

# CB-Flow

## Life Safety Water Flow Calibration Unit

Welcome to the newest technology in Fire Pump Flow Testing ! The CB-Flow Unit provides accurate testing, simplifies testing procedures, reduce costs, increases revenue, and boosts your company image.



The CB-Flow Unit can be custom built to flow whatever you request. Unit shown above is the 2000 Series able to flow up to 3750gpm

### CB-Flow Unit

- Fire Pump Flow Testing in half the time of conventional methods
- Easy setup, just “Hook up and Flow”
- Remote Test Header allows reduction in labor costs
- Accurate testing without getting soaking wet
- Pump tests performed practically “Anywhere” including tight alleyways
- Uses a quarter of the water labeling this unit “GREEN”
- Practically maintenance free.
- Will pay for itself over a short period of time.

CB-Flow Unit by The Chesapeake Flow Company Churchton, Md. 20733

Sold by Fire System Consulting Plus, Inc.

# CB-Flow FACT SHEET

Speed of operation, precise accuracy, ease of operation, cost savings, increased revenues and environmentally enhanced.

## SPEED OF OPERATION

The CB-Flow unit is complete ready to use the moment you arrive onsite. Connect the supplied hoses to the buildings test header and start testing.

- Excessive set-up time has been eliminated.
- Area of water discharge has been reduced to the bottom of the CB-Flow unit allowing flexibility in testing in tight areas or narrow alleyways.
- Having the remote header with all flow device controls at one location allows a single operator to dial in multiple flows rapidly.

## ACCURACY

The CB-Flow unit with its unique design provides a smooth flow of water, the ability to read flow gages at one remote location and less movement in the gage thus resulting in more accurate flow test readings.

- The CB-Flow design provides a smoother flow of water resulting in less movement of the test gauge.
- Having all flow test gages at one remote location, you are able to read each gage independently reducing the overflow or underflow of water.
- The CB-Flow unit is designed to use 3 inch fire hoses. The 3 inch fire hoses provide better flow with less friction losses, especially when exceeding 50 feet of hose per nozzle.

**Note:** The design, quality and accuracy of the gages are critical when testing fire pumps. A fire pump can pass or fail depending upon the reading of a simple pitot tube. Often the gauge on the tube fluctuates and a “best guess” reading is obtained. The design of the CB-Flow unit minimizes this problem based on using acceptable gages.

- The recommended gauges used at the CB-Flow unit must be glycerin filled accurate to 1%. The range of the gauges must not exceed 0 to 60 psi.
- The recommended gauges used at the fire pump must be glycerin filled accurate to ½ %. The range of the gauges must not exceed 0 to 300 psi.

Note : Water pressure gauges are normally less accurate in the lower and upper 10 % of the scale. Using a 0-300 psi gauge is less accurate in the 0 to 30 and 270-300 psi range. With the 60 psi gauges, most readings are taken in the 10 - 35 psi range where accuracy is at its peak.

(All gages will require recalibration each year by a certified UL Listed testing laboratory)

## **EASE OF OPERATION**

The CB-Flow unit is designed for two person operation, one at the fire pump and one at the CB-Flow unit. All controls, gauges, valves, etc. are located in one place. The CB-Flow unit has been designed where any one person who is mechanically inclined can operate this unit.

- One day of “on the job experience” is all the training needed for new operators
- No special qualifications, certifications or training is required to operate the CB-Flow unit.
- Operator should be capable of operating a vehicle with a trailer attached, be able to read and record pressure gauge readings and handle three inch diameter rubber lined hose.

## **COST SAVINGS & INCREASED REVENUES**

The CB-Flow unit has been designed not only to provide accurate testing results, it also allows you to schedule more fire pump testing in a single day.

- The CB-Flow unit requires two persons to run a complete test. The third person is no longer needed.
- The person operating the CB-Flow unit does not have to be experienced in fire pump testing. Only trained in the proper procedures in operating fire hoses, dialing in and recording readings. Therefore, a low dollar per hour helper can perform this test.
- The estimated cost savings on eliminating (1) employee with a total cost of \$30.00 per hour (*including tax, insurance, workman compensation, travel time etc.*) is estimated at 2 hours saving you \$60.00 per test.
- Increasing fire pump testing in a single day (*estimated from 3 to 4 tests per day to 6 to 7 tests per day*). Based on charging a customer \$750.00 per test, your gross income could increase by \$2,250.00 per day. Also, being able to schedule more fire pump tests in a single day, your technicians can work on other projects making you additional revenue.

If you have at least 50 fire pump tests scheduled in a single year, this unit could pay for itself in approximately 3 to 5 years. The more tests you do, the more money you can save and the quicker the CB-Flow unit pays for itself.

## **ENVIRONMENTALLY FRIENDLY**

Uses less water because of the ease of operation and centrality of operations, water is flowing for only about 1/4 of the time. This means:

- Significantly less water is wasted
- The job is completed in less time
- The operator is not exposed to water or water spray, increasing the temperature extremes in which the pumps can be tested.
- Damage to parking lots, landscaping, etc. is minimized.

**YOUR CB-Flow STANDARD UNIT INCLUDES** (As advertised in picture)

- 1- Easy Flow unit including fixed trailer with 2 5/16 inch ball hitch
- 2- Heavy duty axel with steel belted 8-ply heavy duty tires
- 3- Electric brakes rough in (*not required but provided on stock axel*)
- 4- Hydro flow Pitotless Nozzles 7-1 3/4 inch and 1-1 1/8 inch (*customer requested nozzle sizes*).
- 5- Brass 2 1/2 inch hose valves
- 6- Quick connect gage couplings (both female and male ends)
- 7- Pitot tube bleed off 1/4 inch brass valves
- 8- Front of trailer hose rack
- 9- Operational training and safety video

**YOUR "Ready to Go" OPTIONS INCLUDE** (At an additional cost)

- 1- Calibrated water gages. 8 – 0-60psi 1% accuracy 4 inch face UL Listed glycerin filled
- 2- Protective foam gage case
- 3- Electric brake wiring harness (*if requested*)
- 4- 8 lengths of 3 inch diameter 50 foot hose custom made (*female x female*)
- 5- 8 lengths of 3 inch diameter 25 foot hose custom made (*female x female*)
- 6- Easy Flow storage cover (*For storage only. Not intended for travel*)