

**FLAMAN**

250 GALLON UNIT  
COMING SOON

# ULTRA HIGH PRESSURE QR150UHP



150 GAL NFPA CERTIFIED TANK

LIQUID FOAM INJECTION

CAT PUMP

HONDA GX390 ENGINE WITH  
ELECTRIC START

10GPM @ 1200 PSI

INDUSTRIAL ELECTRIC COX REEL

DUAL STRIKE FOAM NOZZLE

FRC WATER AND FOAM GAUGES

100' of 1/2" HOSE

*Fits in your truck deck.*

## UHP VS STANDARD OR HIGH PRESSURE PUMPS

One of the largest differences between UHP and Standard or HP pumps is the spray. UHP units atomize water into extremely small droplets, where other units spray streams or larger droplets. The fine mist absorbs heat quickly, turns to steam and displaces oxygen. UHP units also deliver 1200 PSI, while standard or HP pumps range from 33 to 100 PSI.

Why is the difference in spray important? **The massive heat absorption.** Water absorbs heat as it turns into steam. 1 gal of water is equal to 1,600 gal of steam when vapourized. The fine droplets or mist from UHP units cover more surface area, effectively smothering the fire. UHP units also offer greater penetration and longer reach, which is crucial to punch through brush, thatch debris and small structural voids. Lastly, the UHP unit has the added use of foam. Cat Pumps Ultra-High Pressure (UHP) fire suppression systems utilize specialized foam induction technology to mix foam concentrate with water, improving firefighting efficiency up to **6 times while reducing water consumption by 75%** compared to standard systems. All units have their place, but the Ultra High Pressure models are the first choice for initial attacks and grass, vehicle, or small structure fires.

	UHP	CONVENTIONAL
WATER USE	VERY LOW	VERY HIGH
DROPLET SIZE	EXTREMELY FINE MIST	LARGE DROPLETS / STEAM
COOLING EFFICIENCY	VERY HIGH PER GALLON OF WATER	MODERATE
KNOCK-DOWN EFFICIENCY	FAST ON SMALL / MEDIUM FIRES	FAST ON LARGE FIRES
PENETRATION	EXCELLENT	LIMITED
REACH	GOOD (HIGH VELOCITY)	GOOD (MASS FLOW)
DURATION W/ SMALL TANK	LONG	SHORT
BEST FOR	INITIAL ATTACKS, GRASS, VEHICLE, SMALL STRUCTURE	LARGE STRUCTURE, LARGER FIRES WHEN WATER IS ABUNDANT