

# 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.



- 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.



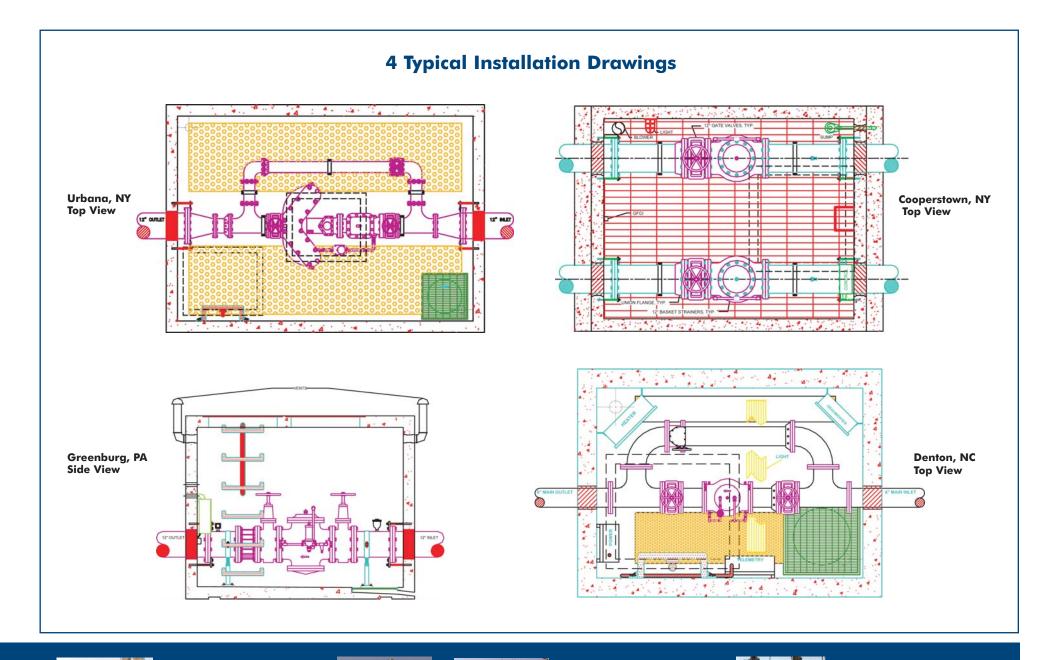
## The safe, secure, streamlined way to contain critical control valves.

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 watertight 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.



### 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 availab upon request. Please contact a Ross Valve representative 518-274-0961.



### Order Description Checklist

Project Name:	
Project Location:	
Company Name:	
Company Contact:	
Address: Fax:	E-mail:
	<del></del>
SYSTEM APPLICATION:	STANDARD CONFIGURATIONS:
☐ Pressure Control System	☐ Single Control Valve
☐ Level Control System	☐ Dual Control Valve
☐ Pump Control System	☐ Single Control Valve w/Manual Bypass
☐ Flow Control System	
☐ Pressure Relief	☐ Dual Control Valve w/Manual Bypass
☐ Pressure Kerier ☐ Backpressure Sustaining	☐ Configuration as per supplied detail
☐ Surge Control System	SYSTEM LOCATION:
☐ Surge Control System ☐ Flow Metering System	
	<ul> <li>□ Ventilation Pipes with Insect Screens (standard)</li> <li>□ Above Grade Construction</li> </ul>
☐ Backflow Control System	
☐ Other	<ul> <li>Below Grade Concrete Vault Application - approximate mainline pipe bury depth</li> </ul>
MAINLINE DETAILS:	(ft or m)
Mainline Pipe Diameter (ID):	Other
Mainline Pipe Material (ID):	CONTORETE VALUE EINUCLE AND CONTINUOS
☐ Mainline to Provide Fire Protection	CONCRETE VAULT FINISH AND COATINGS:  Interior and Exterior Wall, Floor and Ceiling
DECION FLOVA DATEC	NSF61 Fjord Blue Epoxy Paint (standard)
DESIGN FLOW RATES:	☐ Exterior Bitumastic Tar Damp-proofing
Minimum: (USGPM or LPS)	☐ Spray-on Polyurethane Foam Insulation
Normal: (USGPM or LPS)	Notes:
Maximum: (USGPM or LPS)	
DECLOS LIBERCLIBE DATA	HATCHWAY AND MANHOLE OPTIONS:
DESIGN PRESSURE DATA:	☐ Aluminum Hatchway (standard)
Max Inlet: (PSI or Bar)	☐ Manhole Frame and Cover
Min Inlet: (PSI or Bar)	☐ Steel Hatchway
Max Outlet: (PSI or Bar)	☐ Pedestrian Load Rated
Min Outlet: (PSI or Bar)	☐ Vehicle Load Rated
Desired Outlet: (PSI or Bar)	☐ Elevated Hatch
	Notes:
ISOLATION VALVES:	110103.
Resilient Seat Gate Valves	SUMP DRAINAGE OPTIONS:
☐ AWWA Butterfly Valves	Sump Knockout for Gravity Filtration
☐ Wafer or Lug Style Butterfly Valves	Cast-in Sump Basin
☐ Other:	□ No Drain Hole
	☐ Daylight Drain Hole
INLINE STRAINERS:	☐ Line Pressure Sump Discharge Assembly
☐ None Required	☐ Submersible Sump Pump (power required)
☐ Wye Strainers with Blowdown	Notes:
□ Basket Strainers with Blowdown	Notes
☐ Other:	ELECTRICAL OPTIONS:
ACCESSORIES:	☐ Lighting and Receptacles ☐ Forced Ventilation
☐ Inlet Air Release Valve with Isolation	<del></del>
Outlet Combination Valve with Isolation	☐ Electrical Heaters
□ Other:	☐ Control and/or Monitoring Panels
	☐ Other:
Special Notes:	
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## 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

#### QUALITY ISO SYSTEM 9001

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













