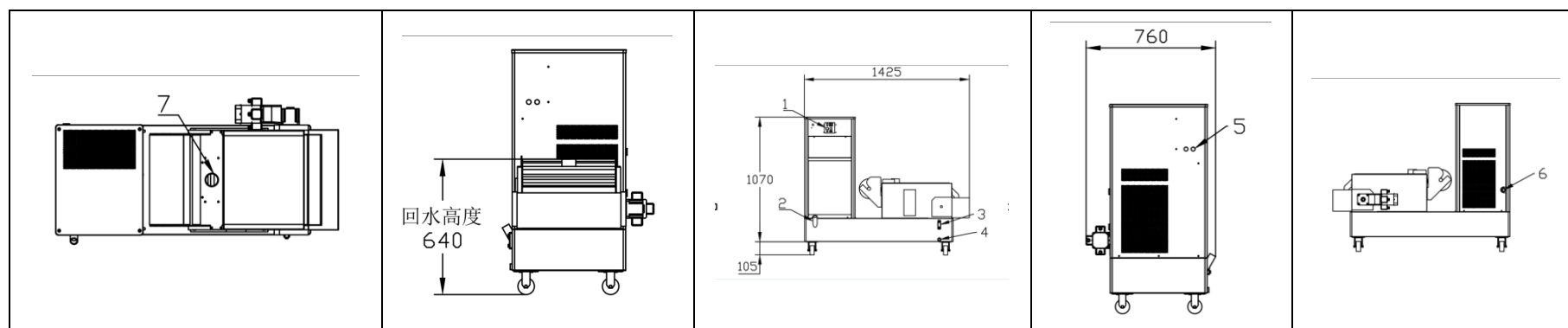


# Cutting Fluid Chiller / Industrial Immersion Chiller

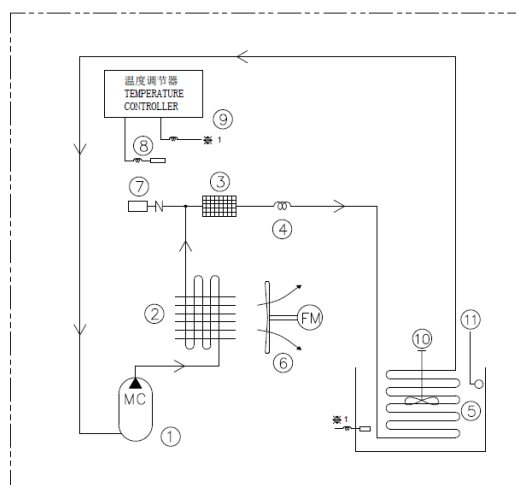


## Dimensional Drawings



|   |                    |
|---|--------------------|
| 1 | Operation panel    |
| 2 | Fluid filling port |
| 3 | Fluid level gauge  |
| 4 | Drain port         |
| 5 | Power cord port    |
| 6 | Outlet             |
| 7 | Inlet              |

## Process Chiller Working Principle



| NO | 名 称   | NAME                      |
|----|-------|---------------------------|
| 1  | 压缩机   | Compressor                |
| 2  | 冷凝器   | Condenser                 |
| 3  | 干燥器   | Dryer                     |
| 4  | 毛细管   | Capillary tube            |
| 5  | 蒸发器   | Evaporator                |
| 6  | 风机    | Fan                       |
| 7  | 压力开关  | Pressure Switch           |
| 8  | 室温传感器 | Room temperature sensor   |
| 9  | 液温传感器 | Liquid temperature sensor |
| 10 | 搅拌机   | Mixer                     |
| 11 | 液位开关  | Liquid-level Switch       |

|    |       |                           |
|----|-------|---------------------------|
| 1  | 压缩机   | Compressor                |
| 2  | 冷凝器   | Condenser                 |
| 3  | 干燥器   | Filter drier              |
| 4  | 毛细管   | Capillary tube            |
| 5  | 蒸发器   | Evaporator                |
| 6  | 风机    | Fan                       |
| 7  | 压力开关  | Pressure switch           |
| 8  | 室温感温棒 | Room temperature sensor   |
| 9  | 液温感温棒 | Liquid temperature sensor |
| 10 | 搅拌器   | Mixer                     |
| 11 | 液位开关  | Liquid-level switch       |

## Specifications

|                            |        |                                                                                                                                                       |        |        |        |        |         |         |
|----------------------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|---------|---------|
| Model                      |        | AOK-15                                                                                                                                                | AOK-25 | AOK-35 | AOK-50 | AOK-70 | AOK-100 | AOK-120 |
| Cooling Capacity           | W      | 1500                                                                                                                                                  | 2500   | 3500   | 5000   | 7000   | 10000   | 12000   |
|                            | Kcal/h | 1280                                                                                                                                                  | 2150   | 3000   | 4300   | 6000   | 8600    | 10500   |
| Power Supply               |        | Single Phase AC 220V 50Hz or Three Phase AC 220/380V 50Hz                                                                                             |        |        |        |        |         |         |
| Rated Power (kW)           |        | 0.72                                                                                                                                                  | 1.2    | 1.6    | 2.5    | 3      | 4.3     | 4.3     |
| Rated Current (A)          |        | 2                                                                                                                                                     | 3      | 4.3    | 5      | 6.5    | 8       | 8       |
| Oil Temperature Range (°C) |        | Constant temperature control: 15 °C to 50°C<br>Differential temperature control (ambient temperature compensation): +9 °C<br>Control accuracy: ±1.5°C |        |        |        |        |         |         |

|                                    |             |             |             |              |             |               |              |
|------------------------------------|-------------|-------------|-------------|--------------|-------------|---------------|--------------|
| Ambient Temperature (°C)           | 5-45°C      |             |             |              |             |               |              |
| Oil Viscosity (cSt)                | 5~68        |             |             |              |             |               |              |
| Noise Level                        | ≤62         |             |             |              | ≤68         |               |              |
| Protection Rating (dB)             | IP44        |             |             |              |             |               |              |
| Dimensions (with Oil Tank)<br>(mm) | 440×450×900 | 496×420×975 | 496×420×975 | 640×600×1100 | 750×550×130 | 780×750×14257 | 780×750×1425 |
| Weight (kg)                        | 70          | 80          | 100         | 110          | 130         | 160           | 180          |