



“Rowe Master Intake “FLOW DEMAND VALVE”

What is it and Why should I use it??

What is it?

The “Flow Demand Valve” is a device designed to control inlet pressure to a pump without interfering with the flow (GPM) of water.

The “Flow Demand Valve” comes in various sizes, the FDV-250 (2 ½”) for the pony suction, the FDV-500 with flows of 500 GPM’s attaching to the pump steamer, the FDV - 1250 with flows up to 1250 GPM’s attaching to the pumps steamer, also the FDV - 1750 unit with flows of 2000 GPM and higher, mounted on the pump steamer.

Why should I use it?

1 - The Rowe Master Intake Flow Demand Valve reduces the supply hydrant water pressure to the apparatus intake over the full range of flows as required by the apparatus without limiting the volume (GPM) available as needed. This eliminates need for operating off the tank, or the constant monitoring and gating of intake valve.

With the lower intake pressure it permits increased engine RPM for CAFS operation, and provide a differential of pressure for around the pump proportioning system, or for relay pumping.

2 - The intake pressure will vary with changes in residual hydrant pressure and flow volumes with a resulting increase or decrease in engine RPM by the pressure governor as normal operation.

3 - The Flow Demand Valve automatically adjust for changes in flow demand without operator attention, lessening water spikes in abrupt changes in flow with instant response to pump demands while maintaining constant lower intake pressure.

4 – Simply attach the “Flow Demand Valve” to the apparatus, connect supply line, open the “Flow Demand Valve’ to full open position and the Valve is thoroughly automatic and hands free from zero to maximum flows.

For more information about the Rowe Master Intake “Flow Demand Valve” contact

Rowe Flow Products

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