

IRRIGATION SYSTEM REQUIREMENTS

Before an irrigation system can be put into service, the following are required:

Backflow prevention – prevents contaminants (fertilizer, pesticides, herbicides, bacteria) from getting into the water system through the sprinkler heads. Must be installed 12 inches above finished grade and upstream of the first sprinkler head. Must be in good working order (no drips or cracks).

RP's & DC's may be used in any application (required when device is below elevation of sprinkler heads)



Reduced Pressure Backflow Prevention Assembly (RP)



Double check valve assembly (DC)

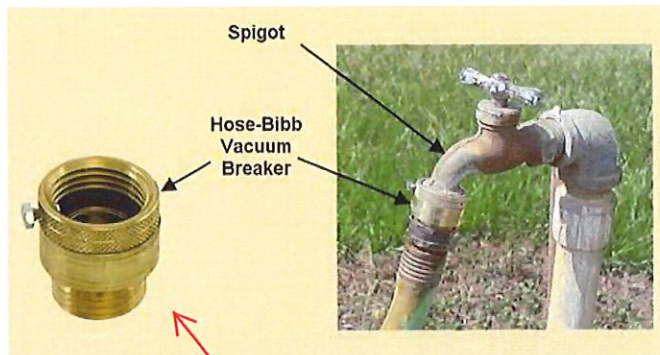


Pressure Vacuum Breaker Assembly (PVB)



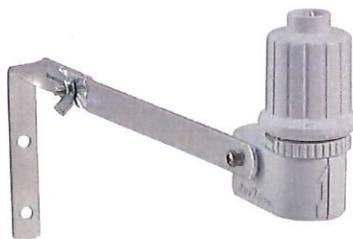
Spill-Resistant Pressure Vacuum Breaker Assembly (SVB)

PVBs & SVBs must be installed above the highest sprinkler head elevation



Yard hydrants require a hose bib vacuum breaker

Rain sensor – shuts off irrigation system when it's raining. Must be installed in open area & facing upward so it catches rain (not under eaves or overhangs). Typically installed on porch railing, fence or gutter.



COMPANION/IRRIGATION METER INSTALLATION REQUIREMENTS PRIOR TO INSTALLATION:

- ❖ AN APPROVED BACKFLOW PREVENTION DEVICE MUST BE INSPECTED THROUGH THE NEW KENT COUNTY DEPARTMENT OF PUBLIC UTILITIES.
- ❖ THE IRRIGATION SYSTEM DESIGN, INCLUDING ESTIMATED FLOW RATE & LOCATION OF RAIN SENSOR, MUST BE APPROVED BY NEW KENT DPU
 - BACKFLOW DEVICE & RAIN SENSOR ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION
 - BACKFLOW DEVICE IS INSTALLED BY A QUALIFIED PERSON
 - IRRIGATION LINES ARE **NOT** INSTALLED WITHIN THE UTILITY EASEMENT OR RIGHT-OF-WAY
 - THE SYSTEM CONFORMS TO LOW-FLOW AND WATER CONSERVING STANDARDS AND CAN REASONABLY OPERATE AT:
 - 10 GPM PER ZONE
 - 150 GALLONS PER DAY

LOCATION OF RAIN SENSOR: _____ (EX: RIGHT FRONT GUTTER)
LOCATION OF BACKFLOW DEVICE: _____ (EX: LEFT SIDE NEAR FUEL TANK)
BACKFLOW DEVICE MAKE/MODEL: _____ (EX: WILKINS 975 XL PVB)

- ❖ IN CERTAIN AREAS, A COMPANION METER BOX MUST BE INSTALLED BY NEW KENT DPU OR BY A PRIVATE UTILITY CONTRACTOR (WORKING DIRECTLY FOR CUSTOMER) LICENSED & BONDED TO DO BUSINESS IN NEW KENT COUNTY. INSTALLATION MUST BE IN ACCORDANCE WITH COUNTY UTILITY STANDARDS INSPECTED BY DPU

EXCLUSIONS:

- ❖ CUSTOMER IS RESPONSIBLE FOR CONNECTION OF THE IRRIGATION SYSTEM TO THE COMPANION METER BOX
- ❖ ALL INSTALLATION & INSPECTION SHALL BE PERFORMED DURING NORMAL COUNTY BUSINESS HOURS
- ❖ UNDER CERTAIN CIRCUMSTANCES, INSTALLING THE COMPANION METER MAY BE BEYOND THE CAPABILITIES OF DPU (METER BOXES LOCATED IN DRIVEWAYS, ON STEEP SLOPES, EXTENSIVE LANDSCAPING, ETC.) IN THESE INSTANCES, DPU RESERVES THE RIGHT TO REFUND THE INSTALLATION FEE TO THE CUSTOMER.
- ❖ FOLLOWING INSTALLATION, DPU WILL MAKE REASONABLE EFFORTS TO RESTORE WORK SITES TO ORIGINAL CONDITION, HOWEVER, DPU WILL NOT BE RESPONSIBLE FOR LANDSCAPE DAMAGE & REPLACEMENT OF (SOD, SHRUBBERY, SPRINKLER HEADS, ETC.)
- ❖ COMPANION METER BOX INSTALLATIONS ARE PERFORMED BY DPU ON A FIRST-IN, FIRST-OUT BASIS, AS THE UTILITY MAINTENANCE SCHEDULE ALLOWS. THERE IS NO GUARANTEED TIME FRAME FOR COMPANION METER BOX INSTALLATION IF PERFORMED BY DPU.