

THE SINGLE SOURCE SOLUTION

Ross Pre-Packaged Valve Vault.

For municipal and industrial applications.

ROSS VALVE MFG. CO., INC.

Since 1879

Simplify your life, with the Ross Pre-Packaged Valve Vault.

What are the advantages of the Ross Pre-Packaged Valve Vault?

Consider these factors: the vaults are engineered, factory-built, assembled, and tested — all within a controlled environment. They include all necessary piping, controls, and appurtenances. The vault is delivered to your prepared site, installed, connected, and tested, all in the span of a few hours.

Plus, the valve vault comes with the reassurance that it's designed and constructed by Ross Valve, the company you rely on for quality, integrity, durability, and long-lasting performance.

We conceived and designed our Pre-Packaged Valve Vault for convenience, time savings, cost efficiency, and most importantly, ease of maintenance. Once the installation site is prepared and excavation, subbase, and pipe connections completed, the installation and connection process is practically instantaneous.

The vault is suitable for a range of municipal and industrial installations, including pressure-reducing, back-pressure sustaining, level control, pump control, and other control applications. All vaults are guaranteed for one year.

In addition to the ease of installation, the quality of this Ross Valve product will keep things simple. It has a compact design that meets or exceeds construction standards, chambers are structurally reinforced as necessary, all devices requiring periodic maintenance have service connections, and an optional secondary access opening permits removal of valves and fittings.

While our Pre-Packaged Valve Vault simplifies your life, we've taken all the extra steps to ensure that the design, manufacture, materials, and workmanship is of the highest value. As with all Ross-Valve products, you can be assured you've selected the highest level of quality, and the professional service that goes with it.

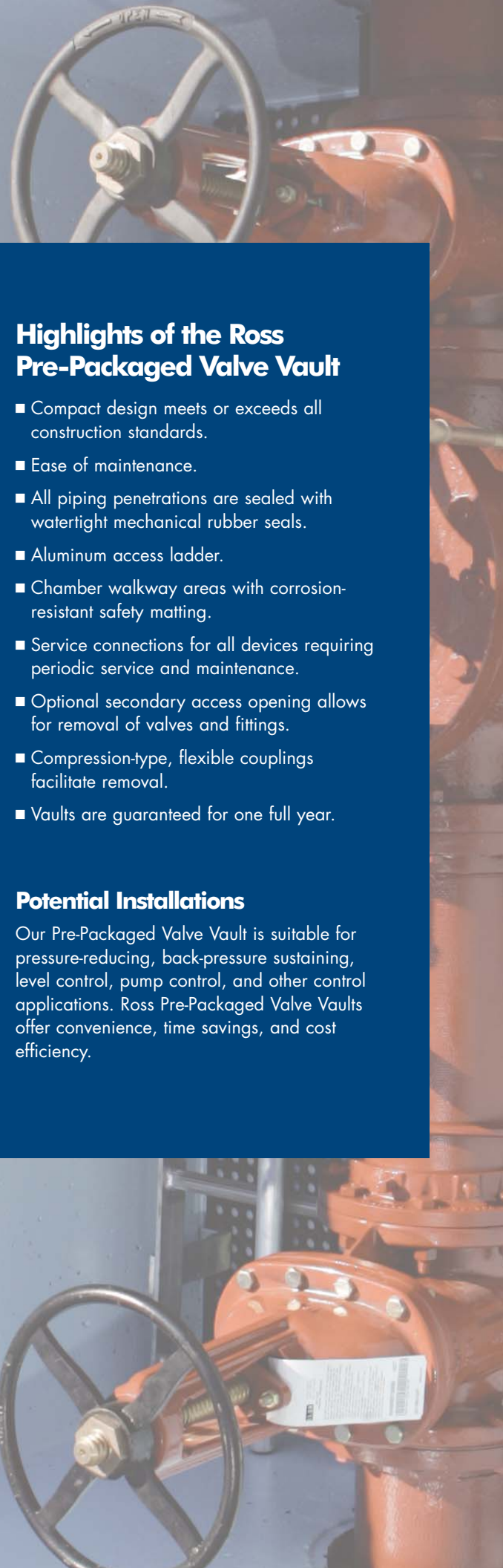
Everything should be so easy.

Highlights of the Ross Pre-Packaged Valve Vault

- Compact design meets or exceeds all construction standards.
- Ease of maintenance.
- All piping penetrations are sealed with watertight mechanical rubber seals.
- Aluminum access ladder.
- Chamber walkway areas with corrosion-resistant safety matting.
- Service connections for all devices requiring periodic service and maintenance.
- Optional secondary access opening allows for removal of valves and fittings.
- Compression-type, flexible couplings facilitate removal.
- Vaults are guaranteed for one full year.

Potential Installations

Our Pre-Packaged Valve Vault is suitable for pressure-reducing, back-pressure sustaining, level control, pump control, and other control applications. Ross Pre-Packaged Valve Vaults offer convenience, time savings, and cost efficiency.



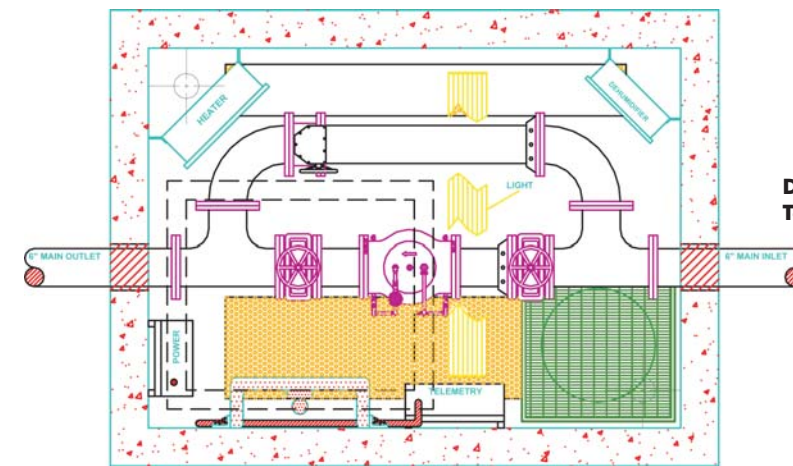
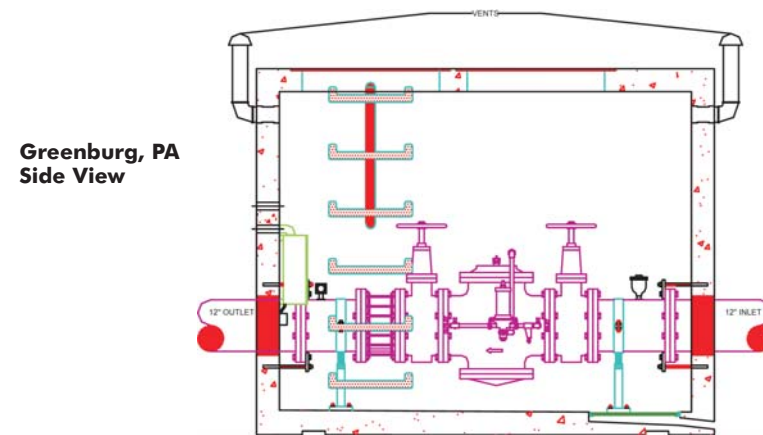
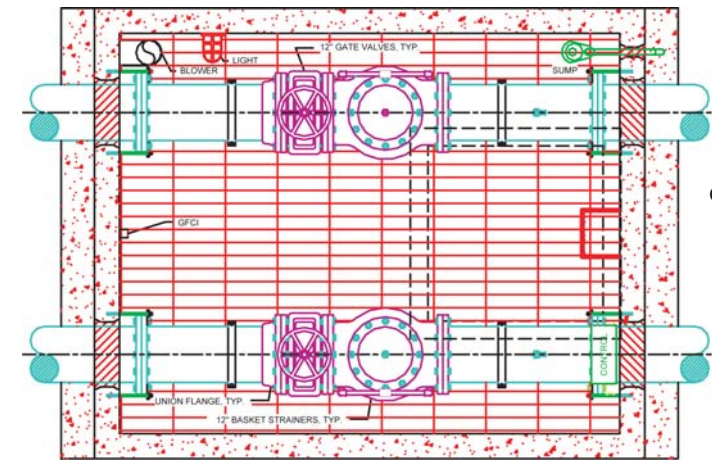
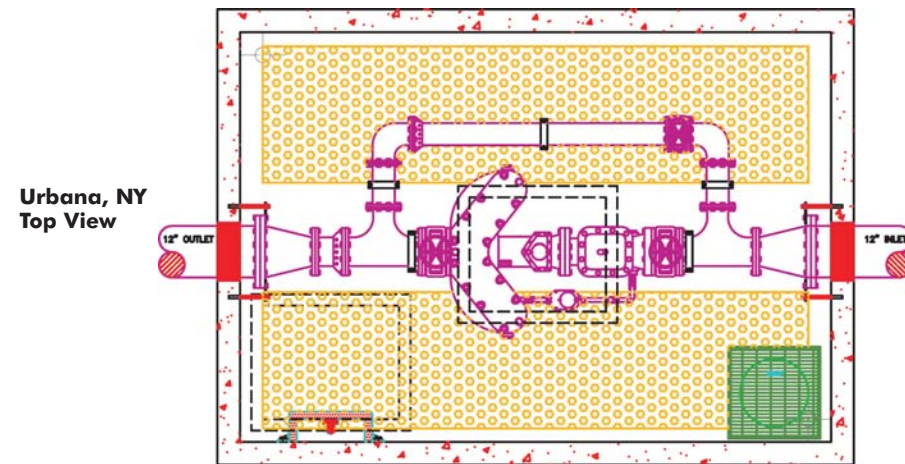
The safe, secure, streamlined way to contain critical control valves.

Designed for a range of control applications, the Ross Pre-Packaged Valve Vault features a durable concrete reinforced exterior that will never rust and that requires very little maintenance. The valve vault is a finished unit with all piping, valve controls, and appurtenances. Once your site is prepared, the vault can be delivered to your site and installed, connected, and tested the same day.

Features and Benefits

- Ross Engineers design with footprint and serviceability in mind to accommodate most installation needs.
- The 6-inch thick, high-strength, 5,000 psi reinforced concrete exterior is available with a high-quality enamel finish. The rust-proof exterior will hold up in salt water and harsh environments.
- Accurately aligned, valve piping is secured to the vault with floor support anchors and wall anchors.
- Piping penetrations are sealed with water-tight mechanical rubber seals.
- Two-piece vault construction accommodates expansion and contraction to relieve stresses.
- Vault is shipped with pipe stubs extending to vault exterior.
- An optional secondary access opening permits removal of valves and fittings.
- Service connections make maintenance easy.
- Valves, fittings, and piping are NSF61 epoxy-coated approved.
- The access ladder is of heavy-duty plastic-encased UL approved steel or aluminum, with ladder up feature.
- Corrosion-resistant safety matting covers chamber walkway areas.
- Compression-type, flexible couplings facilitate removal.
- Assembled in a controlled environment, by trained professionals.
- Factory tested before shipping.

4 Typical Installation Drawings



The Ross Pre-packaged Valve Vault Timeline

Installation of the Valve Vault is quick and worry free.



Initial site prep



Vault arrives
11:00 am



Vault base unloaded
11:15 am



Vault base positioned
on site
11:20 am



Vault top unloaded
11:30 am



Vault top positioned
11:35 am



Vault ready for connection
11:55 am

Specifications, drawings, and pricing information are available upon request. Please contact a Ross Valve representative at 518-274-0961.

MADE IN USA

Order Description Checklist

Project Name: _____
Project Location: _____
Company Name: _____
Company Contact: _____
Address: _____
Phone: _____ Fax: _____ E-mail: _____

SYSTEM APPLICATION:

- Pressure Control System
- Level Control System
- Pump Control System
- Flow Control System
- Pressure Relief
- Backpressure Sustaining
- Surge Control System
- Flow Metering System
- Backflow Control System
- Other _____

MAINLINE DETAILS:

Mainline Pipe Diameter (ID): _____
Mainline Pipe Material (ID): _____
 Mainline to Provide Fire Protection

DESIGN FLOW RATES:

Minimum: _____ (USGPM or LPS)
Normal: _____ (USGPM or LPS)
Maximum: _____ (USGPM or LPS)

DESIGN PRESSURE DATA:

Max Inlet: _____ (PSI or Bar)
Min Inlet: _____ (PSI or Bar)
Max Outlet: _____ (PSI or Bar)
Min Outlet: _____ (PSI or Bar)
Desired Outlet: _____ (PSI or Bar)

ISOLATION VALVES:

- Resilient Seat Gate Valves
- AWWA Butterfly Valves
- Wafer or Lug Style Butterfly Valves
- Other: _____

INLINE STRAINERS:

- None Required
- Wye Strainers with Blowdown
- Basket Strainers with Blowdown
- Other: _____

ACCESSORIES:

- Inlet Air Release Valve with Isolation
- Outlet Combination Valve with Isolation
- Other: _____

STANDARD CONFIGURATIONS:

- Single Control Valve
- Dual Control Valve
- Single Control Valve w/Manual Bypass
- Dual Control Valve w/Manual Bypass
- Configuration as per supplied detail

SYSTEM LOCATION:

- Ventilation Pipes with Insect Screens (standard)
- Above Grade Construction
- Below Grade Concrete Vault Application - approximate mainline pipe bury depth _____ (ft or m)
- Other _____

CONCRETE VAULT FINISH AND COATINGS:

- Interior and Exterior Wall, Floor and Ceiling NSF61 Fjord Blue Epoxy Paint (standard)
- Exterior Bitumastic Tar Damp-proofing
- Spray-on Polyurethane Foam Insulation

Notes: _____

HATCHWAY AND MANHOLE OPTIONS:

- Aluminum Hatchway (standard)
- Manhole Frame and Cover
- Steel Hatchway
 - Pedestrian Load Rated
 - Vehicle Load Rated
- Elevated Hatch

Notes: _____

SUMP DRAINAGE OPTIONS:

- Sump Knockout for Gravity Filtration
- Cast-in Sump Basin
 - No Drain Hole
 - Daylight Drain Hole
- Line Pressure Sump Discharge Assembly
- Submersible Sump Pump (power required)

Notes: _____

ELECTRICAL OPTIONS:

- Lighting and Receptacles
- Forced Ventilation
- Electrical Heaters
- Control and/or Monitoring Panels
- Other: _____

Special Notes: _____

There's nothing like a Ross Valve.

When George Ross founded our company in 1879, he made a product designed to last. He also created a company built on enduring values: integrity of design and engineering, quality of materials, craftsmanship in manufacturing, a high level of customer service, and flexible business systems that have evolved with technology and the times.

Now, much more than a century later, Ross automatic control valves are legendary throughout the world. Over the years, they have played a pivotal part in construction projects both large and small, serving systems as diverse in size and operating conditions as New York City, Los Angeles, Quito, and Madrid.

Ross offers a complete line of standard valves including electric, pump control, pressure reducing, flow control, altitude, back pressure sustaining, relief, surge control, and float valves, as well as a complete line of strainers and diaphragm-style valves. Complementing these product lines are high energy dissipation anti-cavitation valves – our “WaterTamer.” Rounding out our product line is a full line of valves for wastewater. Of course, we also have a variety of customized valves and valve features that can be engineered to suit any application.

Accurate. Ruggedly constructed. Versatile. Reliable. And backed by dedicated technical support and uncompromised field service. No wonder customers around the world always seem to say: There's nothing like a Ross Valve.

ROSS VALVE MFG. CO., INC.

Ross Valve Mfg. Co., Inc.
P.O. Box 595
Troy, NY 12181-0595, USA
Voice 518-274-0961
Fax 518-274-0210
e-mail sales@rossvalve.com
www.rossvalve.com



All Ross valves meet or exceed all current AWWA standards for construction and pressure ratings.
RPV 4-05 5M



Ross valves are known for their exceptional quality. And no wonder, because we control the process in-house from start to finish. After designing the components, molds are made. We then start with the finest raw materials. All metals are poured in our own foundries. All parts are machined to specs. Then each valve is meticulously assembled, pilot valves and controls are set, and the valve is "wet" tested under the designed operating conditions. When you receive your new Ross valve, you can count on its ability to perform from start to finish.

**MADE IN
USA**