



TECHNICAL DATA




J-1 WET ALARM VALVE WITH EUROTTRIM FOR UL-FM MARKET

Viking SA, Zone Industrielle Haneboesch, L-4562 Differdange/Niedercorn, Luxembourg
 Telephone: +352-58-37-37-1 Fax: +352-58-37-36 Email: vikinglux@vikingcorp.com

1. DESCRIPTION

The Viking Model J-1 Alarm Check Valve serves as a check valve by trapping pressurized water above the clapper and preventing reverse flow from sprinkler piping. The valve is designed to initiate an alarm during a sustained flow of water (such as the flow required by an open sprinkler) by operating an optional water motor alarm and/or alarm pressure switch. The valve is made suitable for use on variable pressure water supplies by adding the optional retard chamber to the standard trim.

2. LISTINGS AND APPROVALS

-  **cULus Listed**
-  **FM Approved**
-  **CE Certified**



3. ORDERING INFORMATION

To order a Viking Eurotrim follow our three step selection process:

		TABLE 1: VALVE SIZES AND END CONNECTIONS					
		End Connections	End Connection Types	3"	4"	6"	
				DN80 89 mm	DN100 114 mm	DN150 165 mm 168 mm	
Step 1: Base Valve & Trim	Flange-Flange	ANSI	ET08235	ET08238	ET08241		ET08244
		PN10	ET09108	ET09109			ET09111
		PN16					ET12388
	Flange-Groove	ANSI	ET08236	ET08239	--	ET08242	ET08245
		PN10	ET09535	ET09536	--		ET09877
		PN16			ET12389		
	Groove-Groove	--	ET08237	ET08240	ET09405	ET08243	ET08246



		TABLE 2: ALARM TRIM	
		Part Number	Approval Type
Step 2: Alarm Trim		19420	UL-FM Market

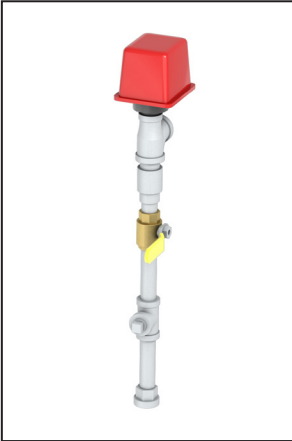
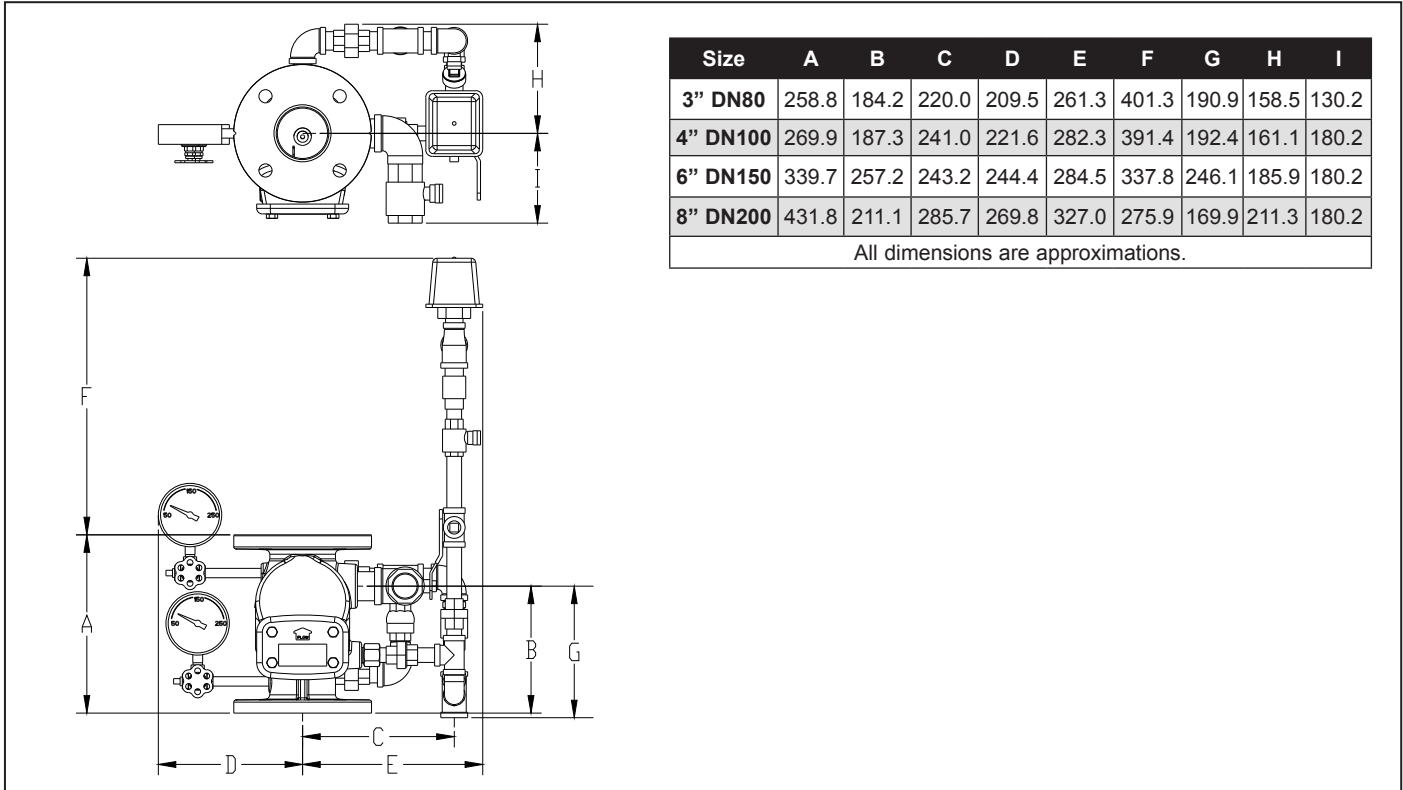


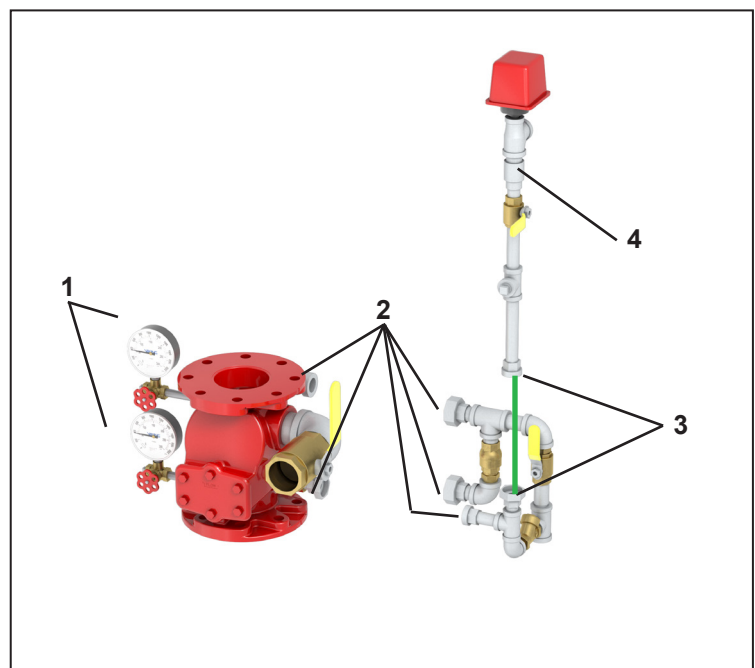
		TABLE 3: OPTIONAL COMPONENTS	
		Part Number	Component
Step 3: Optional Components		05904B	Retard Chamber
		880214	Monitoring Switch for Alarm Line Ball Valve
		8121960050	Bracket for Monitoring Switch

VIKING[®]**TECHNICAL DATA****J-1 WET ALARM VALVE
WITH EUROTRIM FOR
UL-FM MARKET**

Viking SA, Zone Industrielle Haneboesch, L-4562 Differdange/Niedercorn, Luxembourg
 Telephone: +352-58-37-37-1 Fax: +352-58-37-36 Email: vikinglux@vikingcorp.com

4. DIMENSIONS**5. MOUNTING INSTRUCTIONS**

1. Attach the gauges and their spigots to the valve (1)
2. Attach the base trim to the valve by tightening the three unions (2)
3. Attach the alarm trim to the base trim by tightening the union (3)
4. If a retard chamber is required the remove the $\frac{1}{2}$ " x $\frac{3}{4}$ " reducer from the alarm line (4) and insert the retard chamber. The reducer has been installed with PTFE tape to allow for easy removal.





TECHNICAL DATA

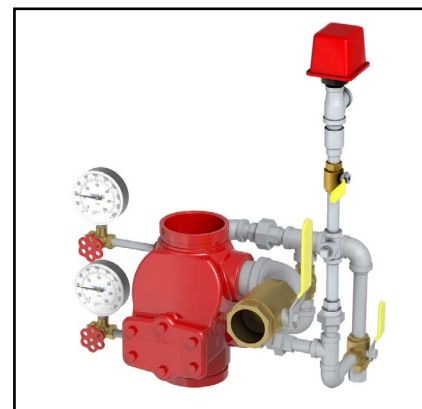
J-1 WET ALARM VALVE WITH EUROTRIM DIRECT FOR UL-FM MARKET

Viking SA, Z.I. Haneboesch, L-4562 Differdange/Nieder Korn, Luxembourg
 Telephone: +352 58 37 37 1 Fax: +352 58 37 36 Email: vikinglux@viking-emea.com
 Visit the Viking website for the latest edition of this technical data page: www.viking-emea.com

1. DESCRIPTION

The Viking Model J-1 Alarm Check Valve serves as a check valve by trapping pressurized water above the clapper and preventing reverse flow from sprinkler piping. The valve is designed to initiate an alarm during a sustained flow of water (such as the flow required by an open sprinkler) by operating an optional water motor alarm and/or alarm pressure switch. The valve is made suitable for use on variable pressure water supplies by adding the optional retard chamber to the standard trim.

The Viking EuroTrim Direct allows for the regular alarm test to be performed without the need to release water from the system by diverting system water directly to the valve alarm line.



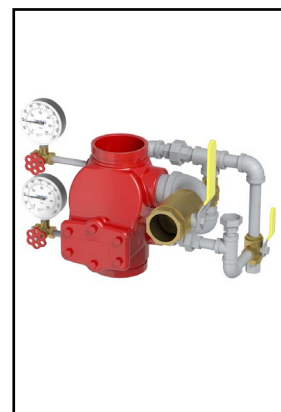
2. LISTINGS AND APPROVALS



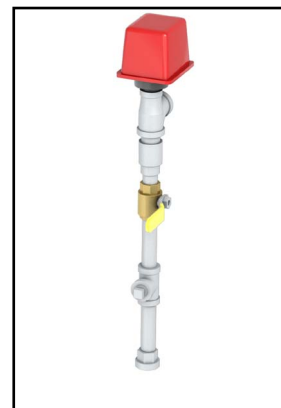
3. ORDERING INFORMATION

To order a Viking Eurotrim follow our three step selection process:

Step 1: Base Valve and Trim	TABLE 1: VALVE SIZES AND END CONNECTIONS						
	End Connections	End Connection Types	3" DN80 89 mm	4" DN100 114 mm	6" DN150		8" DN200 219 mm
					165 mm	168 mm	
Flange-Flange	ANSI	ETD08235	ETD08238	ETD08241		ETD08244	
	PN10	ETD09108	ETD09109	ETD09110		ETD09111	
	PN16					ETD12388	
Flange-Groove	ANSI	ETD08236	ETD08239	--	ETD08242	ETD08245	
	PN10	ETD09535	ETD09536	--	ETD09874	ETD09877	
	PN16					ETD12389	
Groove-Groove	--	ETD08237	ETD08240	ETD09405	ETD08243	ETD08246	



Step 2: Alarm Trim	TABLE 2: ALARM TRIM	
	Part Number	Approval Type
	19420	UL-FM Market



Step 3: Optional Components	TABLE 3: OPTIONAL COMPONENTS	
	Part Number	Component
	05904B	Retard Chamber
	880214	Monitoring Switch for Alarm Line Ball Valve
8121960050	Bracket for Monitoring Switch	

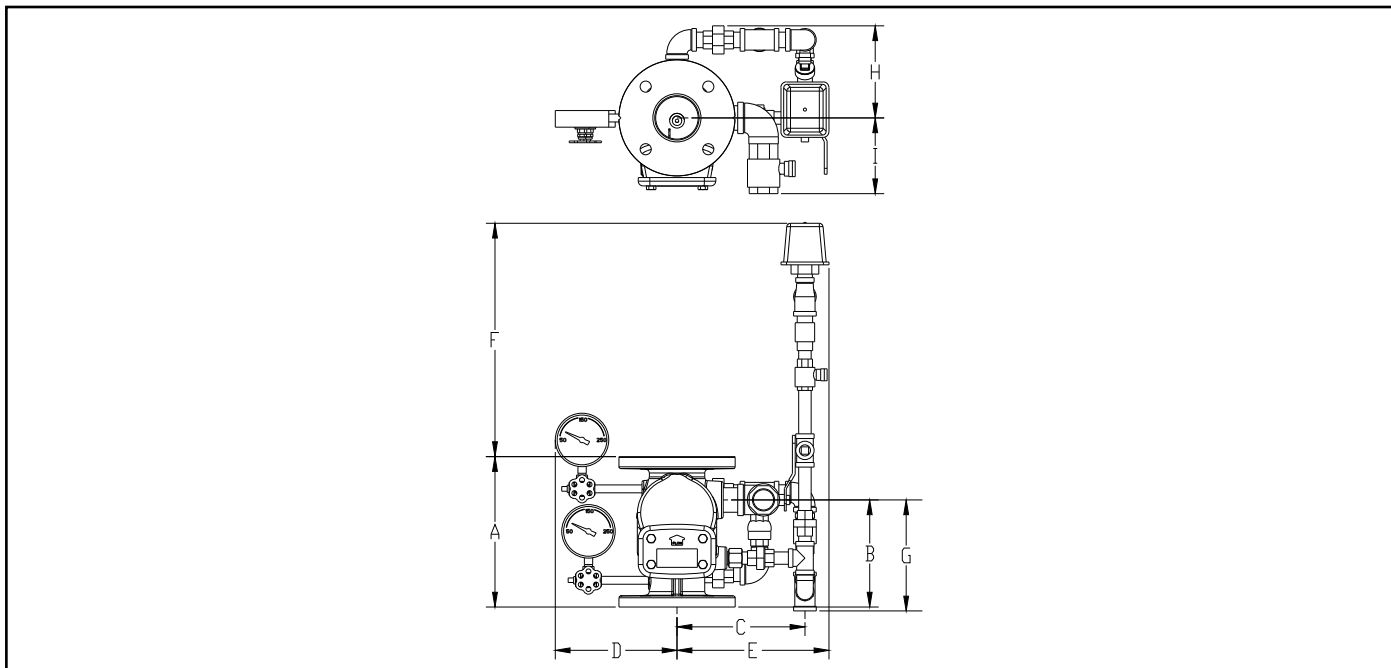


TECHNICAL DATA

**J-1 WET ALARM VALVE
WITH EUROTRIM DIRECT
FOR UL-FM MARKET**

Viking SA, Z.I. Haneboesch, L-4562 Differdange/Nieder Korn, Luxembourg
 Telephone: +352 58 37 37 1 Fax: +352 58 37 36 Email: vikinglux@viking-emea.com
 Visit the Viking website for the latest edition of this technical data page: www.viking-emea.com

4. DIMENSIONS

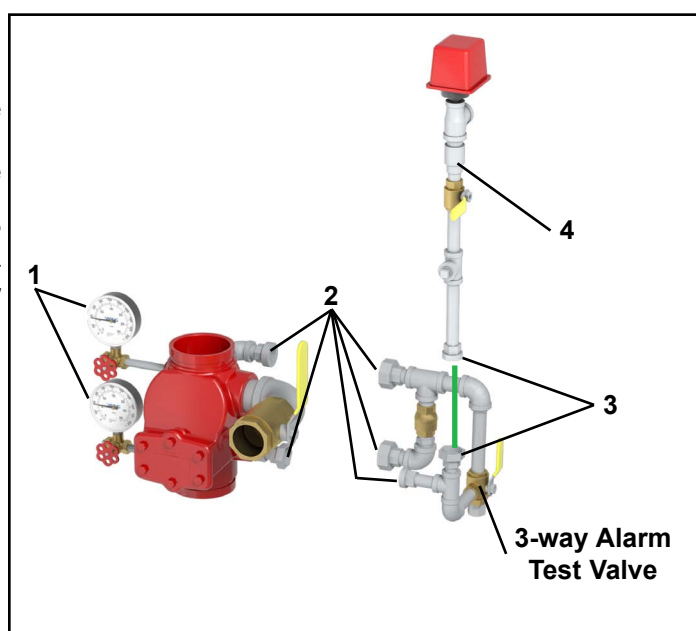


Size	A	B	C	D	E	F	G	H	I
3" DN80	258.8	184.2	220.0	209.5	261.3	401.3	190.9	158.5	130.2
4" DN100	269.9	187.3	241.0	221.6	282.3	391.4	192.4	161.1	180.2
6" DN150	339.7	257.2	243.2	244.4	284.5	337.8	246.1	185.9	180.2
8" DN200	431.8	211.1	285.7	269.8	327.0	275.9	169.9	211.3	180.2

All dimensions are approximations.

5. MOUNTING INSTRUCTIONS

- 1) Attach the gauges and their spigots to the valve (1)
- 2) Attach the base trim to the valve by tightening the three unions (2)
- 3) Attach the alarm trim to the base trim by tightening the union (3)
- 4) If a retard chamber is required the remove the 1/2" x 3/4" reducer from the alarm line (4) and insert the retard chamber. The reducer has been installed with PTFE tape to allow for easy removal.



Introducción

EuroTrim Direct utiliza la misma válvula y el mismo trim de alarma que el EuroTrim estándar. Solo hay cambios en el trim base.



La configuración del trim permite probar la línea de alarma haciendo fluir por el presostato de alarma agua tomada DIRECTAMENTE aguas arriba de la válvula de alarma. Esto permite ahorrar agua con respecto al EuroTrim estándar en el cual el agua fluye a través de la línea de alarma hacia el drenaje.

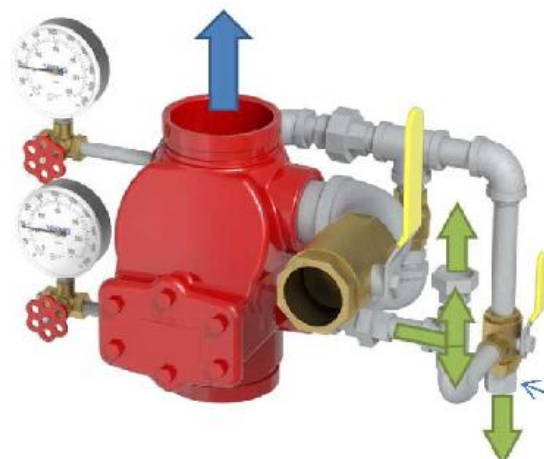
Explicación en detalle



Válvula de 3 vías

1.- La válvula de 3 vías tiene dos posiciones:

- A. ABIERTA.- con la palanca orientada hacia arriba
- B. PRUEBA.- Con la palanca horizontal orientada hacia el frente de la válvula



Orificio restricción

2.- Cuando la válvula está en posición ABIERTA, el conjunto está en situación normal. En caso de alarma, la válvula J-1 se abriría y el agua entraría en la línea de alarma

3.- La línea de alarma envía agua al Presostato de alarma PS10. Una pequeña cantidad de agua fluye por la válvula de 3-vías que actúa como drenaje de la línea de alarma

El orificio de restricción reduce la cantidad de agua que se drena



4.- Cuando la válvula está en posición PRUEBA, el agua se toma aguas arriba del bypass y envía DIRECTAMENTE a la línea de alarma y al presostato de alarma PS10

5.- No fluye agua por el drenaje

6.- La línea de alarma se drena cuando la válvula de 3-vías se coloca de nuevo en la posición ABIERTA que actúa como drenaje de la línea de alarma