

REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY

DOUBLE CHECK VALVE BACKFLOW PREVENTION ASSEMBLY

INSTALLATION REQUIREMENTS

1. ALL PIPING TO CONFORM TO AKRON WATER SUPPLY BUREAU (AWSB) STANDARD CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
2. BYPASSING OF THIS ASSEMBLY IS SPECIFICALLY PROHIBITED.
3. INSTALLATION OF THIS ASSEMBLY IN VAULTS IS SPECIFICALLY PROHIBITED.
4. UNIONS PRIOR TO BACKFLOW PREVENTION ASSEMBLIES ARE PROHIBITED.
5. INSTALLED DIRECTLY AFTER THE METER SETTING AHEAD OF ANY OUTLETS.
6. INSTALLED SO AS TO BE READILY ACCESSIBLE FOR INSPECTION, TESTING, AND MAINTENANCE.
7. PROVIDED WITH ADEQUATE SPACE FOR INSPECTION, TESTING, MAINTENANCE, AND DISASSEMBLY.
8. PROTECTED FROM FREEZING BY INSTALLATION WITHIN A HEATED BUILDING.
9. MOUNTED IN A HORIZONTAL POSITION WITH ABUTTING SHUT-OFF VALVES, AS SUPPLIED WITH THE ASSEMBLY, NO LOWER THAN 1' AND NO HIGHER THAN 3' FROM THE FINISH FLOOR. MINIMUM 1' FROM CENTERLINE ON ALL SIDES.
10. PROVIDED WITH ADEQUATE DRAINAGE.
11. INSTALLED SO THAT THERE IS A VISIBLE FREE DISCHARGE FROM THE RELIEF PORT WITH NO EXTENSION PIPING.
12. INSTALLED PER MANUFACTURER'S SPECIFICATIONS. WHERE MANUFACTURER'S SPECIFICATIONS CONFLICT WITH THESE GUIDELINES, THESE GUIDELINES SHALL GOVERN.
13. BECAUSE OF THEIR DESIGN, BACKFLOW PREVENTION ASSEMBLIES CREATE A CLOSED SYSTEM AND A DETECTABLE PRESSURE LOSS. BECAUSE OF THESE FACTS, THE INSTALLATION MAY ALTER THE HYDRAULICS OF THE INTERNAL PLUMBING SYSTEM. THE OWNER SHOULD CONTACT A MECHANICAL DESIGNER PRIOR TO INSTALLATION.
14. UPON INSTALLATION, ASSEMBLIES MUST BE TESTED BY A BACKFLOW PREVENTION ASSEMBLY TESTER, CERTIFIED BY THE OHIO DEPARTMENT OF COMMERCE. THE ASSEMBLY MUST BE DISMANTLED, INSPECTED INTERNALLY, CLEANED, AND REPAIRED, IF NECESSARY.
15. THE BYPASS METER FOR A REDUCED PRESSURE DETECTOR ASSEMBLY SHALL BE APPROVED BY AWSB, FURNISHED AND INSTALLED BY THE OWNER

INSTALLATION REQUIREMENTS

1. ALL PIPING TO CONFORM TO AKRON WATER SUPPLY BUREAU (AWSB) STANDARD CONSTRUCTION DRAWINGS AND SPECIFICATIONS.
2. BYPASSING OF THIS ASSEMBLY IS SPECIFICALLY PROHIBITED.
3. INSTALLED DIRECTLY AFTER THE METER SETTING AHEAD OF ANY OUTLETS.
4. UNIONS PRIOR TO BACKFLOW PREVENTION ASSEMBLIES ARE PROHIBITED.
5. INSTALLED SO AS TO BE READILY ACCESSIBLE FOR INSPECTION, TESTING, AND MAINTENANCE.
6. PROVIDED WITH ADEQUATE SPACE FOR INSPECTION, TESTING, MAINTENANCE, AND DISASSEMBLY.
7. PROTECTED FROM FREEZING BY INSTALLATION WITHIN A HEATED BUILDING.
8. MOUNTED IN A HORIZONTAL POSITION WITH ABUTTING SHUT-OFF VALVES, AS SUPPLIED WITH THE ASSEMBLY, NO LOWER THAN 1' AND NO HIGHER THAN 3' FROM THE FINISH FLOOR. MINIMUM 1' FROM CENTERLINE ON ALL SIDES.
9. INSTALLATIONS ABOVE GROUND LEVEL ARE PREFERRED. WHERE ABOVE GROUND INSTALLATIONS ARE NOT REASONABLY PRACTICAL, AN UNDERGROUND ENCLOSURE MAY BE USED WITH THE APPROVAL OF AWSB.
10. INSTALLED PER MANUFACTURER'S SPECIFICATIONS. WHERE MANUFACTURER'S SPECIFICATIONS CONFLICT WITH THESE GUIDELINES, THESE GUIDELINES SHALL GOVERN.
11. BECAUSE OF THEIR DESIGN, BACKFLOW PREVENTION ASSEMBLIES CREATE A CLOSED SYSTEM AND A DETECTABLE PRESSURE LOSS. BECAUSE OF THESE FACTS, THE INSTALLATION MAY ALTER THE HYDRAULICS OF THE INTERNAL PLUMBING SYSTEM. THE OWNER SHOULD CONTACT A MECHANICAL DESIGNER PRIOR TO INSTALLATION.
12. UPON INSTALLATION, ASSEMBLIES MUST BE TESTED BY A BACKFLOW PREVENTION ASSEMBLY TESTER, CERTIFIED BY THE OHIO DEPARTMENT OF COMMERCE. THE ASSEMBLY MUST BE DISMANTLED, INSPECTED INTERNALLY, CLEANED, AND REPAIRED, IF NECESSARY.
13. THE BYPASS METER FOR A DOUBLE CHECK VALVE ASSEMBLY ON THE BYPASS LINE SHALL BE APPROVED BY THE AKRON WATER SUPPLY BUREAU (AWSB), FURNISHED AND INSTALLED BY THE OWNER.

DO NOT SCALE - USE DIMENSIONS ONLY

FOR ANY QUESTIONS OR CONCERNS CONTACT THE BACKFLOW PREVENTION PROGRAM AT (330) 375-2690

CITY OF AKRON
DEPARTMENT OF PUBLIC SERVICE
WATER SUPPLY BUREAU

REDUCED PRESSURE PRINCIPLE AND DOUBLE
CHECK VALVE BACKFLOW PREVENTION
ASSEMBLY NOTES

REV. DECEMBER 13, 2023

AKRON WATER SUPPLY BUREAU STANDARD DRAWINGS FOUND ONLINE AT
<http://www.akronohio.gov/water>


UTILITIES ENGINEER

STANDARD CONSTRUCTION
DRAWING NO.

G-3.0