

25BPJ-ADJ Series

Full- or Part-Circle Impact Sprinkler

Primary Applications:

1/2" (15/21) riser-mounted impact head used for slope or large, non-turf-area applications.

Features and Benefits:

- Proven impact drive.
- Straight-through flow for superior performance in dirty water.
- FP trip allows full- or part-circle operation. Adjustable from 20° to 340°.
- Die-cast Precision Jet tube (PJ™) minimizes side splash.
- Stainless steel distance control diffusion pin and DA distance control flaps allows up to 25% radius reduction without changing nozzle.
- Rugged brass, bronze, and stainless steel construction. Bronze body and arm, stainless steel trip assembly, brass bearing sleeve and nipple. Stainless steel fulcrum pin, arm spring, trip spring and friction collars.

Models:

- 25BPJ-FP-ADJ
- 25BPJ-FP-ADJ-DA
- 25BPJ-FP-ADJ-DA-TNT
- 25BPJ Special

Specifications:

- Precipitation Rate: 0.41 to 0.66 inches per hour (10 to 17 mm/h)
- Radius: 38 to 41 feet (11,6 to 12,5 m)
- Pressure: 30 to 50 psi (2,1 to 3,5 Bars)
- Flow: 3.1 to 5.0 GPM (0,70 to 1,14 m³/h; 0,20 to 0,32 l/s)
- 1/2" (15/21) male threaded inlet
- Nozzle outlet trajectory: 25°
- Nozzles: 09, 10



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Helpful Tools



[Performance Charts](#)



[Replacement Parts List](#)
(PDF: 88 KB)



[Impact Troubleshooting Guide](#)
(PDF: 128 KB)



[Specification Drawing](#)
(DWG: 255 KB)

25BPJ-FP-ADJ-DA



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25BPJ-FP-ADJ-DA-TNT



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25BPJ Special



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Performance Charts

25BPJ-ADJ Series

English					
Pressure (psi)	Nozzle	Radius (ft.)	Flow (GPM)	Precipitation (In/h) ■	Precipitation (In/h) ▲
30	9	38	3.1	0.41	0.48
	10 *	39	3.8	0.48	0.56
40	9	39	3.6	0.46	0.53
	10 *	40	4.4	0.53	0.61
50	9	40	4	0.48	0.56
	10*	41	5	0.57	0.66

Metric						
Pressure (Bars)	Nozzle	Radius (m)	Flow (m³/h)	Flow (l/s)	Precipitation (mm/h) ■	Precipitation (mm/h) ▲
2,1	9	11,6	0,70	0,20	10	1
	10 *	11,9	0,86	0,24	12	14
2,5	9	11,8	0,77	0,21	11	13
	10 *	12,1	0,95	0,26	13	15
3,0	9	12,0	0,85	0,23	12	14
	10 *	12,3	1,05	0,29	14	16
3,5	9	12,2	0,91	0,25	12	14
	10 *	12,5	1,14	0,32	15	17

Precipitation Rates based on half-circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

* Standard Nozzle Size

Optimum water distribution achieved at 40 to 50 psi (2,8 to 3,5 Bars).

Performance data collected in zero wind conditions.