

BERMAD Irrigation



Hydrometers & Water Meters with Magnetic Drive

900-M Series

IR		4"		920		MO		55		G		C		I6																																																															
<table border="1"> <thead> <tr> <th>Sector</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Irrigation</td> <td>IR</td> </tr> <tr> <td>IR Aggressive Water</td> <td>IA</td> </tr> </tbody> </table>		Sector	Code	Irrigation	IR	IR Aggressive Water	IA					<table border="1"> <thead> <tr> <th>Control Categories</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Hydrometer with Magnetic Drive Command</td> <td>MO</td> </tr> </tbody> </table>		Control Categories	Code	Hydrometer with Magnetic Drive Command	MO							<table border="1"> <thead> <tr> <th>End Connections</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>ISO-16</td><td>16</td></tr> <tr><td>ISO-10</td><td>10</td></tr> <tr><td>IS 14 (ISO 10/4 Holes)</td><td>14</td></tr> <tr><td>ANSI-125</td><td>A1</td></tr> <tr><td>ANSI-150</td><td>A5</td></tr> <tr><td>BST-D</td><td>BD</td></tr> <tr><td>JIS-7.5</td><td>J7</td></tr> <tr><td>JIS-10</td><td>J1</td></tr> <tr><td>JIS-16</td><td>J6</td></tr> <tr><td>BSP (1 1/2", 2" & 3"R only)</td><td>BP</td></tr> <tr><td>BSP-U (Ext. Thred.) (1 1/2" & 2" only)</td><td>BS</td></tr> <tr><td>NPT (1 1/2", 2" & 3"R only)</td><td>NP</td></tr> <tr><td>Hydrant 2 1/2" x BSP</td><td>HP</td></tr> <tr><td>ABNT-16</td><td>B6</td></tr> <tr><td>ABNT-10</td><td>B1</td></tr> </tbody> </table>		End Connections	Code	ISO-16	16	ISO-10	10	IS 14 (ISO 10/4 Holes)	14	ANSI-125	A1	ANSI-150	A5	BST-D	BD	JIS-7.5	J7	JIS-10	J1	JIS-16	J6	BSP (1 1/2", 2" & 3"R only)	BP	BSP-U (Ext. Thred.) (1 1/2" & 2" only)	BS	NPT (1 1/2", 2" & 3"R only)	NP	Hydrant 2 1/2" x BSP	HP	ABNT-16	B6	ABNT-10	B1																				
Sector	Code																																																																												
Irrigation	IR																																																																												
IR Aggressive Water	IA																																																																												
Control Categories	Code																																																																												
Hydrometer with Magnetic Drive Command	MO																																																																												
End Connections	Code																																																																												
ISO-16	16																																																																												
ISO-10	10																																																																												
IS 14 (ISO 10/4 Holes)	14																																																																												
ANSI-125	A1																																																																												
ANSI-150	A5																																																																												
BST-D	BD																																																																												
JIS-7.5	J7																																																																												
JIS-10	J1																																																																												
JIS-16	J6																																																																												
BSP (1 1/2", 2" & 3"R only)	BP																																																																												
BSP-U (Ext. Thred.) (1 1/2" & 2" only)	BS																																																																												
NPT (1 1/2", 2" & 3"R only)	NP																																																																												
Hydrant 2 1/2" x BSP	HP																																																																												
ABNT-16	B6																																																																												
ABNT-10	B1																																																																												
<table border="1"> <thead> <tr> <th>Size</th> <th></th> </tr> </thead> <tbody> <tr><td>1 1/2"</td><td>DN40</td></tr> <tr><td>2"</td><td>DN50</td></tr> <tr><td>2 1/2" *</td><td>DN65 *</td></tr> <tr><td>3"R **</td><td>DN80R **</td></tr> <tr><td>3"</td><td>DN80</td></tr> <tr><td>4"</td><td>DN100</td></tr> <tr><td>6"</td><td>DN150</td></tr> <tr><td>8"</td><td>DN200</td></tr> <tr><td>10"</td><td>DN250</td></tr> </tbody> </table>		Size		1 1/2"	DN40	2"	DN50	2 1/2" *	DN65 *	3"R **	DN80R **	3"	DN80	4"	DN100	6"	DN150	8"	DN200	10"	DN250					<table border="1"> <thead> <tr> <th>Additional Features</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>No Additional Feature</td><td>00</td></tr> <tr><td>Closing Speed-Control</td><td>01</td></tr> <tr><td>Closing and Opening Speed-Control</td><td>03</td></tr> <tr><td>Hydraulic Override</td><td>09</td></tr> <tr><td>Electronic Control</td><td>18</td></tr> <tr><td>Check Feature</td><td>20</td></tr> <tr><td>Solenoid Controlled & Check Feature</td><td>25</td></tr> <tr><td>Two-Stage Opening</td><td>30</td></tr> <tr><td>Electrically Selected</td><td>45</td></tr> <tr><td>Multi-Level Setting</td><td>48</td></tr> <tr><td>Downstream Over Pressure Guard</td><td>49</td></tr> <tr><td>Closing Surge Prevention</td><td>50</td></tr> <tr><td>Hydraulic Control</td><td>54</td></tr> <tr><td>Normally Closed with Hydraulic Control</td><td>55</td></tr> <tr><td>Solenoid Controlled</td><td>59</td></tr> <tr><td>Electric Override</td><td>60</td></tr> <tr><td>Modulating Horizontal Float</td><td>65</td></tr> <tr><td>Bi-Level Electric Float</td><td>66</td></tr> <tr><td>Bi-Level Vertical Float</td><td>67</td></tr> <tr><td>Modulating Vertical Float</td><td>0A</td></tr> <tr><td>Mechanical Float Type A</td><td>0F</td></tr> <tr><td>Flow Control By Flow Limiter</td><td></td></tr> </tbody> </table>		Additional Features	Code	No Additional Feature	00	Closing Speed-Control	01	Closing and Opening Speed-Control	03	Hydraulic Override	09	Electronic Control	18	Check Feature	20	Solenoid Controlled & Check Feature	25	Two-Stage Opening	30	Electrically Selected	45	Multi-Level Setting	48	Downstream Over Pressure Guard	49	Closing Surge Prevention	50	Hydraulic Control	54	Normally Closed with Hydraulic Control	55	Solenoid Controlled	59	Electric Override	60	Modulating Horizontal Float	65	Bi-Level Electric Float	66	Bi-Level Vertical Float	67	Modulating Vertical Float	0A	Mechanical Float Type A	0F	Flow Control By Flow Limiter					
Size																																																																													
1 1/2"	DN40																																																																												
2"	DN50																																																																												
2 1/2" *	DN65 *																																																																												
3"R **	DN80R **																																																																												
3"	DN80																																																																												
4"	DN100																																																																												
6"	DN150																																																																												
8"	DN200																																																																												
10"	DN250																																																																												
Additional Features	Code																																																																												
No Additional Feature	00																																																																												
Closing Speed-Control	01																																																																												
Closing and Opening Speed-Control	03																																																																												
Hydraulic Override	09																																																																												
Electronic Control	18																																																																												
Check Feature	20																																																																												
Solenoid Controlled & Check Feature	25																																																																												
Two-Stage Opening	30																																																																												
Electrically Selected	45																																																																												
Multi-Level Setting	48																																																																												
Downstream Over Pressure Guard	49																																																																												
Closing Surge Prevention	50																																																																												
Hydraulic Control	54																																																																												
Normally Closed with Hydraulic Control	55																																																																												
Solenoid Controlled	59																																																																												
Electric Override	60																																																																												
Modulating Horizontal Float	65																																																																												
Bi-Level Electric Float	66																																																																												
Bi-Level Vertical Float	67																																																																												
Modulating Vertical Float	0A																																																																												
Mechanical Float Type A	0F																																																																												
Flow Control By Flow Limiter																																																																													
<table border="1"> <thead> <tr> <th>Primary Features</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>Basic</td><td>900</td></tr> <tr><td>Basic Low Pressure</td><td>90L</td></tr> <tr><td>Water Meter</td><td>901</td></tr> <tr><td>Basic with Flow Limiter</td><td>90F</td></tr> <tr><td>Solenoid Controlled Valve</td><td>910</td></tr> <tr><td>Electronic Control Valve</td><td>918</td></tr> <tr><td>Pressure Reducing with Flow Limiter</td><td>92F</td></tr> <tr><td>Pressure Reducing Valve</td><td>920</td></tr> <tr><td>Pressure Reducing & Sustaining Valve</td><td>923</td></tr> <tr><td>Flow Control Valve, Constant Downstream Pressure</td><td>927</td></tr> <tr><td>Pressure Sustaining Valve</td><td>930</td></tr> <tr><td>Pressure Sustaining with Flow Limiter</td><td>93F</td></tr> <tr><td>Level Control Valve</td><td>950</td></tr> <tr><td>Level Control with Flow Limiter</td><td>95F</td></tr> <tr><td>Level Control - Low Pressure</td><td>95L</td></tr> <tr><td>Level Control & Pressure</td><td>953</td></tr> <tr><td>Sustaining Valve</td><td></td></tr> <tr><td>Level & Flow Control</td><td>957</td></tr> <tr><td>Flow Control Valve</td><td>970</td></tr> <tr><td>Flow Control & Pressure Reducing Control Valve</td><td>972</td></tr> <tr><td>Flow Control & Pressure Sustaining Control Valve</td><td>973</td></tr> <tr><td>Flow Control, Pressure Reducing & Sustaining Valve</td><td>975</td></tr> </tbody> </table>		Primary Features	Code	Basic	900	Basic Low Pressure	90L	Water Meter	901	Basic with Flow Limiter	90F	Solenoid Controlled Valve	910	Electronic Control Valve	918	Pressure Reducing with Flow Limiter	92F	Pressure Reducing Valve	920	Pressure Reducing & Sustaining Valve	923	Flow Control Valve, Constant Downstream Pressure	927	Pressure Sustaining Valve	930	Pressure Sustaining with Flow Limiter	93F	Level Control Valve	950	Level Control with Flow Limiter	95F	Level Control - Low Pressure	95L	Level Control & Pressure	953	Sustaining Valve		Level & Flow Control	957	Flow Control Valve	970	Flow Control & Pressure Reducing Control Valve	972	Flow Control & Pressure Sustaining Control Valve	973	Flow Control, Pressure Reducing & Sustaining Valve	975					<table border="1"> <thead> <tr> <th>Pattern</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>Globe</td><td>G</td></tr> <tr><td>Angle (2", 3", 4", 6" & 8")</td><td>A</td></tr> <tr><td>Hydrant-Angle 120° (2 1/2" & 4" only)</td><td>H</td></tr> </tbody> </table>		Pattern	Code	Globe	G	Angle (2", 3", 4", 6" & 8")	A	Hydrant-Angle 120° (2 1/2" & 4" only)	H																
Primary Features	Code																																																																												
Basic	900																																																																												
Basic Low Pressure	90L																																																																												
Water Meter	901																																																																												
Basic with Flow Limiter	90F																																																																												
Solenoid Controlled Valve	910																																																																												
Electronic Control Valve	918																																																																												
Pressure Reducing with Flow Limiter	92F																																																																												
Pressure Reducing Valve	920																																																																												
Pressure Reducing & Sustaining Valve	923																																																																												
Flow Control Valve, Constant Downstream Pressure	927																																																																												
Pressure Sustaining Valve	930																																																																												
Pressure Sustaining with Flow Limiter	93F																																																																												
Level Control Valve	950																																																																												
Level Control with Flow Limiter	95F																																																																												
Level Control - Low Pressure	95L																																																																												
Level Control & Pressure	953																																																																												
Sustaining Valve																																																																													
Level & Flow Control	957																																																																												
Flow Control Valve	970																																																																												
Flow Control & Pressure Reducing Control Valve	972																																																																												
Flow Control & Pressure Sustaining Control Valve	973																																																																												
Flow Control, Pressure Reducing & Sustaining Valve	975																																																																												
Pattern	Code																																																																												
Globe	G																																																																												
Angle (2", 3", 4", 6" & 8")	A																																																																												
Hydrant-Angle 120° (2 1/2" & 4" only)	H																																																																												
						<table border="1"> <thead> <tr> <th>Construction Materials</th> <th>Code</th> </tr> </thead> <tbody> <tr><td>Cast Iron (1 1/2" & 2" only)</td><td>I</td></tr> <tr><td>Ductile Iron</td><td>C</td></tr> </tbody> </table>		Construction Materials	Code	Cast Iron (1 1/2" & 2" only)	I	Ductile Iron	C																																																																
Construction Materials	Code																																																																												
Cast Iron (1 1/2" & 2" only)	I																																																																												
Ductile Iron	C																																																																												

Other end connections available on request.

Other additional features available on request.

Other primary features available on request.

For Control Accessories: See pages 18-20
01.2006

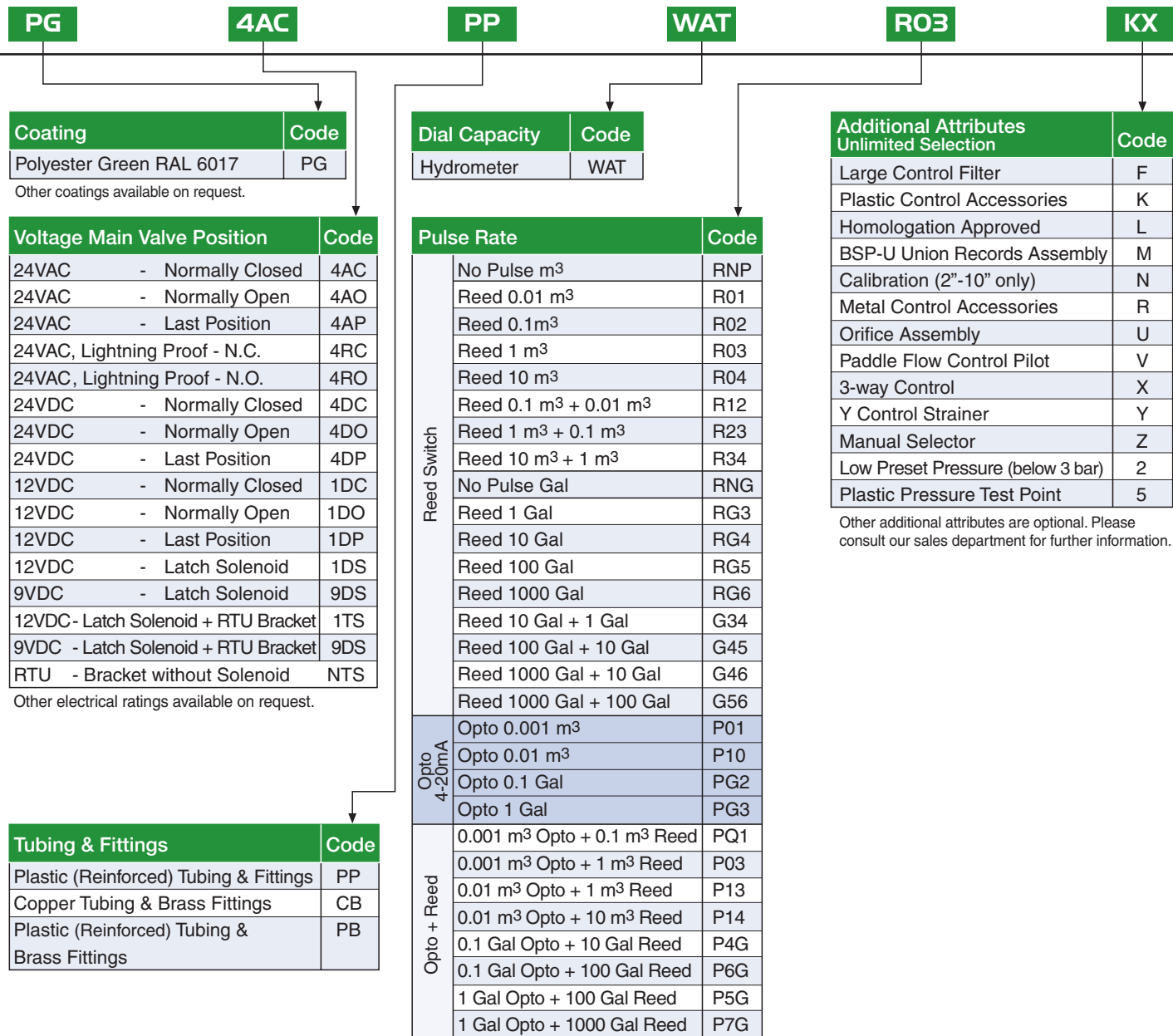




BERMAD Irrigation

Hydrometers & Water Meters with Magnetic Drive

900-M Series



Hydrometer Pulse Rate

Size \ One pulse per	1 liter 0.1 Gal	10 liter 1 Gal	100 liter 10 Gal	1 m ³ 100 Gal	10 m ³ 1000 Gal
1 1/2", 2", 2 1/2", 3"R, 3" & 4"	■	▲	▲	▲	
6", 8" & 10"		■	▲	▲	▲

- ▲ Reed-switch
- Opto-Electric

Gal = U.S. Gallon

Note: Pulse combinations are available according to "Pulse Rate Table".

