for installation.

Features

Uses standard IEC motors, allowing the use of specific brand or enclosure motors if required, and ease of replacement.

Thrust bearing in models over 1.5 kW (3.0 kW for EVMG 18) for improved reliability and ease of assembly.

Installation dimensions to industry standard for easy upgrade or replacement.

Applications

- Industrial
- Commercial Buildings
- Agricultural
- Original Equipment Manufacturers
- Municipalities

- Pressure boosting
- Irrigation
- Boiler feed
- Fire fighting
- Industrial washing
- Water treatment
- Filtration

Specifications

- Vertical multistage in-line pump
- Closed centrifugal impellers
- In built thrust bearing with models above 1.5 kW (above 3.0 kW for EVMG 18)
- Maximum working pressure: 16 or 25 bar, depending on model. Refer to performance table.
- Maximum liquid temperature: -15 °C to +120 °C
- Maximum solid content: 50 ppm (size 0.1 to 0.25 mm or less)

Materials

- Impellers: 304 stainless steel
- Intermediate casings: 304 stainless steel
- Outer casing: 316 stainless steel
- Bottom casing: cast iron
- Top casing: cast iron
- Shaft: 316 stainless steel
- Motor Bracket: cast iron
- Mechanical seal: Silicon Carbide/Carbon/Viton
- Liner Rings: EPDM & 304 SS
- O-Rings: EPDM

Motor Data

- Uses IEC standard 2 pole 50 Hz motors
- Face or flange mount (See dimension table for details)
- 3 phase, TEFC, Class F, IP55

Range

- 25 to 50 mm Ø discharge
- 0.37 to 15 kW - 3 phase
- 16 bar oval flange with screwed companion flange or
- 25 bar DIN round flange
- Depending on model. See dimension table for details.

Supply

- Can be supplied as pump end without motor.
- Models with oval flange (N type) are supplied with zinc plated steel companion flanges.

Options

- Single phase motors (up to 3.0 kW)
- Special enclosure or specific brand on request.
## Performance

### Model EVMG 3~18

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>Motor Model</th>
<th>Motor Connection</th>
<th>Maximum Pressure</th>
<th>Capacity - lpm</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVMG 10-15F5/11</td>
<td>6N5/1,1</td>
<td>25 bar Round DIN flange</td>
<td>160 MPa</td>
<td>224.0</td>
</tr>
<tr>
<td>EVMG 10-6N5/2.2</td>
<td>3N5/0.75</td>
<td>25 bar Round DIN flange</td>
<td>120 MPa</td>
<td>168.0</td>
</tr>
<tr>
<td>EVMG 10-4N5/1.1</td>
<td>5N5/0.55</td>
<td>25 bar Round DIN flange</td>
<td>80 MPa</td>
<td>88.0</td>
</tr>
<tr>
<td>EVMG 10-2N5/0.75</td>
<td>2N5/0.75</td>
<td>25 bar Round DIN flange</td>
<td>50 MPa</td>
<td>44.0</td>
</tr>
<tr>
<td>EVMG 10-15F5/15.0</td>
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<td>25 bar Round DIN flange</td>
<td>160 MPa</td>
<td>224.0</td>
</tr>
<tr>
<td>EVMG 10-12/11</td>
<td>3N5/0.75</td>
<td>25 bar Round DIN flange</td>
<td>120 MPa</td>
<td>168.0</td>
</tr>
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<td>25 bar Round DIN flange</td>
<td>50 MPa</td>
<td>44.0</td>
</tr>
</tbody>
</table>

### EVMG 3-18F5/11

- **Motor Model:** 6N5/1,1
- **Maximum Pressure:** 160 MPa
- **Capacity - lpm:** 224.0

### EVMG 3-12F5/12

- **Motor Model:** 6N5/1.1
- **Maximum Pressure:** 120 MPa
- **Capacity - lpm:** 168.0

### EVMG 3-8F5/8

- **Motor Model:** 5N5/0.55
- **Maximum Pressure:** 80 MPa
- **Capacity - lpm:** 88.0

### EVMG 3-4F5/4

- **Motor Model:** 3N5/0.75
- **Maximum Pressure:** 50 MPa
- **Capacity - lpm:** 44.0

### EVMG 3-2F5/2

- **Motor Model:** 2N5/0.75
- **Maximum Pressure:** 30 MPa
- **Capacity - lpm:** 22.0
Typical construction
2.2 to 4.0 kW models (EVMG 3~10)
4.0 kW models (EVMG 18)

Models without Thrust Bearing
(up to 1.5 kW EVMG 3~10)
(up to 3.0 kW for EVMG 18)

16 Bar Oval Flange
(Model N type) 

25 Bar Round DIN Flange
(Model F type)

No. | Description | Material | Qty, up 11 stages | Qty, 12 stages & above
--- | --- | --- | --- | ---
005-1 | Suction cover | 304 Stainless Steel | 1 | |
005-2 | Intermediate casing | 304 Stainless Steel | | |
005-3 | Intermediate bearing casing | 304 Stainless Steel | 1 | 2
005-4 | Discharge casing | 304 Stainless Steel | 1 | |
006 | Bottom casing | Cast Iron (EN-GJL-200) | 1 | |
007 | Outer casing | 316 Stainless Steel | 1 | |
021 | Impeller | 304 Stainless Steel | | |
031 | Shaft | 316 Stainless Steel | 1 | |
048 | Impeller nut | 304 Stainless Steel | 1 | |
051 | Motor adaptor | Cast Iron (EN-GJL-200) | 1 | |
052-1 | Bearing | Tungsten Carbide | 1 | 2
056 | Ball bearing (thrust) | EPDM & 304 Stainless Steel | 1 | 2
107 | Liner ring | N | |
111 | Mechanical seal | Silicon Carbide/Carbon/Viton | N | |
115-1 | O-Ring (Outer casing) | EPDM | 2 | |
115-2 | O-Ring (Intermediate casing) | EPDM | N+1 | |
117 | Flange gasket | EPDM | 2 | |
140 | Coupling | Brass (OT58) / Steel | 1 | |
162 | Motor bracket | Cast Iron (EN-GJL-200) | 1 | |
212 | Plug | 304 Stainless Steel | 1 | |
212-1 | Plug | 304 Stainless Steel | 2 | |
219 | Counter flange | Zinc Plated Steel | 2 | |
613 | Flange | Carbon Steel | 2 | |

N = Number of stages
# - Models with thrust bearings
* - Models with oval flange (N type)
+ - Models with round flange (F type)

Thrust Bearing Size

<table>
<thead>
<tr>
<th>Motor kW</th>
<th>2.2</th>
<th>3.0</th>
<th>4.0</th>
<th>5.5</th>
<th>7.5</th>
<th>11.0</th>
<th>15.0</th>
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</thead>
<tbody>
<tr>
<td>Model</td>
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</tbody>
</table>