



| METER SIZE | | MINIMUM FLOOR AREA REQUIRED | | | | | |
|------------|-----|-----------------------------|--------|--------------|--------|-------|------------|
| INCHES | mm | LENGTH | WIDTH | AREA | LENGTH | WIDTH | AREA |
| 2" | 50 | 5ft. | 4.5ft. | 22.5 sq. ft. | 1.5m | 1.4m | 2.1 sq. m. |
| 3" | 75 | 7ft. | 4.5ft. | 31.5 sq. ft. | 2.1m | 1.4m | 2.9 sq. m. |
| 4" | 100 | 7ft. | 4.5ft. | 31.5 sq. ft. | 2.1m | 1.4m | 2.9 sq. m. |
| 6" | 150 | 8ft. | 4.5ft. | 36.0 sq. ft. | 2.4m | 1.4m | 3.4 sq. m. |

| METER SIZE (DOES NOT INCLUDE FLANGES) | A | |
|--|-----------------|-----------------|
| | METER LENGTH | STRAINER LENGTH |
| 2" (50mm) POSITIVE DISPLACEMENT | 17" (432mm) | N/A |
| 2" (50mm) COMPOUND | 15 1/4" (387mm) | 7" (178mm) |
| 3" (75mm) COMPOUND | 17" (432mm) | 6" (152mm) |
| 4" (100mm) COMPOUND | 20" (508mm) | 7 1/2" (178mm) |
| 6" (150mm) COMPOUND | 24" (610mm) | 9" (229mm) |

| SIZE | | B | | | | C | | D | | E | | F | | | | G | |
|--------|-----|---------|-----|---------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----|------|
| | | MINIMUM | | MAXIMUM | | MINIMUM | MINIMUM | MINIMUM | MINIMUM | MINIMUM | MAXIMUM | MINIMUM | MAXIMUM | MINIMUM | MAXIMUM | | |
| INCHES | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm |
| 2" | 50 | 15 | 375 | 18 | 450 | 36 | 900 | 18 | 450 | 48 | 1200 | 18 | 450 | 24 | 610 | 48 | 1200 |
| 3" | 75 | 15 | 375 | 18 | 450 | 36 | 900 | 18 | 450 | 54 | 1350 | 18 | 450 | 24 | 610 | 48 | 1200 |
| 4" | 100 | 15 | 375 | 18 | 450 | 36 | 900 | 18 | 450 | 60 | 1525 | 18 | 450 | 24 | 610 | 48 | 1200 |
| 6" | 150 | 18 | 450 | 18 | 450 | 36 | 900 | 18 | 450 | 66 | 1675 | 18 | 450 | 24 | 610 | 48 | 1200 |

NOTE: TO BE USED WITH DETAILS ON DWG. NO. WM007B



| REVISIONS | | | By | WATER METER SETTINGS WITH A VERTICAL BYPASS, FIRE PROTECTION AND BACKFLOW PREVENTERS SCHEMATIC |
|-----------|---------|--|----|--|
| Date | Details | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Date: MAR/2019
Scale: N.T.S.

DWG. NO. WM007A

INSTALLATION DETAILS FOR WATER METERS WITH A VERTICAL BYPASS, FIRE PROTECTION AND BACKFLOW PREVENTERS:

1. ALL WATER METERS LARGER THAN 1" (25mm) SHALL BE INSTALLED BY A CERTIFIED PLUMBER.
2. A CLEAR PATH TO INSTALLATION AREA SHALL BE PROVIDED. THE INSTALLATION AREA AROUND THE METER SETTING MUST BE CLEAR OF DEBRIS AND ANY CONSTRUCTION MATERIAL.
3. INSTALLATION AREA SHALL BE FREE AND CLEAR OF WATER LEAKS.
4. CONNECTIONS UPSTREAM OF THE WATER METER ARE NOT PERMITTED.
5. ALL FITTINGS AND VALVES (CANNOT BE BUTTERFLY VALVE TYPE) MUST BE CSA APPROVED AND LEAD-FREE.
6. A MASTER CONTROL VALVE MUST BE INSTALLED BEFORE THE DOMESTIC SUPPLY SERVICE. NO OTHER VALVE TO CONTROL FIRE PROTECTION SERVICE SHALL BE INSTALLED EXCEPT A BACKFLOW PREVENTER.
7. AN INLET AND OUTLET VALVE MUST BE INSTALLED ON EITHER SIDE OF THE METER SETTING.
8. THE BYPASS VALVE CAN BE LOCATED AT ANY POINT ON THE BYPASS.
9. ANCHORS ARE TO BE PROVIDED ON BOTH OUTLET AND INLET PIPES TO ENSURE ALIGNMENT. PROVIDE ANCHORS AND SUPPORTS, AS REQUIRED, TO ENSURE WEIGHT OF METER, PIPES AND OTHER COMPONENTS IN THE METER SETTING ARE FULLY SUPPORTED.
10. THE WATER METER CANNOT BE INSTALLED IN A CONFINED SPACE (EG: CRAWL SPACE).
11. THE MAIN PIPE ALIGNMENT MUST BE A MINIMUM OF 18" (450mm) FROM ANY WALL, PARTITION, FIXTURE OR OTHER PIPING.
12. THE SPACE IN FRONT OF THE WATER METER SETTING MUST BE CLEAR OF OBSTRUCTIONS TO A HEIGHT OF 78" (1980mm).
13. AN UNOBSTRUCTED AREA OF 36" (900mm) IN FRONT OF METER SHALL BE MAINTAINED.
14. THE METER SETTING MUST BE IN A HORIZONTAL PLANE.
15. IDENTIFICATION TAGS ARE REQUIRED ON EACH INLET VALVE FOR ANY MULTIPLE METER INSTALLATION; AND ANY LAWN SERVICE MUST BE UNIQUELY IDENTIFIED SEPARATE FROM ANY OTHER DOMESTIC WATER SERVICE.
 - a. EACH TAG SHALL HAVE CIVIC ADDRESS THE WATER METER IS SERVING
 - b. TYPESET MINIMUM HEIGHT SHALL BE 3/16" (5mm) FOR ENGRAVED METAL OR PLASTIC TAGS
16. PREMISES ISOLATION OF THE WATER SUPPLY (FIRE, DOMESTIC, IRRIGATION, OTHER) IS MANDATORY FOR ALL COMMERCIAL, INDUSTRIAL, AND MULTI-RESIDENTIAL BUILDINGS. APPROVED ASSEMBLIES MUST BE SELECTED, INSTALLED, AND TESTED AS PER CSA B64.10.



| REVISIONS | | | WATER METER SETTINGS WITH A VERTICAL BYPASS, FIRE PROTECTION AND BACKFLOW PREVENTERS DETAILS |
|-----------|---------|----|--|
| Date | Details | By | |
| | | | Date: MAR/2019 Scale: N.T.S. |
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| | | | DWG. NO. WM007B |