

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

SPEED OF OPERATION

The CB-Flow unit is complete ready to use the moment you arrive on site. Connect the fire 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 gauges at one remote location and less movement in the gauge, 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 gauges 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 gauges 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 gauges.

- The recommended gauges used with 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 gauges 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 person at the fire pump and one person at the calibration 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 it.

- 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 apprentice can perform this test.
- The estimated cost savings on eliminating one (1) employee with a total cost of \$50 per hour (*including tax, insurance, workman compensation, travel time etc.*) is estimated at two (2) hours saving you \$100 or more 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 \$850 per test, your gross income could increase by \$2,550 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 will pay 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
- Prevents damage to parking lots, landscaping, etc.

YOUR CB-Flow Unit 2000 Series INCLUDES (As advertised in picture)

1. CB-Flow unit including fixed trailer with 2-5/16-inch ball hitch
2. Heavy duty axle with steel belted 8-ply heavy duty tires
3. Electric brakes rough in (*not required but provided on stock axle*)
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 gauge 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. CB-Flow storage cover (*For storage only. Not intended for travel*)