



# TECHNICAL DATA




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

**Viking SA, Zone Industrielle Haneboesch, L-4562 Differdange/Niedercorn, Luxembourg**  
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**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

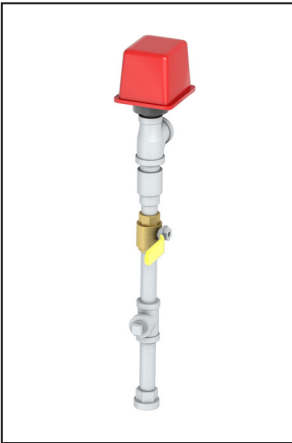


		TABLE 3: OPTIONAL COMPONENTS	
		Part Number	Component
Step 3: Optional Components		05904B	Retard Chamber
		880214	Monitoring Switch for Alarm Line Ball Valve
		8121960050	Bracket for Monitoring Switch

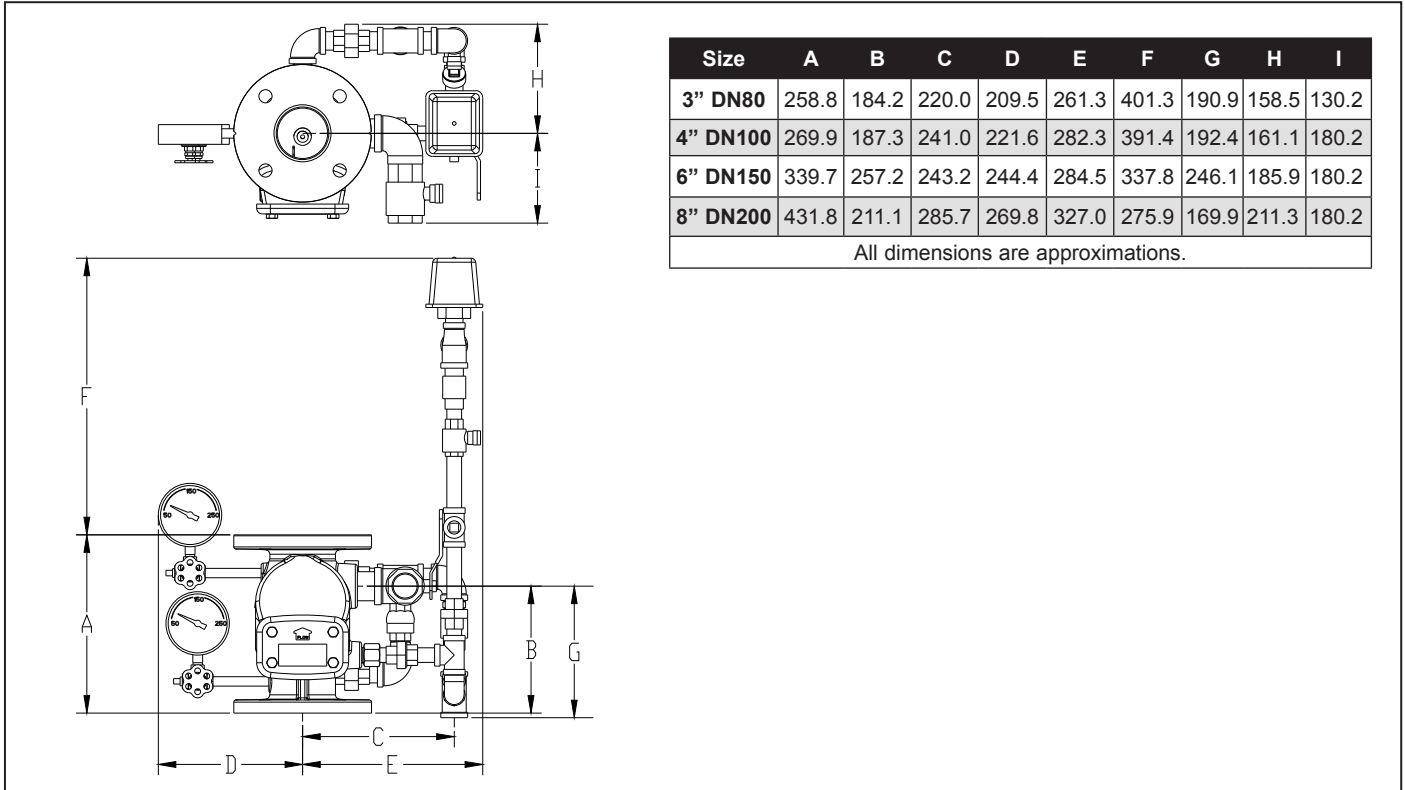


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#### 4. DIMENSIONS



#### 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.

