



## UM08M type check valves - 2 way

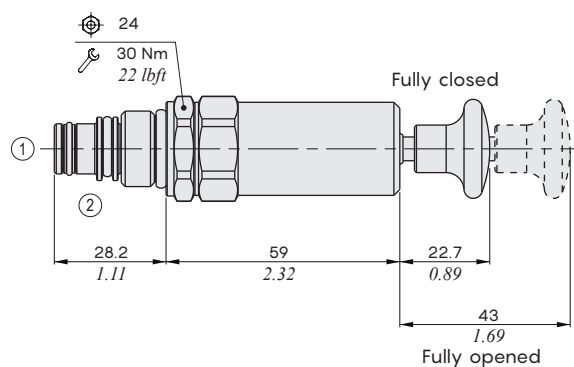
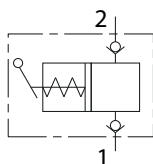
- Direct operation by knob
- Configuration with valve return in delivery position is available
- External zinc-plated and corrosion-proof components

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

### UM08M

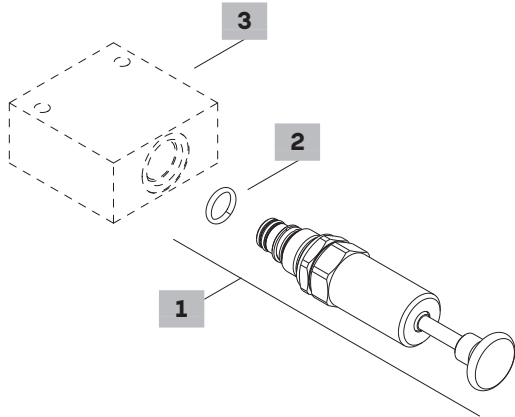
|  |  |  |
|--|--|--|
| Displacement                               | 1 in <sup>3</sup> /stroke  |  |
| Max. pressure                              | Port 1 = 50 bar (750 psi)<br>Port 2 = 210 bar (3050 psi)               |  |
| Oil leakage                                | at 200 bar (2900 psi)  | 0.25 cm <sup>3</sup> /min (0.015 in <sup>3</sup> /min)                   |
| Fluid                                      | mineral based or synthetic hydraulic fluid with lubricating properties |  |
| Viscosity                                  | 12-200 cSt   |  |
| Max level of contamination                 | 20/18/14 ISO4406   |  |
| Fluid temperature                          | with NBR seals+Polyurethane<br>with FPM seals                          | from -25°C (-13°F) to 90°C (194°F)<br>from -20°C (-4°F) to 110°C (230°F) |
| Environmental temp. for working conditions | from -20°C (-4°F) to 60°C (140°F)                                      |  |
| Cavity                                     | SAE 08/2   |  |
| Weight                                     | 0.212 kg (0.47 lb)   |  |

NOTE - For different conditions, please contact Walvoil Sales Dpt.



Ordering codes and description composition

UM08M/1A1B



| 1 Cartridges    |             |                |
|-----------------|-------------|----------------|
| TYPE            | CODE        | DESCRIPTION    |
| SAE cavity 08/2 |             |                |
| UM08M/1A1B      | 0UM08002002 | Valve assembly |

| 2 Seals |   |
|---------|---|
| TYPE    | DESCRIPTION   |
| B       | NBR (Buna)+Polyurethane o-ring seals, std configuration |
| V       | FPM (Viton) o-ring seals, contact Sales Dept            |

| 3 Valve body   |            |  |
|--|------------|--|
| TYPE   | CODE       | DESCRIPTION  |
| SAE08/2-G 1/4  | 3CC0820B11 | Aluminium body for cavity 08 valve, G 1/4 std thread |
| Note: aluminium body can stand up to 210 bar (3050 psi)<br>For steel bodies or different threading see from page 208 |            |  |

Rating diagrams

Output Pressure vs. Input force

