

Hallett™ 13 with Crossfire Technology™ Specifications

Certification	NSF/ANSI 65 Class A Certified
Flow Capacity	13.3 US gpm, 50 L/min, 3 m ³ /hr
UV Dose	66 mJ/cm ² at end of lamp life
Built-in Microprocessor	Dual smart sensors monitor UV output and water quality
Alarms	Visual & audible notification of: 1. System is working & water is safe 2. Lamp output alarm 3. Water quality alarm
Monitoring	Continuous UV transmittance feedback
Sensor Valve	Auto shut-off fail-safe valve so only safe water can enter your home's water system
Self-Cleaning	Stainless-steel wiper prevents quartz fouling
Maintenance	Automatic alarm reminder - 2 lamps - replacement required every 12 months, a simple 2 minute process
Inlet & Outlet Connections	1/2" flexible FIP connection for easy installation
Pre-Filtration	5 micron sediment filter recommended and/or carbon filter for taste and odour
Maximum Pressure	100 PSI, 690 kPa (tested to 240 PSI)
Dynamic Flow Regulator	Minimizes pressure drop
Pressure Drop	4 PSI @ 7 gpm, 27 kPa @ 26 L/min
Voltage	100/220 VAC - 100V
Electronic Ballast	Auto power regulated, protected from power fluctuations
Dry Contacts	Available for remote monitoring or auto dialers
Electrical	Intella EUL & CSA equivalent
Dimensions	24" H x 8" W x 9" D (60 cm H x 20 cm W x 23 cm D)
Warranty	3 years on all electrical components, 5 years on housing

Hallett™ System Pre-treatment Conditions

WITH CROSSFIRE TECHNOLOGY™ - NO WATER SOFTENER REQUIRED

Water Conditions	Effective Treatment Range	
	MIN	MAX
Hardness	0	50 Gdn (855 mg/L)
Iron	0	3 mg/L (ppm)
Manganese	0	0.5 mg/L
% UV Transmittance	75%	100%
pH	6.00	9.00
Total Dissolved Solids (TDS)	0	1000 mg/L
Water Temperature	1° C (34° F)	38° C (100° F)
Air Temperature	7° C (45° F)	38° C (100° F)
Turbidity	0 NTU	1 NTU
Water Pressure	10 PSI (69 kPa)	100 PSI (690 kPa)

Microbiological Drinking Water Purification Scorecard

THE HALLETT™ SYSTEM WITH CROSSFIRE TECHNOLOGY™ SCORES 10/10

	HALLETT SYSTEM	CONVENTIONAL UF	OZONE	REVERSE OSMOSIS	CHLORINATOR	SAND FILTER
Reduces incidence of water-borne illness	✓	-	-	-	-	-
NSF certified	✓	selected units	-	-	-	-
Works in high TDS	✓	-	✓	✓	✓	✓
No additive required	✓	-	✓	✓	✓	✓
Self-cleaning/wiper mechanism	✓	-	-	-	-	✓
Not hazardous to your health	✓	✓	-	✓	-	✓
Economical	✓	✓	-	-	-	-
Effective removal of all pathogens	✓	✓	-	-	-	-
Fail-safe shut-off	✓	selected units	-	-	-	-
Doesn't put contaminants back in the environment	✓	✓	✓	-	-	-
SCORE	10/10	3/10	3/10	3/10	3/10	4/10

Hallett™

13

Residential Ultraviolet Water Purification Systems

Hallett™ UV systems are the world's only NSF/ANSI 55 Class A Certified UV water purification systems with patented Crossfire Technology™. UV Pure's Hallett™ 13 for residential and commercial applications, outperforms conventional systems by delivering the most effective UV dose for disinfection of all pathogens including viruses, bacteria, cryptosporidium, giardia, legionella and E. coli.



CROSSFIRE TECHNOLOGY IS THE MOST EFFECTIVE UV TREATMENT

- NSF/ANSI 55 CLASS A CERTIFIED to 13.3 US gpm, 50 L/min, 3 m3/hr
- Highest UV Dose – proprietary high-output long-life lamps
- UV dose rate at max flow is 85 mJ/cm2 at end of lamp life
- Elliptical reflectors target and deactivate pathogens from 360°
- Lamps air-cooled – operate at most effective UV output at all times

CROSSFIRE TECHNOLOGY IS ENGINEERED TO BE RISK FREE AND FAIL-SAFE

- Dual smart UV sensors monitor both UV output and water quality
- Built-in microprocessor monitoring with both visual & audible alarm notification
- Automatic shut-off fail-safe solenoid valve – if the water is running, the water is safe

CROSSFIRE TECHNOLOGY IS SELF-CLEANING

- Automatic mechanical quartz cleaning system – quartz does not foul
- No quartz cleaning or system drainage required, so no risk of quartz breakage
- Water softening is not required, saving money and the environment

CROSSFIRE TECHNOLOGY IS VIRTUALLY MAINTENANCE FREE

- Lamps mounted in air – easy to change, no system draining required

CROSSFIRE TECHNOLOGY IS SIMPLE TO INSTALL

- Flexible stainless FIP connections for quick and simple installation
- Compact size

Find out everything, www.puresafewater.com



NSF/ANSI 55 CLASS A CERTIFIED

Pure, safe water.

UV
PURE

Always.

ULTRAVIOLET WATER PURIFICATION SYSTEMS