

Sundance
Water
Design

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LAMINAR FLOW NOZZLE LEAPJET/
BURSTING JUMPJET SERIES
SIX INCH (6") DIAMETER BODY
0.50 (1/2") ORIFICE
MODEL NO. LLJ-060-1/2

DESCRIPTION:

The Laminar Leapjet shoots water in a perfect stream that resembles a uniform glass rod. Streams are precisely controlled in concert by an easily programmable processor. By programming the jets to turn on and off at different intervals, an endless array of effects are achievable. Flows can vary from continuous streams to quick bursts while the flow exactly follows the parabolic path determined by the angle of the jet. The function of the leaping jet stream is achieved by the interaction of a secondary, high-pressure jet of water, which at timed intervals, permits the passage of the leaping stream.

The Bursting Jumpjet is designed to have solid-appearing rods of water that jump vertically from the assembly at chosen intervals and lengths. As the water reaches zero gravity, it mushrooms out, thus creating the action of a bursting water rod. This effect is much sought after as it can react faster than any other spray effect known.

SPECIFICATIONS:

- | | | | |
|--------------|-----------------------------------|---------------|--|
| Jet Orifice: | Stainless Steel or CPVC by option | Adjustment: | Variable (\pm) 25° from factory setting of 65° |
| Jet Body: | Machined PVC | Finish: | Natural PVC & Stainless Steel |
| Jet Switch: | Stainless Steel, 24 VDC standard | Model No.: | LLJ-060- 1/2 |
| Jet Stand: | 304 welded Stainless Steel | Shipping Wt.: | 40 lbs. (18 kg) |

PERFORMANCES & REQUIREMENTS

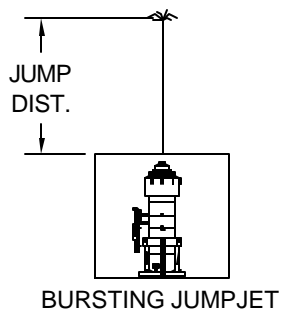
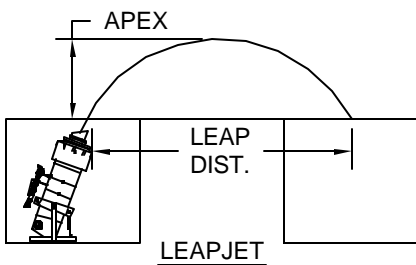
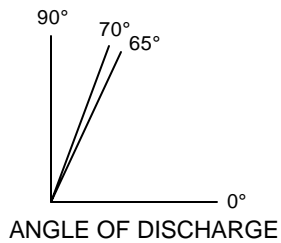
Jump Distance: To maintain Laminar flow, it is recommended to keep jump distances at 14 feet (4.3 m) or less. Main Jet requires constant flow.

Control Water Jet requires constant flow per guidelines below:

- Leaps under 6 ft = 2 US GPM x 15 psi @ 35 ft Head
- Leaps over 6 ft = 3 US GPM x 20 psi @ 46 ft Head
- Leaps over 12 ft = 4US GPM x 25 psi @ 58 ft Head

Control Water Jet requirements in metric units:

- Leaps under 2 m = 8 LPM x 1.0 kg/cm² @ 8.0 Meters Head
- Leaps over 2 m = 11 LPM x 1.5 kg/cm² @ 10.6 Meters Head
- Leaps over 4 m = 15 LPM x 2.0 kg/cm² @ 13.5 Meters Head



U.S.A.

Angle of Discharge	65°						70°						90°					
Leap/Jump Distance (ft)	4	6	8	10	12	14	4	6	8	10	12	14	4	6	8	10	12	14
Apex (Inches)	18	31	43	54	67	78	27	42	55	75	90	105	—	—	—	—	—	—
Gallons per Minute	5.5	6.5	7.5	8.5	9	10	6	7	8	9	10.5	11.5	7	7.5	8.5	9.5	10.5	11.5
Control Water (psi)	15	15	20	20	25	25	15	15	20	20	25	25	15	15	20	20	25	25

Metric

Angle of Discharge	65°						70°						90°					
Leap/Jump Distance (m)	1.2	1.8	2.4	3	3.7	4.3	1.2	1.8	2.4	3	3.7	4.3	1.2	1.8	2.4	3	3.7	4.3
Apex (m)	0.5	0.8	1.1	1.4	1.7	2.0	0.7	1.1	1.4	2.0	2.3	2.7	—	—	—	—	—	—
Liters per Minute	20.8	24.6	28.4	32.8	34.1	37.9	22.7	26.5	30.3	34.1	39.7	43.5	26.5	28.4	32.8	36.0	39.7	43.5
Control Water (kg/cm ²)	1.1	1.1	1.4	1.4	1.8	1.8	1.1	1.1	1.4	1.4	1.8	1.8	1.1	1.1	1.4	1.4	1.8	1.8