



TECHNICAL BULLETIN

VIKING MODEL VXD PRETRIMMED RISERS (PTR)

The Viking Corporation, 210 N Industrial Park Drive, Hastings MI 49058

Telephone: 269-945-9501 Technical Services: 877-384-5464 Fax: 269-818-1680 Email: techsvcs@vikingcorp.com

Visit the Viking website for the latest edition of this technical data page www.vikinggroupinc.com

1. DESCRIPTION

The Viking Model VXD Preaction Systems* are now available as Pre-Trimmed Riser (PTR) systems. The PTR systems are pre-assembled and ready to install. These systems include the following common components needed for preaction systems (if applicable):

- Riser check valve
- Pneumatic actuator
- Release solenoid
- Water flow switch
- Air supervisory switch
- Guages and valves
- Water supply control valve
- Fully assembled trim with drain manifolds and hoses

*Limited availability of sizes and system types; see below.



2. LISTINGS AND APPROVALS



cULus Listed - Categories VLFT and VLFT7



FM Approved

3. AVAILABLE SIZES AND CONFIGURATIONS

The following system types and sizes are available (limited) for purchase. Please contact Viking for pricing and availability.

TABLE 1: ORDERING INFORMATION

Nominal Size	System Type			
	Deluge with Electric Release	Single Interlock Preaction with Electric Release	Double Interlock with Electric/Pneumatic Release	Double Interlock with Electric/Pneu-Lectric Release
1½	24883	24887	24891	24887
2	24893	24897	24901	24897
2½"	25464	25466	25468	25466
3"	25396	25398	25400	25398
4"	25411	25413	25415	25413
6"	25437	25439	25441	25439
8"	25497	25499	25501	25499

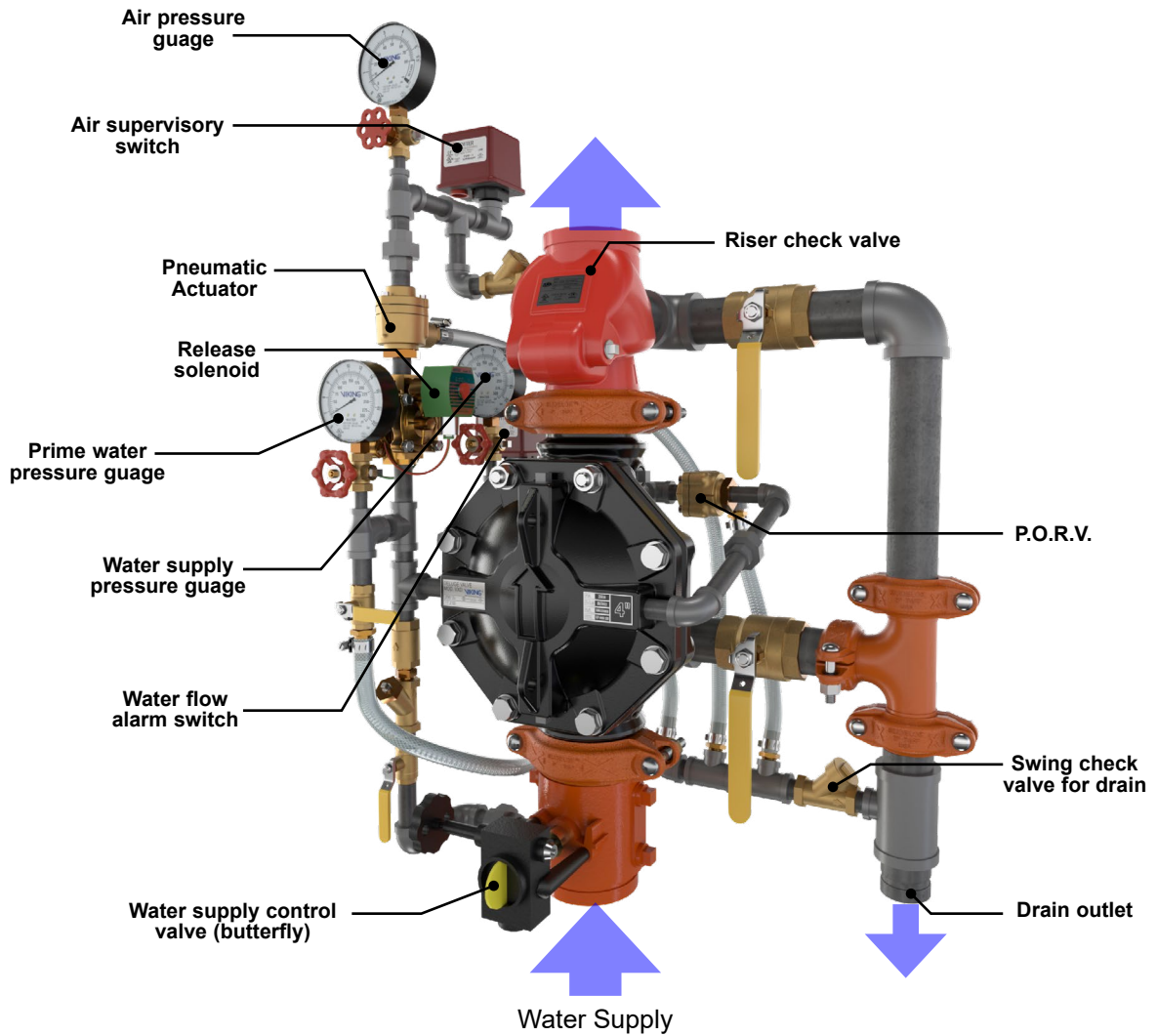


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4. COMPONENT IDENTIFICATION



**Figure 1: System Components
4" Double Interlock Preaction System with
Electric Pneumatic Release Shown**



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5. DIMENSIONS

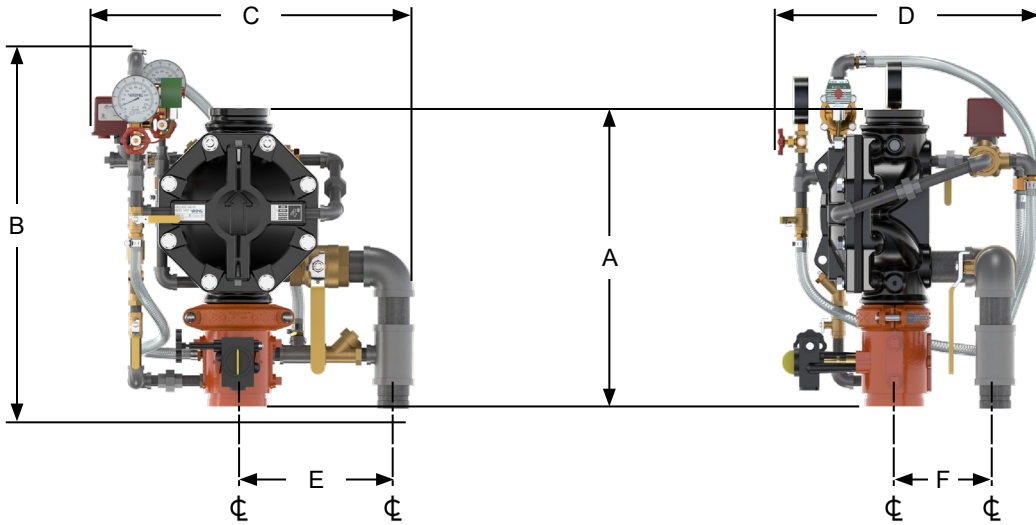


Figure 2: Dimensions
4" Deluge System with Electric Release Shown
Not to scale. All dimensions are approximate.

TABLE 2: DIMENSIONS FOR DELUGE SYSTEM WITH ELECTRIC RELEASE							
System Type	Nominal Size	A (Takeout)	B	C	D	E	F
Deluge with Electric Release	1½"	13 ³ / ₈ "	22 ¹ / ₈ "	18 ¹ / ₈ "	17"	5 ³ / ₄ "	3"
	2"	14 ⁵ / ₈ "	21 ¹ / ₈ "	17 ¹ / ₄ "	16 ¹ / ₈ "	5 ³ / ₄ "	3 ¹ / ₄ "
	2½"	14"	22 ¹ / ₄ "	20 ¹ / ₄ "	19 ¹ / ₄ "	8 ⁵ / ₈ "	5 ³ / ₄ "
	3"	19 ¹ / ₈ "	23 ¹ / ₂ "	21 ¹ / ₄ "	20 ¹ / ₂ "	8 ⁵ / ₈ "	6"
	4"	22 ¹ / ₈ "	26 ⁵ / ₈ "	24 ¹ / ₂ "	19 ⁷ / ₈ "	11 ⁵ / ₈ "	7 ¹ / ₂ "
	6"	25 ¹ / ₄ "	29 ⁵ / ₈ "	21 ¹ / ₈ "	21 ¹ / ₈ "	11 ¹ / ₈ "	7 ¹ / ₂ "
	8"	30 ¹ / ₄ "	33 ⁷ / ₈ "	27 ¹ / ₈ "	24 ¹ / ₂ "	8 ³ / ₄ "	11"



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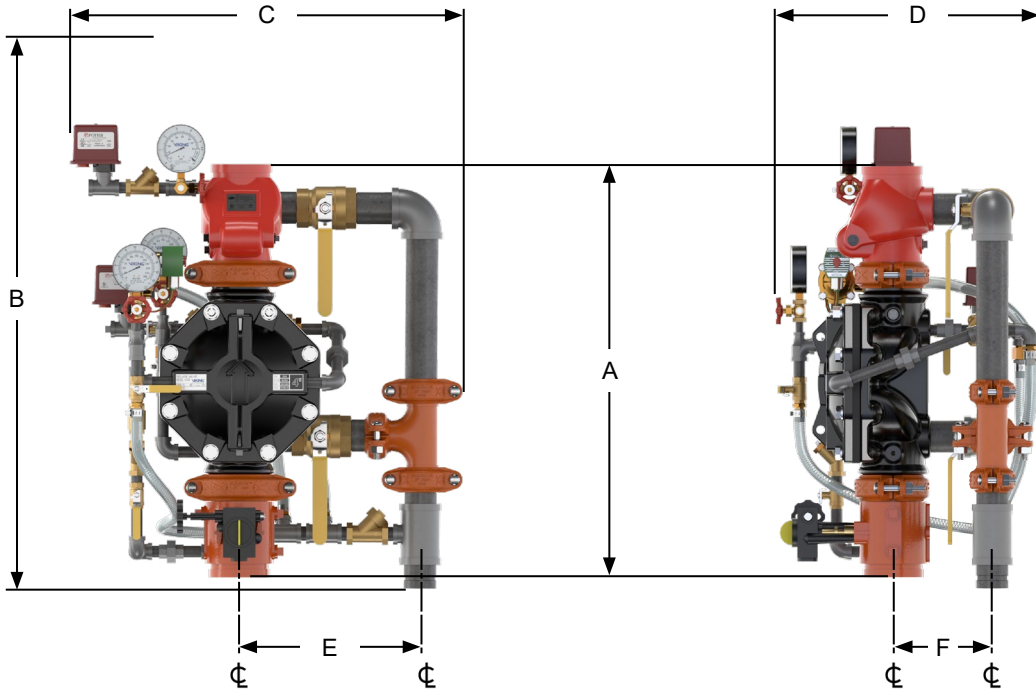


Figure 3: Dimensions

4" Single Interlock Preaction System with Electric Release Shown

Not to scale. All dimensions are approximate.

TABLE 3: DIMENSIONS FOR SINGLE INTERLOCK PREACTION SYSTEMS

System Type	Nominal Size	A (Takeout)	B	C	D	E	F
Single Interlock with Electric Release	1½"	19 ³ / ₈ "	27 ³ / ₈ "	22 ³ / ₈ "	17"	9 ⁷ / ₈ "	2 ³ / ₄ "
	2"	21 ¹ / ₄ "	26 ⁷ / ₈ "	21 ⁵ / ₈ "	16 ¹ / ₈ "	10 ¹ / ₄ "	3 ¹ / ₄ "
	2½"	25 ⁵ / ₈ "	28 ⁵ / ₈ "	24 ⁵ / ₈ "	19 ¹ / ₄ "	10 ¹ / ₈ "	5 ³ / ₄ "
	3"	26 ⁷ / ₈ "	30 ¹ / ₄ "	23 ³ / ₈ "	20 ¹ / ₂ "	10 ¹ / ₈ "	6 ¹ / ₈ "
	4"	30 ³ / ₈ "	34 ⁵ / ₈ "	28 ⁵ / ₈ "	20 ¹ / ₈ "	13 ¹ / ₈ "	7 ¹ / ₂ "
	6"	38"	41 ¹ / ₄ "	29 ¹ / ₄ "	21 ⁷ / ₈ "	12 ⁵ / ₈ "	7 ¹ / ₂ "
	8"	45"	48"	22 ¹ / ₄ "	22 ¹ / ₂ "	14 ¹ / ₈ "	8 ⁵ / ₈ "



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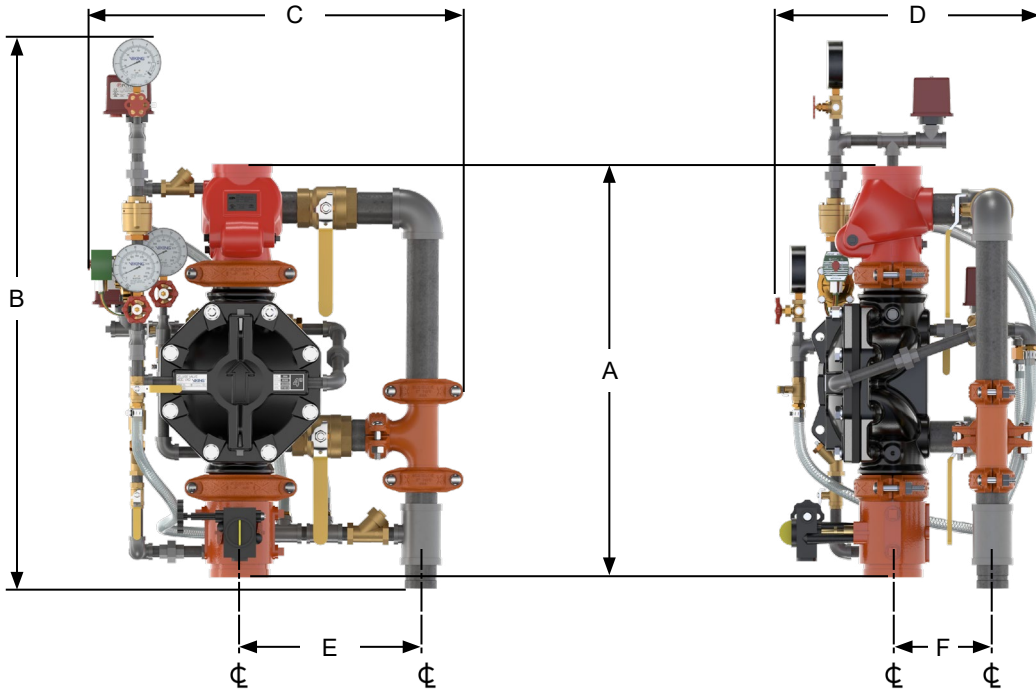


Figure 4: Dimensions

4" Double Interlock Preaction System with Electric Pneumatic Release Shown

Not to scale. All dimensions are approximate.

TABLE 4: DIMENSIONS FOR DOUBLE INTERLOCK PREACTION SYSTEMS

System Type	Nominal Size	A (Takeout)	B	C	D	E	F
Double Interlock with Electric/ Pneumatic Release	1½"	19 ³ / ₈ "	27 ³ / ₄ "	21 ¹ / ₂ "	17"	9 ⁷ / ₈ "	3"
	2"	21 ¹ / ₄ "	27 ¹ / ₂ "	21 ⁵ / ₈ "	17"	10 ¹ / ₄ "	3 ¹ / ₄ "
	2½"	25 ¹ / ₄ "	30 ⁵ / ₈ "	23 ³ / ₄ "	19 ¹ / ₄ "	10 ¹ / ₈ "	5 ³ / ₄ "
	3"	26 ⁷ / ₈ "	32 ⁷ / ₈ "	23 ³ / ₈ "	20 ¹ / ₂ "	10 ¹ / ₈ "	6 ¹ / ₈ "
	4"	30 ³ / ₈ "	40 ¹ / ₂ "	27 ¹ / ₄ "	20"	13 ³ / ₄ "	7 ³ / ₈ "
	6"	38"	43 ⁵ / ₈ "	27 ³ / ₄ "	21 ⁷ / ₈ "	12 ⁵ / ₈ "	7 ⁵ / ₈ "
	8"	45"	47 ⁵ / ₈ "	30"	24 ¹ / ₂ "	13"	8 ⁵ / ₈ "
Double Interlock with Electric/ Pneu-Lectric Release	1½"	19 ³ / ₈ "	27 ³ / ₈ "	22 ³ / ₈ "	17"	9 ⁷ / ₈ "	2 ³ / ₄ "
	2"	21 ¹ / ₄ "	26 ⁷ / ₈ "	21 ⁵ / ₈ "	16 ¹ / ₈ "	10 ¹ / ₄ "	3 ¹ / ₄ "
	2½"	25 ⁵ / ₈ "	28 ⁵ / ₈ "	24 ⁵ / ₈ "	19 ¹ / ₄ "	10 ¹ / ₈ "	5 ³ / ₄ "
	3"	26 ⁷ / ₈ "	30 ¹ / ₄ "	23 ³ / ₈ "	20 ¹ / ₂ "	10 ¹ / ₈ "	6 ¹ / ₈ "
	4"	30 ³ / ₈ "	34 ⁵ / ₈ "	28 ⁵ / ₈ "	20 ¹ / ₈ "	13 ¹ / ₈ "	7 ¹ / ₂ "
	6"	38"	41 ¹ / ₄ "	29 ¹ / ₄ "	21 ⁷ / ₈ "	12 ⁵ / ₈ "	7 ¹ / ₂ "
	8"	45"	48"	22 ¹ / ₄ "	22 ¹ / ₂ "	14 ¹ / ₈ "	8 ⁵ / ₈ "