

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 Internal Feed | 105-N (2" & 3" only) |
| Solenoid Controlled Valve | 110 |
| Solenoid Controlled Valve Internal Feed | 110-N (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 |
| Low Preset Pressure (below 2 bar) | Z |
| Plastic Pressure Test Point | 2 |
| | 5 |

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

