

FOCUSED PUMP REFERENCE

WICK 100-4H

Ultra-lightweight 4-stroke fire pump

Portable single-stage wildland pump with a useful balance of pressure, flow and very low carrying weight.



MANUFACTURER MAXIMUM PRESSURE

100 PSI

MANUFACTURER MAXIMUM FREE FLOW

69 GPM

COMMON HOMEOWNER SYSTEM PRESSURE

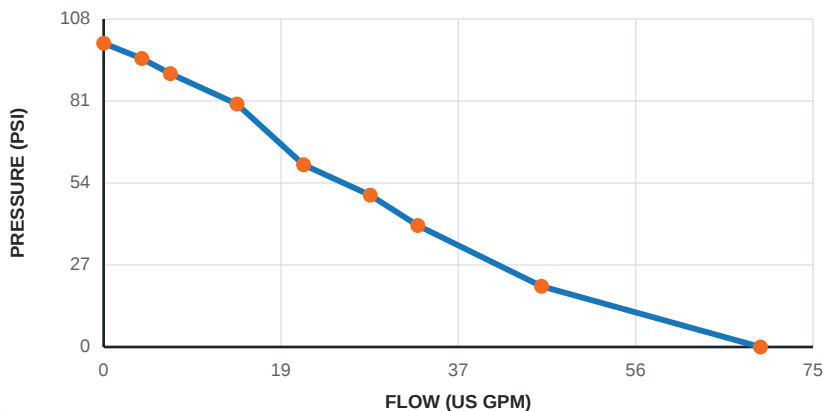
80 PSI

Typical structure-protection planning target

ESTIMATED FLOW AT 80 PSI

14 GPM

FLOW VS. PRESSURE REFERENCE



PUBLISHED / REFERENCE OPERATING POINTS

69 GPM @ 0 PSI | 46 GPM @ 20 PSI | 33 GPM @ 40 PSI | 28 GPM @ 50 PSI | 21 GPM @ 60 PSI | 14 GPM @ 80 PSI | 7 GPM @ 90 PSI | 4 GPM @ 95 PSI | 0 GPM @ 100 PSI

KEY SPECIFICATIONS

- ENGINE**
✓ Honda GXH50 4-stroke
- PUMP END**
✓ Single-stage centrifugal
- INTAKE**
✓ 1.5-inch NPSH
- MAIN DISCHARGE**
✓ 1.5-inch NPSH
- OTHER DISCHARGE PORTS**
✓ None listed by the manufacturer
- PUBLISHED SIZE / WEIGHT**
✓ 14 x 11 x 16 inches; 20.2 lb dry

HOW TO USE THE 80 PSI PLANNING REFERENCE

STATUS: PLANNING REFERENCE

80 PSI at the pump is a useful homeowner-system planning target. Field-test flowing pressure and verify the complete installed system. Hose friction, elevation and fittings reduce pressure at the sprinklers; long runs and high lifts may require a higher-pressure pump. The curve points are simplified from the manufacturer performance graph for planning reference.

MANUFACTURER SOURCE

https://www.nationalfire.com/media/product_files/WICK_100-4H_4_STROKE_FIRE_PUMP-0520.pdf