

**WATER METER SIZING CALCULATION SHEET
 FOR NON-FIRE SERVICE WATER METERS**

Calculation continued

Step 3 – Apply Pressure Adjustment Factor

_____ kPa (_____ Psi) Pressure Factor From Table 4.1 = _____ (C)
 Customer Adjusted Peak Demand (B X C) = _____ usgpm (D)

Step 4 – Add Underground Irrigation Demand

<u>Underground Sprinklers</u>			<u>Sections (1 section = 100 ft²)</u>		
Spray Systems	1.16	x	_____	=	_____ usgpm (E)
Rotary Systems	0.4	x	_____	=	_____ usgpm (F)
Total Irrigation Flow (E + F)				=	_____ usgpm (G)

Step 5 – Calculate Total Peak Demand

Total Peak Demand (D + G) = _____ usgpm (H)

Step 6 – Size and Select Water Meter (Refer to 3.1.2 of the Manual)

Meter Selection

Water Meter Make: _____
 Water Meter Model: _____
 Water Meter Size (H < 90% of Water Meter Rated Peak Instantaneous Flow) = _____ mm (I)
 Water Meter Size (maximum allowable pressure drop of 48 kPa (7 Psi)) = _____ mm (J)

 Meter Size Calculated (greater of I or J) = _____ mm
 Indoor or Outdoor Installation = _____

 Water Service Connection Size (for information) = _____ mm

Water Meter Sizing Certification

Designer: _____
 Professional Engineer or Licensed Plumber (Print) (Signature)

Company: _____

Phone Number: (____) _____

Email: _____

Comments:

Seal:

