

# SOLENOID VALVES FOR WATER

## Type WEV

**SAGINOMIYA**

### GENERAL DESCRIPTION

- Pilot operated, 2-way, normally closed valve.
- For water in refrigeration, cooling, air conditioning systems, and general industrial plant.
- Valves for non-corrosive brine are available. To order, specify catalog No. with "B"  
Example: WEV-1504GLW for water  
WEV-1504GLB for glycol, warm water
- Compact molded coil commonly fits all valve sizes.
- Operates in any position ... can be conveniently located in horizontal or vertical line with coil on top.



Type WEV-G



Type WEV-F

### TYPE NUMBER SELECTION (SPECIFICATIONS)

| Catalog No. |        |                              | Port Size<br>(mm) | Cv<br>Value | Connection      |                                 | O.P.D.          |              | Max.<br>Working<br>Pressure | Wt.<br>(kg) |
|-------------|--------|------------------------------|-------------------|-------------|-----------------|---------------------------------|-----------------|--------------|-----------------------------|-------------|
| Type        | Model  | Fluid                        |                   |             | Steel Tube O.D. | Style                           | Min.            | Max.         |                             |             |
| WEV-        | 1504GL | W<br>(Water)                 | 15                | 4.3         | 1/2"            | Rc                              | 0.015<br>{0.15} | 0.98<br>{10} | 0.98<br>{10}                | 0.6         |
|             | 2006GL |                              | 20                | 7.8         | 3/4"            |                                 |                 |              |                             | 0.8         |
|             | 2510GL |                              | 25                | 10.4        | 1"              |                                 |                 |              |                             | 1.1         |
|             | 3212GL |                              | 32                | 17.6        | 1-1/4"          |                                 |                 |              |                             | 1.6         |
|             | 4014GL |                              | 40                | 26          | 1-1/2"          |                                 |                 |              |                             | 2.4         |
|             | 5020GL |                              | 50                | 42          | 2"              |                                 |                 |              |                             | 3.6         |
|             | 1504FL | B<br>(glycol,<br>Warm Water) | 15                | 4.3         | 1/2"            | *<br><br>Flange<br>(Round Type) | 0.015<br>{0.15} | 0.98<br>{10} | 0.98<br>{10}                | 2.0         |
|             | 2006FL |                              | 20                | 7.8         | 3/4"            |                                 |                 |              |                             | 2.6         |
|             | 2510FL |                              | 25                | 10.4        | 1"              |                                 |                 |              |                             | 3.7         |
|             | 3212FL |                              | 32                | 17.6        | 1-1/4"          |                                 |                 |              |                             | 5.0         |
|             | 4014FL |                              | 40                | 26          | 1-1/2"          |                                 |                 |              |                             | 5.7         |
|             | 5020FL |                              | 50                | 42          | 2"              |                                 |                 |              |                             | 7.7         |
|             | 6524FL |                              | 65                | 65          | 2-1/2"          |                                 | 0.03<br>{0.3}   |              |                             | 12.8        |
|             | 8030FL |                              | 80                | 100         | 3"              |                                 |                 |              |                             | 16.5        |

\* Without companion flange (Weight without companion flange and bolts)

- O.P.D.: Operating Pressure Differential (by water pressure)
- Ambient temperature: -30 to 50°C, allowable fluid temperature: 0 to 60°C (Type W), -35 to 90°C (Type B)
- Apparent power: 16VA
- Use of a strainer 80 to 100 mesh at the valve inlet is recommended.
- Weight includes a coil
- Enclosure IP34 (WEV-W: Drip proof model)

### ELECTRICAL RATING OF SOLENOID COILS

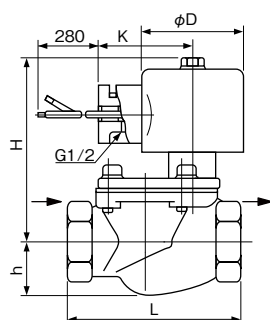
| Rated Voltage                                         |         | Tolerance (%) | Voltampere (VA) |        | Power Consumption (W) | Insulation Class        |
|-------------------------------------------------------|---------|---------------|-----------------|--------|-----------------------|-------------------------|
|                                                       |         |               | Running         | Inrush |                       |                         |
| 24V.AC, 100V.AC, 110V.AC<br>200V.AC, 220V.AC, 240V.AC | 50/60Hz | ±10           | 18/14           | 57/47  | 9/8                   | *<br><br>Class B Molded |
| 12V.DC, 24V.DC<br>48V.DC, 100V.DC                     | —       |               | —               | —      | 11                    |                         |

Specify voltage & frequency when order.

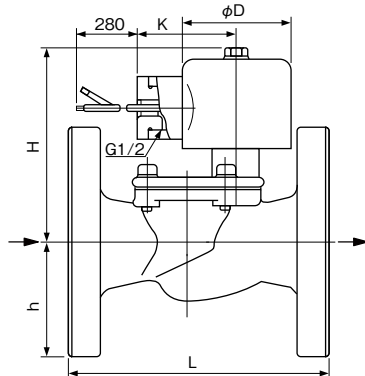
\* IEC compliance

### DIMENSIONS

Type WEV-G



Type WEV-F



Unit: mm

| Catalog No. |        | Unit: mm |     |    |    |    |
|-------------|--------|----------|-----|----|----|----|
|             |        | L        | H   | h  | φD | K  |
| WEV-        | 1504GL | 65       | 82  | 19 | 48 | 44 |
|             | 2006GL | 80       | 86  | 25 |    |    |
|             | 2510GL | 90       | 91  | 29 |    |    |
|             | 3212GL | 105      | 97  | 36 |    |    |
|             | 4014GL | 120      | 103 | 47 |    |    |
|             | 5020GL | 140      | 126 | 55 |    |    |
|             | 1504FL | 105      | 82  | 48 |    |    |
|             | 2006FL | 115      | 86  | 50 |    |    |
|             | 2510FL | 125      | 91  | 63 |    |    |
|             | 3212FL | 140      | 97  | 68 |    |    |
|             | 4014FL | 150      | 103 | 70 |    |    |
|             | 5020FL | 160      | 126 | 78 |    |    |
|             | 6524FL | 200      | 138 | 88 |    |    |
|             | 8030FL | 240      | 152 | 93 |    |    |