

# BERMAD Irrigation



High Performance Plastic Hydraulic/Electric Control Valves

100 Series hYflow

**IR**    **3"**    **I20**    **55**    **Y**    **P**    **BP**    **3W**    **4AC**    **ZX**

| Size                         |       |
|------------------------------|-------|
| 2"                           | DN50  |
| 2 1/2" (male thread only)    | DN65  |
| 3"                           | DN80  |
| 3" L                         | DN80L |
| 4" (flange only)             | DN100 |
| 6" (flanged or grooved only) | DN150 |

| Primary Features                     | Code           |
|--------------------------------------|----------------|
| Basic Valve                          | 105            |
| Basic Valve                          | 105-N          |
| Internal Feed                        | (2" & 3" only) |
| Solenoid Controlled Valve            | 110            |
| Solenoid Controlled Valve            | 110-N          |
| Internal Feed                        | (2" & 3" only) |
| Pressure Reducing Valve              | 120            |
| Pressure Reducing & Sustaining Valve | 123            |
| Pressure Sustaining Valve            | 130            |
| Quick Pressure Relief Valve          | 13Q            |
| Level Control Valve                  | 150            |

Other primary features available on request.

| Additional Features                       | Code |
|---|------|
| No Additional Features                    | 00   |
| Electric Valve, without Solenoid          | 05   |
| Hydraulic Control                         | 50   |
| Normally Closed with Hydraulic Control    | 54   |
| Solenoid Controlled                       | 55   |
| Modulating Horizontal Float               | 60   |
| Internal Feed & Bleed with Electric Cover | N1   |
| Low Pressure PRV                          | LP   |

| Pattern         | Code |
|-----------------|------|
| Oblique         | Y    |
| Angle (3" only) | A    |
| Tee (3" only)   | T    |

| Construction Materials     | Code |
|----------------------------|------|
| Black Nylon - Glass Filled | P    |

| End Connections                                | Code |
|--|------|
| Threaded BSP (Female)                          | BP   |
| Threaded NPT (Female)                          | NP   |
| BSP-F, (Male thread 2 1/2" only)               | BS   |
| Plastic Flanges*                               | FF   |
| Metal Flanges* ("Corona")                      | CC   |
| Grooved (6" only)                              | VI   |
| Inlet BSP x Outlet(s) Horn (3" Angle/Tee only) | KB   |
| Inlet NPT x Outlet(s) Horn (3" Angle/Tee only) | KN   |

\* Comply to: ISO PN10, BS-D, ANSI 125/150, JIS K-10

| Control Type | Code  |
|--------------|-------|
| 2-Way        | 2W    |
| 3-Way        | 3W    |
| 2/3-Way      | 2W/3W |

| Voltage-Main Valve Position (When Solenoid De-Energized) | Code |
|--|------|
| 24VAC/50HZ - Normally Closed                             | 4AC  |
| 24VAC/50HZ - Normally Open                               | 4AO  |
| 24VDC - Normally Closed                                  | 4DC  |
| 24VDC - Normally Open                                    | 4DO  |
| 12VDC - Normally Closed                                  | 1DC  |
| 12VDC - Normally Open                                    | 1DO  |
| 12VDC - Latch Solenoid                                   | 1DS  |
| 9VDC - Latch Solenoid                                    | 9DS  |

Other electrical ratings available on request.

| Additional Attributes Unlimited Selection | Code         |
|---|--------------|
| Servo                                     | b            |
| Differential Pressure Duct                | D            |
| Flow Stem                                 | (2"-3" only) |
| Flow Stem with Position Indicator         |              |
| 3-way Control Loop                        | MP           |
| Manual Selector                           | X            |
| Manual Selector                           | Z            |
| Low Preset Pressure (below 2 bar)         | 2            |
| Plastic Pressure Test Point               | 5            |

Other additional attributes are optional. Please consult our sales department for further information.

