

# 01 Series Modular Valves

## Type of Modular Valve

| Class                   | Name and Model Numbers                                                                                                     | Graphic Symbols | Page | Class                             | Name and Model Numbers                                                   | Graphic Symbols | Page |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------|------|-----------------------------------|--------------------------------------------------------------------------|-----------------|------|
| Pressure Control Valves | Solenoid Operated Directional Valve<br>(S-) DSG-01-***-70<br>E-DSG-01-***-D*-70<br>T-DSG-01-***-D24*-70<br>G-DSG-01-***-51 |                 | ★    | Flow Control Valves               | Throttle Valves<br>(for "P-Line")<br>MSP-01-50                           |                 | F-29 |
|                         | Relief Valves<br>(for "P-Line")<br>MBP-01-***-70                                                                           |                 | F-12 |                                   | Throttle Valves<br>(for "T-Line")<br>MST-01-50                           |                 | F-29 |
|                         | Relief Valves<br>(for "A-Line")<br>MBA-01-***-70                                                                           |                 | F-12 |                                   | Check and Throttle Valves<br>(for "P-Line")<br>MSCP-01-30                |                 | F-30 |
|                         | Relief Valves<br>(for "B-Line")<br>MBB-01-***-70                                                                           |                 | F-12 |                                   | Throttle and Check Valves<br>(for "A-Line", Meter-out)<br>MSA-01-X-70    |                 | F-31 |
|                         | Reducing Valves<br>(for "P-Line")<br>MRP-01-***-70                                                                         |                 | F-14 |                                   | Throttle and Check Valves<br>(for "A-Line", Meter-in)<br>MSA-01-Y-70     |                 | F-31 |
|                         | Reducing Valves<br>(for "A-Line")<br>MRA-01-***-70                                                                         |                 | F-14 |                                   | Throttle and Check Valves<br>(for "B-Line", Meter-out)<br>MSB-01-X-70    |                 | F-31 |
|                         | Reducing Valves<br>(for "B-Line")<br>MRB-01-***-70                                                                         |                 | F-14 |                                   | Throttle and Check Valves<br>(for "B-Line", Meter-in)<br>MSB-01-Y-70     |                 | F-31 |
|                         | Two Pressure Reducing Valves<br>(for "P-Line")<br>MRDP-01-***-10                                                           |                 | F-16 |                                   | Throttle and Check Valves<br>(for "A&B-Lines", Meter-out)<br>MSW-01-X-70 |                 | F-31 |
|                         | Brake Valves<br>MBR-01-***-30                                                                                              |                 | F-18 |                                   | Throttle and Check Valves<br>(for "A&B-Lines", Meter-in)<br>MSW-01-Y-70  |                 | F-31 |
|                         | Sequence Valves<br>(for "P-Line")<br>MHP-01-***-70                                                                         |                 | F-19 | Directional Control Valves        | Check Valves<br>(for "P-Line")<br>MCP-01-***-70                          |                 | F-33 |
| Flow Control Valves     | Counterbalance Valves<br>(for "A-Line")<br>MHA-01-***-70                                                                   |                 | F-19 |                                   | Check Valves<br>(for "A-Line")<br>MCA-01-***-70                          |                 | F-33 |
|                         | Counterbalance Valves<br>(for "B-Line")<br>MHB-01-***-70                                                                   |                 | F-19 |                                   | Check Valves<br>(for "B-Line")<br>MCB-01-***-70                          |                 | F-33 |
|                         | Pressure Switch Valves<br>(for "P-Line")<br>MJP-01-***-10                                                                  |                 | F-22 |                                   | Check Valves<br>(for "T-Line")<br>MCT-01-***-70                          |                 | F-33 |
|                         | Pressure Switch Valves<br>(for "A-Line")<br>MJA-01-***-10                                                                  |                 | F-22 |                                   | Check Valves<br>(for "A&B-Line")<br>MCW-01-***-70                        |                 | F-33 |
|                         | Pressure Switch Valves<br>(for "B-Line")<br>MJB-01-***-10                                                                  |                 | F-22 |                                   | Anti-Cavitation Valves<br>MAC-01-30                                      |                 | F-35 |
|                         | Pressure Switch Valves<br>(for "A&B-Line")<br>MJW-01-J*-10                                                                 |                 | F-22 |                                   | Pilot Operated Check Valves<br>(for "A-Line")<br>MPA-01-***-70           |                 | F-36 |
|                         | Flow Control Valves<br>(for "P-Line")<br>MFP-01-10                                                                         |                 | F-25 |                                   | Pilot Operated Check Valves<br>(for "B-Line")<br>MPB-01-***-70           |                 | F-36 |
|                         | Flow Control and Check Valves<br>(for "A-Line", Meter-out)<br>MFA-01-X-10                                                  |                 | F-25 |                                   | Pilot Operated Check Valves<br>(for "A&B-Lines")<br>MPW-01-***-70        |                 | F-36 |
|                         | Flow Control and Check Valves<br>(for "A-Line", Meter-in)<br>MFA-01-Y-10                                                   |                 | F-25 | Modular Plates and Mounting Bolts | End Plates<br>(Blocking Plates)<br>MDC-01-A-30                           |                 | F-38 |
|                         | Flow Control and Check Valves<br>(for "B-Line", Meter-out)<br>MFB-01-X-10                                                  |                 | F-25 |                                   | End Plates<br>(Bypass plates)<br>MDC-01-B-30                             |                 | F-38 |
|                         | Flow Control and Check Valves<br>(for "B-Line", Meter-in)<br>MFB-01-Y-10                                                   |                 | F-25 |                                   | Connecting Plates<br>(for "P&A-Lines")<br>MDS-01-PA-30                   |                 | F-38 |
|                         | Flow Control and Check Valves<br>(for "A&B-Lines", Meter-out)<br>MFW-01-X-10                                               |                 | F-25 |                                   | Connecting Plates<br>(for "P&B-Lines")<br>MDS-01-PB-30                   |                 | F-38 |
|                         | Flow Control and Check Valves<br>(for "A&B-Lines", Meter-in)<br>MFW-01-Y-10                                                |                 | F-25 |                                   | Connecting Plates<br>(for "A&T-Lines")<br>MDS-01-AT-30                   |                 | F-38 |
|                         | Temperature Compensated Throttle and<br>Check Valves (for "A-Line", Throttle-out)<br>MSTA-01-X-10                          |                 | F-27 |                                   | Base Plates<br>MMC-01-***-40                                             |                 | F-39 |
|                         | Temperature Compensated Throttle and<br>Check Valves (for "B-Line", Meter-out)<br>MSTB-01-X-10                             |                 | F-27 |                                   | Bolt Kits<br>MBK-01-***-70                                               |                 | F-41 |
|                         | Temperature Compensated Throttle and<br>Check Valves (for "A&B-Lines", Meter-out)<br>MSTW-01-X-10                          |                 | F-27 |                                   |                                                                          |                 |      |

★ Please refer to the catalog page of "E: Directional Control Valves"

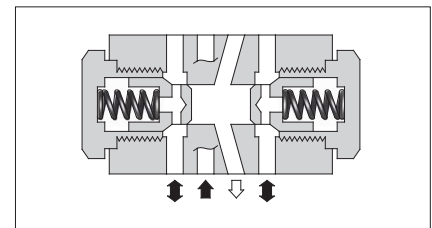
# Anti-Cavitation Modular Valves

## Specifications

| Model Numbers | Max. Operating Pressure<br>MPa | Max. Flow<br>L/min |
|---------------|--------------------------------|--------------------|
| MAC-01-30     | 31.5                           | 35                 |

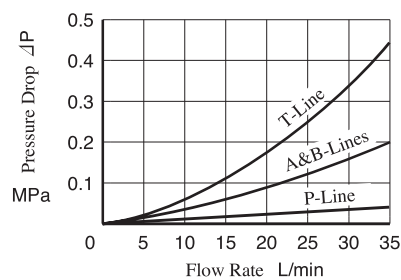
## Model Number Designation

| MAC                               | -01           | -30              |
|-----------------------------------|---------------|------------------|
| Series Number                     | Valve<br>Size | Design<br>Number |
| <b>MAC:</b> Anti-Cavitation Valve | <b>01</b>     | <b>30</b>        |

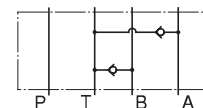


## Pressure Drop

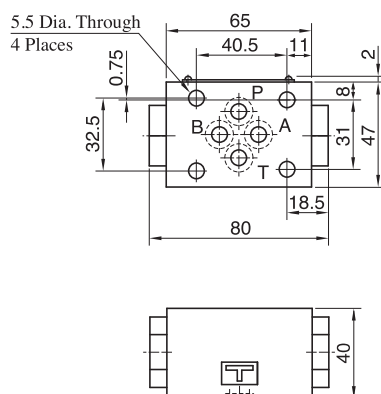
Hydraulic Fluid: Viscosity 35 mm<sup>2</sup>/s, Specific Gravity 0.850



## Graphic Symbol

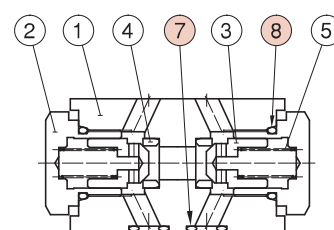


## MAC-01



Approx. Mass.....0.8 kg

## List of Seals MAC-01



| Item | Name of Parts | Part Numbers    | Qty. |
|------|---------------|-----------------|------|
| 7    | O-Ring        | OR NBR-90 P9-N  | 4    |
| 8    | O-Ring        | OR NBR-90 P18-N | 2    |