

25BPJ-ADJ Series

½" (15/21) Riser-Mounted Impact Head Used for Slope or Large, Non-Turf-Area Applications

- Flexibility – Straight-through flow for superior performance in dirty water
- Reliability – Proven impact drive
- Durability – 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

Features

- FP trip allows full- or part-circle operation. Adjustable from 20° to 340°
- Die-cast Precision Jet tube (PJ™) minimizes side splash

Operating Range

- 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 bar)
- Flow: 3.1 to 5.0 gpm (0.70 to 1.14 m³/h; 12.0 to 19.2 l/m)

Specifications

- ½" (15/21) male threaded inlet
- Nozzle outlet trajectory: 25°
- Nozzles: 09, 10

Models

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



25BPJ-FP-ADJ

Brass nozzle with bridge-mounted stainless steel diffuser pin and non-clog, barrel-type vane. Diffuser pin allows up to 25% radius reduction without changing nozzles



25BPJ-ADJ-DA-TNT

Same as model 25BPJ-FP-ADJ-DA, with TNT bearing



25BPJ-FP-ADJ-DA

Same as model 25BPJ-FP-ADJ, with bridge-mounted DA distance control flap



25BPJ Special

Same as model 25 BPJ-FP-ADJ-DA-TNT, with tamper-resistant friction collars and fixed trip for part-circle operation only

25BPJ-ADJ Series Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
30	09	38	3.1	0.41	0.48
	10 *	39	3.8	0.48	0.56
40	09	39	3.6	0.46	0.53
	10 *	40	4.4	0.53	0.61
50	09	40	4.0	0.48	0.56
	10 *	41	5.0	0.57	0.66

25BPJ-ADJ Series Performance

METRIC

Pressure bar	Nozzle	Radius m	Flow m³/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
2.1	9	11.6	0.70	12.0	10	12
	10 *	11.9	0.86	14.4	12	14
2.5	9	11.8	0.77	12.6	11	13
	10 *	12.1	0.95	15.6	13	15
3.0	9	12.0	0.85	13.8	12	14
	10 *	12.3	1.05	17.4	14	16
3.5	9	12.2	0.91	15.0	12	14
	10 *	12.5	1.14	19.2	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 bar)

Performance data collected in zero wind conditions

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1. See page 224 for complete ASAE Test Certification Statement.

How To Specify

25BPJ-ADJ- 09



Model
25BPJ-FP-ADJ