## HOW TO ORDER

### BODY/BASE OPTIONS

**SERIES**

- **FUNCTION**
  - 1: Single solenoid
  - 2: Double solenoid
  - 3: 3 position closed center
  - 4: 3 position open center
  - 5: 3 position pressure center

- **BODY TYPE**
  - 1: Plug-in
  - 2: Non plug-in
  - 4-5: (dual pressure options)

**REVOLUTION LEVEL**

- **PORTING OPTIONS**
  - 0: Valve only - no base
  - 1: Side ports
  - 4: Bottom ports
  - 7: Side & bottom ports

- **PORT SIZE**
  - 0: Valve only - no base
  - 1: 1/4" base
  - 2: 3/8" base
  - 3: 1/2" base
  - 5: 3/8" manifold
  - 6: 1/2" manifold

- **PILOT AIR**
  - 0: Valve only - no base
  - Solenoid Plug-In NPT
    - 1: Internal pilot
    - 2: External pilot
  - Solenoid Non Plug-In
    - 3: Internal pilot
    - 4: External pilot
    - 5-8: For BSPP respectively

**†DUAL PRESSURE BODY OPTIONS**

- Dual pressure body option (Plug-in) for use with regulators 63X4D. The fourth digit of the body is 4.
- Dual pressure body option (Non Plug-in) for use with regulators 63X5D. The fourth digit of the body is 5.

### PILOT VALVE OPTIONS

**XX - XXYZZ**

- **XX**
  - PILOT EXHAUST
    - FM: Muffled exhaust
    - FP: Piped exhaust

- **XX**
  - DC VOLTAGE
    - A5: 12 VDC (0.6 W)
    - A6: 24 VDC (0.6 W)

- **Y**
  - MANUAL OPERATOR
    - 0: No operator
    - 1: Non-locking Recessed (std.)
    - 2: Locking Recessed
    - 3: Non-locking Extended
    - 4: Locking Extended

- **ZZ**
  - ELECTRICAL CONN.
    - DA: Plug-in (standard)
    - Non Plug-In
      - BA: Grommet
      - CA: Conduit 1/2" NPS
      - JB: Rectangular Plug-in
      - JM: Rectangular Male only
      - JA: Square Plug-in
      - JJ: Square Male only

### MODIFICATIONS

- MOD 0210: Bottom inlet port in addition to side inlet port (manifolds only)
- TO ORDER: 6311D-511-FM-AS1DA MOD 0210
  - Manifold Accessories: Inlet Isolators #32839, Exhaust Isolator #28309.

### NOTE:

1. The valve less base is always the same for internal or external pilot. These options are effected in the base or manifold.
2. When ordering an external pilot connection for manifold bases, a common external pilot is standard. One connection only is required for all the valves in the manifold whether single or double solenoid.

**CONSULT “PRECAUTIONS” PAGE 364 BEFORE USE, INSTALLATION OR SERVICE OF MAC VALVES**