

Reliable[®]

PrePaK[™] Systems You Can Trust

*Factory Assembled and Tested
Preaction, Deluge, and Dry Pipe Systems*

**Model DDX
PrePaK[™]
System**

**Model DDX
PrePaK[™]
N₂Blast[®]
System**



PrePaK™ Systems for Critical Areas

Proven Cabinets for Special Applications

Fire protection equipment in a plug and play design

Quick and easy on-site installation: water supply, drain, and system piping connections. Alarm and power supply electrical connections. After the system set up, you're done! The PrePaK™ System has unsurpassed reliability in Preaction, Dry Pipe, and Deluge Valve systems technology. Extensive third-party approvals and rigorous quality control by Reliable make PrePaK™ Systems dependable fire protection for critical applications.



The Factory Assembled Box



The Cabinet Features and Benefits

- Saves floor space with a system valve and all accessories in a compact cabinet.
- Powder-coated steel construction protects equipment.
- All sizes fit through a standard 36" (914 mm) doorway, making the unit easier to locate and install.
- Lifting eyes are a secondary safe way to position your PrePaK™ System.
- Access panels on both sides provide future access to the interior, no matter the cabinet location.
- Dual mirrored water supply and drain connections on common centerlines provide flexibility and the ability to connect many systems next to each other with spool or concentric reducers.
- View supply and system pressure gauges and optional releasing control panel from the outside the cabinet.
- Grommets for pipe penetrations seal openings.
- Factory-wired terminal box consolidates electrical connections to a low voltage terminal box.

Standard Equipment

Factory installed and tested saves you time

Pre-assembly saves time, saves money, and reduces electrical wiring errors, ensuring proper operation and performance. Simple software selection between single and double-interlock preaction operation without rewiring. The heart of the system is the DDX Valve. Including the N₂Blast® line, there are 13 valve configurations available.



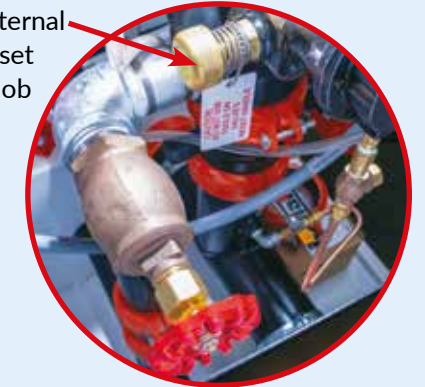
The DDX Valve Features and Benefits



Time and field-proven mechanical deluge valve with latching clapper. Helps prevent false-tripping and utilizes a single main drain valve. Valve sizes from 2" (50 mm) to 8" (200 mm).



Crafted from stainless steel, the clapper, seat, and push rod assembly resist corrosion.



External Reset Knob

Resetting the clapper of the Model DDX Deluge Valve is easily accomplished using the external reset knob at the rear of the valve.

Standard Accessories



Electrical connections consolidated to a factory-wired low voltage terminal box



Potter Alarm and Supervisory Pressure Switches (where applicable)



Potter Model RCDS-1 Releasing Circuit Disable Switch— Provides a supervised method of disconnecting the solenoid during system maintenance and service



Supply Side Control Valve

Other Accessories Include: Gauges, trim piping, wiring, and manual emergency release station.

Standard & Optional PrePaK™ System Equipment

Key
S = Standard
O = Optional

Releasing Trim		
DDX Type D	Single Interlock-Electric Release	
	-or-	
	Double Interlock-Electric/Electric Release	
	DDX Type F PrePaK	Double Interlock-Electric Penumatic Release
		Model DDX-LP
DDX-LP N₂Blast® PrePaK™	Low Pressure Dry Pipe	
	Low Pressure Dry Pipe	

	DDX Type D PrePaK™	DDX Type D N ₂ Blast® PrePaK™	DDX Type F PrePaK™	DDX Type F N ₂ Blast® PrePaK™	DDX-LP PrePaK™	DDX-LP N ₂ Blast® PrePaK™
	Preaction System	Preaction System	Preaction System	Preaction System	Low Pressure Dry Pipe System	Low Pressure Dry Pipe System
Model DDX Valve	S	S	S	S	S	S
2" (50mm), 2½" (65mm), 3" (80mm), or 4" (100mm) valve sizes	S	S	S	S	S	S
6" (150mm), or 8" (200mm) valve sizes	S		S		S	
Powder coated steel cabinet with lifting eyes	S	S	S	S	S	S
Inlet and Drain connections on both sides of cabinet, at common centerlines for all sizes	S	S	S	S	S	S
Supply side supervised control valve	S	S	S	S	S	S
System side supervised control valve	O	O	O	O	O	O
Closed drain manifold	S	S	S	S	S	S
Transparent pipe segment on main drain discharge for visual observation of water flow from drain	S	S	S	S	S	S
Supply and system pressure gauges	S	S	S	S	S	S
Electrical Equipment						
Electrical connections consolidated to factory-wired terminal box	S	S	S	S	S	S
Potter PFC4410RC Releasing Control Panel	O	O	O	O		
Low Air Supervisory Pressure Switch	S	S	S	S	S	S
Water Flow Pressure Switch	S	S	S	S	S	S
Potter RCDS-1 releasing control disconnect switch	S	S	S	S		
Supervisory Air/Nitrogen Supply						
South-Tek N ₂ Blast® Model FPS-900-RS PSA-type Nitrogen Generator for systems up to 900 gallons		S		S		S
Connection kit for owner's nitrogen cylinders	O		O		O	
½ HP 115 VAC 60Hz Reliable QRM2 Compressor	O	O	O	O	O	O
1 HP 115 VAC 60Hz Reliable QRM2 Compressor			O	O	O	O
1½ HP 115 VAC 60Hz Reliable QRM2 Compressor			O	O	O	O
½ HP 220 VAC 60HZ Reliable QRM2 Compressor	O	O	O	O	O	O
1 HP 220 VAC 60Hz Reliable QRM2 Compressor			O	O	O	O
1½ HP 220 VAC 60Hz Reliable QRM2 Compressor			O	O	O	O
Desiccant Air Dryer Kit	O		O		O	
Pressure Maintenance Devices						
Listed and approved pressure maintenance device	S	S	S	S	S	S
NS-ASAM (Automatic switchover pressure maintenance device for redundant sources)	O	O	O	O	O	O
South-Tek AutoPurge™ Vent for field installation		S		S		S
Actuators						
Model LP pneumatic actuator			S	S	S	S
175 psi (12 bar) rated solenoid valve	S	S	S	S		
300 psi (20.7 bar) rated solenoid valve	O	O	O	O		
175 psi (12 bar) rated explosion proof solenoid valve	O	O	O	O		
300 psi (20.7 bar) rated explosion proof solenoid valve	O	O	O	O		
Model B manual emergency release	S	S	S	S	S	S
Quick Opening Device						
Model B-1 accelerator			O	O	O	O
Seismic Kit						
	O	O	O	O	O	O
Listings and Approvals						
cULus Listed as a Special System Water Control Valve Assembled Unit	S		S		S	
cULus Listed Preaction System Valve or Dry Pipe Valve	S	S	S	S	S	S
FM Approved as a Refrigerated Area Sprinkler System (Assembled Unit)	S	S	S	S		
FM Approved as a Factory Assembled Dry Pipe System					S	S
FM Approved Preaction System Valve or Dry Pipe Valve	S	S	S	S	S	S
FM Approved Nitrogen Generator		S		S		S
OSHPD Special Seismic Certification Preapproval (requires optional Seismic Kit)	O	O	O	O	O	O
California State Fire Marshal Building Materials Listing			S			

Other DDX Valve releasing trims available upon request, such as deluge, wet pilot, and dry pilot.



Equipment Options

TRIMS

Deluge

- Electric Actuation
- Dry Pilot
- Wet Pilot

Single Interlock Preaction

- Type D Electric
- Dry Pilot
- Wet Pilot

Double Interlock Preaction

- Type D Electric/Electric
- Type F Electric/Pneumatic
- Type PL Pneumatic/Pneumatic

Dry Pipe

- DDX-LP
(Low Supervisory Pressure)

Other Optional Equipment



Model B1
Accelerator Trim Kit



Potter Model PFC4410RC
Releasing Control Panel



QRM2 Quiet Air Compressors
½ HP, 1 HP, or 1½ HP



Nitrogen
Supply Kit



Model NS-ASAM Kit



System Side Control
Valve Kit



Nitrogen Tank Bracket



300 psi
Solenoid



Dessicant
Dryer

The DDX PrePaK™ N₂Blast® System

Increase the life expectancy of system piping and components with a South-Tek nitrogen generator

Available with Reliable® Preaction and Dry-Pipe Systems

- 2" (50 mm), 2½" (65 mm), 3" (80 mm) and 4" (100 mm) valve sizes
- DDX Type D preaction, DDX Type F preaction, or DDX-LP dry-pipe configurations

South-Tek N₂Blast® Model FPS-900-RS Nitrogen Generator

- FM Approved nitrogen generator
- Pressure Swing Adsorption (PSA) technology
- System capacity up to 900 gallons
- Includes AutoPurge System™ vent

Benefits

- Lower pipe repair and replacement costs
- Two systems combined into one cabinet to save floor space and labor
- Reduced monthly maintenance costs by 25% near term and 30%-50% mid to long term
- Fewer business interruptions due to fewer leaks, problems, and maintenance
- Reduced liability related to a system not functioning
- Reduced threat from a potential catastrophic problem due to corrosion
- Lower long-term expense for full pipe replacement



*FM Approved as a factory-assembled system.
cULus Listed Preaction System Valve or Dry Pipe Valve.*

Note: N₂Blast® and AutoPurge System™ are trademarks of South-Tek Systems, LLC

THE RELIABLE DIFFERENCE

*Assembled in-house. Never outsourced.
Built in Liberty, South Carolina by Reliable.*



- Factory assembled and performance tested by Reliable, saving time in the field.
- A Reliable trained technician assembles each PrePak™ System.
- Reliable technicians stand behind their work, signing each PrePak they assemble.
- Each PrePak™ System passes Reliable's rigorous performance testing.



Visit reliablesprinkler.com/prepak
for more about PrePak™ Systems

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