



SHOWVEN® FLAME SYSTEM is a hydraulic based flame effect solution for project or truss mounted installations. It consists of flame head, pump station, control box and accessories such as hoses, cables etc. It can easily achieve remote fuel supply with the pump station and no nitrogen tank needed. Any installation direction of flame heads brings endless design inspiration to event planners. In order to meet the requirements of different application scenarios we designed two pump stations (uPumper® P20 and uPumper P4) and two flame heads (uFlamer® PF10 and uFlamer® X1800).



uPumper® P20



uPumper® P4



uFlamer® PF10



uFlamer® X1800

uPumper® P20

- \ Reinforced 304 stainless steel housing
- \ Remote fuel and pressure supply
- \ Built in pump, no Nitrogen tank needed
- \ 250L extra large fuel tank
- \ Support 20 flame heads
- \ Electronic digital fuel level display
- \ Configured with pressure monitoring
- \ Intelligent solenoid valve block design ensure system pressure under control

SPECIFICATIONS

- \ DIMENSION: 1100×700×1095 mm
- \ WEIGHT: 285kg
- \ HOUSING MATERIAL: 304 stainless steel
- \ VOLTAGE: 380V
- \ WORK POWER: 6000W
- \ TANK CAPACITY: 250L
- \ PUMP OUTPUT: 110L/min
- \ MAX. SUPPORTED FLAME HEADS: 20 heads
- \ WORK TEMP.: -20 – 50°C
- \ SUPPORT FUEL: ISOPAR L
- \ COMPATIBLE FLAME HEAD: PF10, X1800



uPumper® P4

- \ Reinforced 304 stainless steel housing
- \ Remote fuel and pressure supply
- \ Built in pump, no Nitrogen tank needed
- \ 32L fuel tank
- \ Support 4 flame heads
- \ Electronic digital fuel level display
- \ Configured with pressure monitoring
- \ Fueling and pressurize function switchable

SPECIFICATIONS

- \ DIMENSION: 580×420×460mm
- \ WEIGHT: 48kg
- \ HOUSING MATERIAL: 304 stainless steel
- \ VOLTAGE: 220V/110V, 50/60Hz
- \ WORK POWER: 1800W
- \ TANK CAPACITY: 32L
- \ MAX. SUPPORTED FLAME HEADS: 4 heads
- \ PUMP OUTPUT: 15L/min
- \ SUPPORT FUEL: ISOPAR
- \ WORKING MODE: Pressurize/Fueling
- \ COMPATIBLE FLAME HEAD: PF10 / X1800 (Pressurize), uFlamer® Volcano (Fueling)



uFlamer® PF10

- \ IP67 rated waterproof for fixed outdoor installations
- \ Dual solenoid valve for extra safety
- \ Dual igniter ensure successful ignition
- \ Oxidation treated housing, durable for outdoor installation
- \ Highlight digital tube display convenient for remote debugging
- \ Aluminum CNC machining structure
- \ Built-in accumulator
- \ Infrared remote control realizes non-contact setting
- \ DMX / direct ON-OFF control customizable
- \ 220V, 110V, 24V etc. voltage customizable

SPECIFICATIONS

- \ DIMENSION: 250×200×410mm
- \ NET WEIGHT: 15kg
- \ HOUSING MATERIAL: Aluminum
- \ VOLTAGE: 220V, 110V, 24V customizable
- \ WORK POWER: 120W
- \ FLAME HEIGHT: Up to 10m
- \ FUEL: ISOPAR
- \ FUEL CONSUMPTION: 60ml/s (Nozzle M), 30ml/s (Nozzle L)
- \ IGNITION: Dual, high voltage electron ignition
- \ CONTROL: DMX, Direct ON-OFF customizable
- \ QUICK COUPLERS: ISO7241B G1/4 male
- \ WORK PRESSURE RANGE: 8-12bar
- \ Installation angles: Any direction even upside down

**uFlamer® X1800**

- \ 210° swivel angles, can be used in rain
- \ Dual solenoid valve for extra safety
- \ Dual ignitor ensure successful ignition
- \ 88 preset firing sequences, easy to operate
- \ Stainless steel housing
- \ Built-in accumulator
- \ DMX control, Support 9-60V pyro signal

SPECIFICATIONS

- \ DIMENSION: 370×380×380mm
- \ WEIGHT: 19kg
- \ HOUSING MATERIAL: 304 Stainless steel
- \ VOLTAGE: 220V, 110V
- \ WORK POWER: 260W
- \ FLAME HEIGHT: Up to 10m
- \ USAGE IN RAIN: yes
- \ QUICK COUPLERS: ISO7241B G1/4 male
- \ MIN. FIRING DURATION: 0.1s
- \ FIRING ANGLE: 210° (±105°)
- \ FUEL: ISOPAR
- \ FUEL CONSUMPTION: 60ml/s (Nozzle M), 30ml/s (Nozzle L)
- \ IGNITION: Dual, high voltage electron ignition
- \ CONTROL: DMX, 9-60V Pyro signal
- \ USAGE IN RAIN: yes
- \ WORK PRESSURE RANGE: 8-12bar
- \ INSTALLATION ANGLES: Any direction, bottom plate need protective cover (optional) to achieve waterproof function



DMX-Relay R12

DMX-Relay R12 is voltage output signal control module, it is used in DIRECT ON-OFF control mode in SHOWVEN® flame system the function is to convert the DMX signal from the master console into a voltage signal for output, and control ignition and firing of flame head through the output voltage. A unit of DMX-Relay R12 maximum support 12units of flame head. It is designed for installation in electrical cabinet.



Other Accessories

Hose

- \ High pressure steel wire braided rubber hose.
- \ Main hose is used to connect between uPumper® P20 to fuel dispenser.
- \ Branch Hose is used to connect between fuel dispenser to flame head, uPumper® P4 to flame head.



\ Main Hose 1/4 DN32



\ Branch Hose 3/8 DN10

Fuel Dispenser

- \ Fuel distribution between pump station and flame heads.



\ T-shape dispenser T 1/4-1/4-1/4



\ Fuel dispenser 1 TO 6



\ T-shape dispenser T 1/4-3/8-1/4



\ Fuel dispenser 1 TO 12