VANE TYPE WATER FLOW DETECTOR WITH RETARD

Fig No.: WFD-V

DESCRIPTION

The WFD-V is a vane type water flow detector for use on fire protection and wet sprinkler system. It is suitable for use with Schedule 10 through 40 steel pipe of 2" to 8", and can be installed in vertical or horizontal pipe. The detectors shall have a sensitivity in the range of 4 to 10 gallons per minute, and a service pressure up to 450psi. WFD-V will respond to water flow in the specified direction after preset time delay that is adjustable on site.



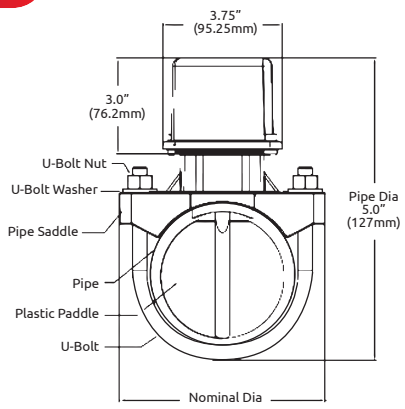
FEATURES AND SPECIFICATIONS

- Conforms to FM1042-2016 & UL346
- Two conduit opening of ½". One open; one knock-out type
- Sensitivity Range : 4 ... 10 usgpm
- Contact Rating : Two sets of SPDT (Form C)10Amps (125/250 VAC) / 2Amps (24 VDC)
- Enclosure Rating : NEMA 4- suitable for indoor / outdoor
- Compatible Pipe : Steel pipe, Schedule 10 through 40
- Special tamper screws to prevent disassembly
- Maximum Surge : 5.5m/s
- Time delay adjustment via rotating dial
- Two sets Micro-switch, 100% synchronization
- Working pressure : Max. 31bar / 450psi
- Working temperature : 4.5°C ... 49°C
- Available in aluminium or ABS casing

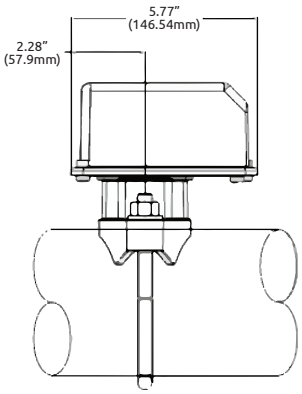
ORDERING MODEL AND SIZE

MODEL	DESCRIPTION	PIPE SIZE	PIPE DIAMETER	HOLE SIZE
WFD-V-2	Vane Type Water Flow Detector	50mm (2")	60.33mm (2.375")	31.8mm (1¼")
WFD-V-2½	Vane Type Water Flow Detector	65mm (2.5")	73.03mm (2.875")	31.8mm (1¼")
WFD-V-3	Vane Type Water Flow Detector	80mm (3")	88.90mm (3.500")	50.8mm (2")
WFD-V-4	Vane Type Water Flow Detector	100mm (4")	114.30mm (4.500")	50.8mm (2")
WFD-V-6	Vane Type Water Flow Detector	150mm (6")	168.28mm (6.625")	50.8mm (2")
WFD-V-8	Vane Type Water Flow Detector	200mm (8")	219.08mm (8.625")	50.8mm (2")

DIMENSION



Nominal Dia 5.15" (130.8mm) for 2" ... 2½" (DN50 ... DN65)
Nominal Dia 2.05" (52.1mm) + Pipe Dia for 3" ... 8" (DN80 ... DN200)



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