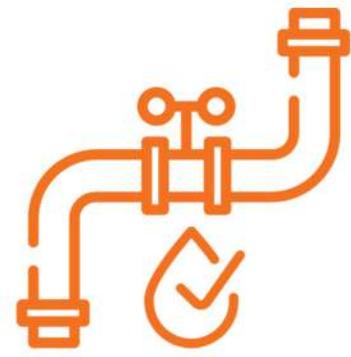




EXPERTS IN:

CROSS-CONNECTION CONTROL AND BACKFLOW PREVENTION



Founded in 2015, Citrine LLC (Citrine) is a multi-discipline firm specializing in professional engineering design, construction administration, and commissioning services. Citrine is at the forefront of cross-connection control and backflow prevention and have extensive experience in the manufacturing, industrial, commercial, military, hospital, and government sectors. Citrine's backflow technicians and surveyors are familiar with all regulations and requirements and are trained and certified professionals. We have a firm grasp of hydraulics and the principles of backflow prevention, including how or why it occurs.

Citrine is a Small Disadvantaged Business (SDB), Service-Disabled Veteran-Owned Small Business (SDVOSB), Women-Owned (WOSB), and HUBZone certified firm. We are Colorado Department of Transportation Small Business Enterprise (SBE), Emerging Business Enterprise (EBE), Minority and Women-Owned Business Enterprise (MWOBE) and Disadvantaged Business Enterprise (DBE).

Strong knowledge in:

- Air Gap
- Trap Primer
- Spill Resistant Vacuum Breaker
- Reduced Pressure Principle Assembly
- Double Check Valve
- Pressure Vacuum Breaker
- Atmospheric Vacuum Breaker
- Hydraulic Modeling
- Uni-Directional Flushing Programs

Our certifications and memberships include:

- American Society of Sanitary Engineering (ASSE)
- American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)
- Construction Management Association of America (CMAA)
- Building Commissioning Association (BCxA)

Why Choose Citrine?

ASSE Certified Technicians. Our Lead Technician has over 10 years of experience.

Expertise. Our team holds advanced certifications and stays at the cutting edge of backflow prevention technology and regulations. We have executed the design of potable, raw, reverse osmosis, and demineralized systems with backflow prevention devices for connection with municipalities and irrigation districts.

Comprehensive Backflow Prevention Surveys. We have strong knowledge of thermal expansion, installation requirements, pressure loss related to backflow protection, and fire protection system types and hazards.

Compliance Assistance. We navigate the complexities of local and federal regulations to ensure your facilities are compliant and secure.

Proactive Protection. We anticipate potential issues to safeguard your water systems before issues arise.

Strong Communication. We clearly explain technical issues in understandable terms and provide actionable recommendations. We issue regular updates and are responsive to questions and feedback.

Unique Entity Identifier: JKPQTKHSKRP4

NAICS CODES

SPECIAL ITEM NUMBERS:



CAGE: 7PL41

- 541330 (Primary)
- 221310
- 236220
- 238210
- 238220
- 238290
- 323113
- 323120
- 541310
- 541340
- 541350
- 541380
- 541420
- 541611
- 541690
- 541715
- 541990
- 561210
- 561621
- 561910
- 611513
- 611519

- 541330ENG
- 541380
- 541420
- 541690E
- 541715
- 611430
- OLM



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SAMPLING OF OUR PAST PERFORMANCE - CROSS-CONNECTION CONTROL AND BACKFLOW PREVENTION

BACKFLOW DEVICE INSPECTION, TESTING AND REPAIR SERVICES, VA WESTERN COLORADO HEALTHCARE SYSTEM, DEPARTMENT OF VETERANS AFFAIRS, GRAND JUNCTION, CO

59 assemblies; 2025

BACKFLOW PREVENTION DEVICE SURVEY, BASEWIDE, U.S. AIR FORCE, LUKE AIR FORCE BASE, AZ

400 buildings, 390 backflow assemblies; 2024

BACKFLOW PREVENTION DEVICE SURVEY, U.S. AIR FORCE, JOINT BASE ELMENDORF-RICHARDSON (JBER) AFB, AK

822 buildings spanning over 400 square miles; 2021

PLUMBING AND HVAC ENGINEERING SERVICES, PROJECT GATEWAY FIBERLINE & WAREHOUSE BUILDINGS, WACO, TX

522,250 sf; 2025

ANNUAL TANK INSPECTIONS UNITED STATES AIR FORCE, EGLIN AIR FORCE BASE (AFB), FL

20 existing steel elevated water storage tanks; 2023 & 2025

REPAIR TO OKUBO DORM B3631 AND B3635, U.S. AIR FORCE, FT. SAM HOUSTON, JOINT BASE SAN ANTONIO, TX

126,153 sq ft; 2025



KNOWLEDGE OF REFERENCES INCLUDE:

- AFMAN 32-1067, Water and Fuel Systems
- AFI 48-144, Safe Drinking Water Surveillance Program
- American Water Works Association (AWWA) M14 Recommended Practice for Backflow Prevention and Cross-Connection Control
- ANSI/AWWA Manual C511-17(R21) Reduced-Pressure Principle Backflow Prevention Assembly
- Cross-Connection Control Manual, EPA 570/9-89-007
- International Plumbing Code
- National Primary Drinking Water Regulations, Title 40 Code of Federal Regulations, Part 141
- Public Law 93-521, Safe Water Drinking Act, 1976
- Unified Facilities Criteria (UFC) 3-420-01 Plumbing Systems with Changes 1-8
- Uniform Plumbing Code, International Association of Plumbing and Mechanical Officials (IAPMO), 2021