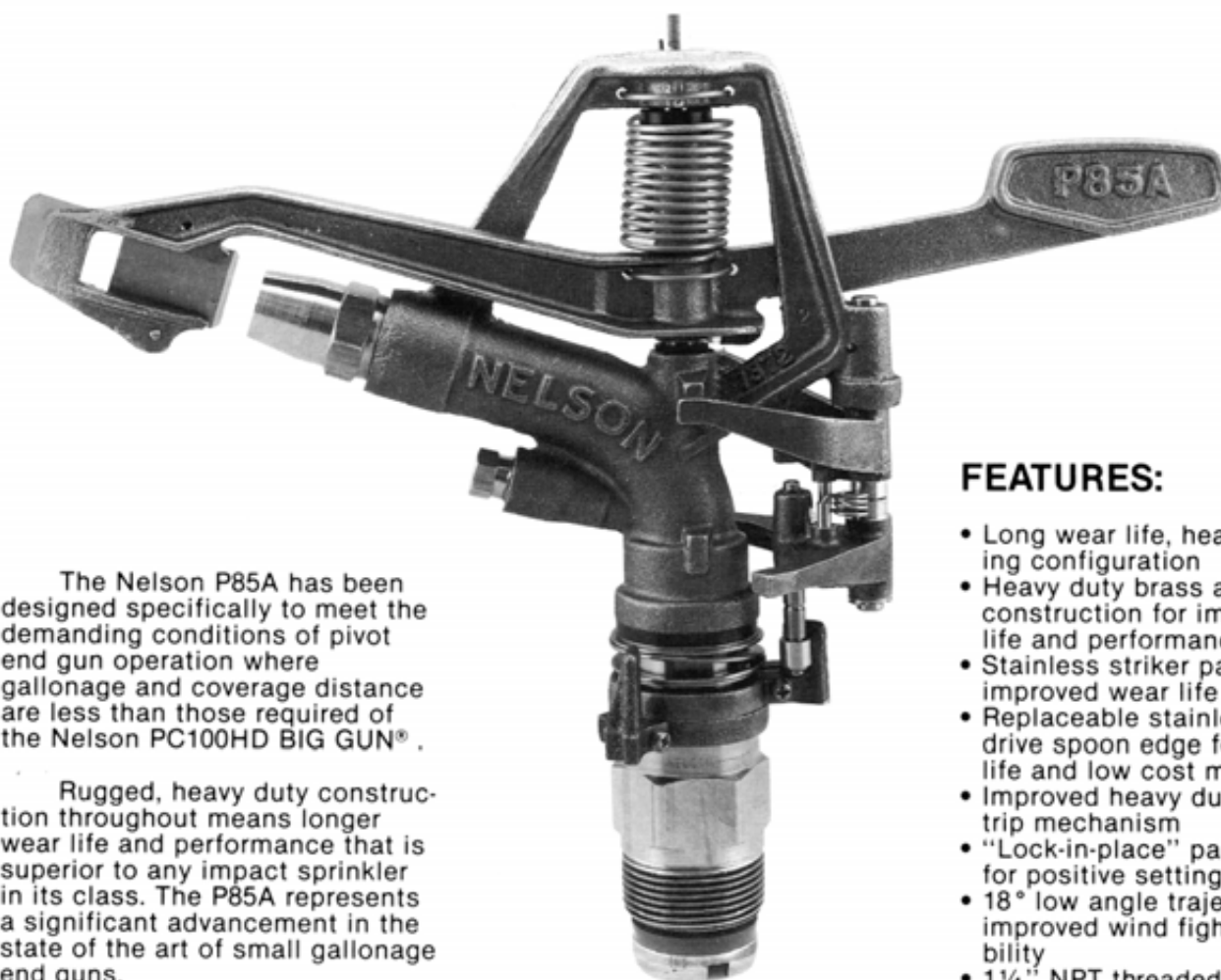


Nelson P85A Low Angle Pivot End Gun Sprinkler



The Nelson P85A has been designed specifically to meet the demanding conditions of pivot end gun operation where gallonage and coverage distance are less than those required of the Nelson PC100HD BIG GUN®.

Rugged, heavy duty construction throughout means longer wear life and performance that is superior to any impact sprinkler in its class. The P85A represents a significant advancement in the state of the art of small gallonage end guns.

FEATURES:

- Long wear life, heavy duty bearing configuration
- Heavy duty brass and stainless construction for improved wear life and performance
- Stainless striker pads for improved wear life
- Replaceable stainless steel drive spoon edge for long wear life and low cost maintenance
- Improved heavy duty part circle trip mechanism
- "Lock-in-place" part circle stops for positive setting of arc
- 18° low angle trajectory for improved wind fighting capability
- 1 1/4" NPT threaded connection



Nelson P85A With 8ADN Adjustable Diffuser for Low Pressure Systems.

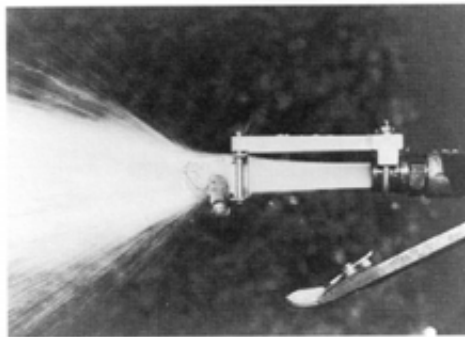
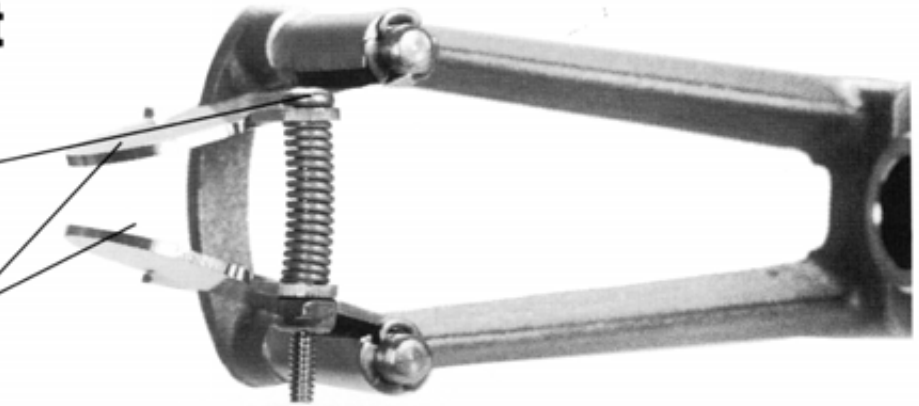
Operating the P85A pivot end gun at low pressure is possible with the 8ADN diffuser nozzle, the only external low pressure diffuser device of its kind. The adjustable diffuser produces desirable droplet conditions at low pressure, without interfering with sprinkler performance. (See back for details.)

See Reverse Side for Performance Information

8ADN Adjustable Diffuser Nozzle is Easy to Adjust

A simple screw adjustment allows you to set the 8ADN for the desired stream breakup and distance of throw.

High-wear stainless steel control baffles are replaceable.



P85A SPRINKLER PERFORMANCE

Flow Rate in GPM and Radius in Feet

Base PSI	Nozzle 11/32 GPM RAD.	Nozzle 3/8 GPM RAD.	Nozzle 13/32 GPM RAD.	Nozzle 7/16 GPM RAD.	Nozzle 15/32 GPM RAD.	Nozzle 1/2 GPM RAD.	Nozzle 17/32 GPM RAD.	Nozzle 9/16 GPM RAD.	Nozzle 19/32 GPM RAD.	Nozzle 5/8 GPM RAD.	Nozzle 21/32 GPM RAD.	Nozzle 11/16 GPM RAD.
20	15.4 48	18.2 49	21.3 51	23.7 52	27.9 53	31.4 55	35.4 56	39.7 57	44.1 58	47.9 60	52.8 61	56.7 62
30	18.9 55	22.4 56	26.2 58	29.5 60	34.4 62	38.9 63	43.7 64	49.0 65	54.2 66	59.3 68	66.4 70	69.8 71
40	21.8 61	26.0 62	30.5 64	34.5 66	39.9 68	45.0 69	50.7 71	57.0 72	62.9 73	69.0 75	77.0 78	83.7 78
50	24.6 64	29.1 66	34.1 68	38.9 70	44.7 71	50.5 73	56.8 75	63.4 76	70.4 78	77.4 79	86.0 82	93.8 81
60	27.0 67	32.1 69	37.6 71	43.0 73	49.3 75	55.7 76	62.5 78	70.0 80	77.3 81	85.4 83	94.8 85	103 86
70	29.0 69	34.8 72	40.7 74	46.7 76	53.2 78	60.4 79	67.7 81	75.8 83	83.8 84	92.8 86	102 87	111 89
80	31.0 72	37.3 74	43.7 76	50.0 78	57.0 80	64.7 82	72.5 84	81.3 85	89.9 87	99.2 89	110 90	119 92
90	33.2 74	39.4 76	46.2 78	52.9 81	60.8 82	68.5 84	76.8 86	86.3 88	95.3 90	104 91	116 92	126 93
100	35.0 76	41.5 78	48.8 80	55.8 83	64.0 85	72.6 87	81.0 88	90.9 90	101 92	110 94	122 95	133 97

P85AV SPRINKLER PERFORMANCE

Base PSI	Nozzle 11/32 GPM RAD.	Nozzle 3/8 GPM RAD.	Nozzle 13/32 GPM RAD.	Nozzle 7/16 GPM RAD.	Nozzle 15/32 GPM RAD.	Nozzle 1/2 GPM RAD.	Nozzle 17/32 GPM RAD.	Nozzle 9/16 GPM RAD.	Nozzle 19/32 GPM RAD.	Nozzle 5/8 GPM RAD.	Nozzle 21/32 GPM RAD.	Nozzle 11/16 GPM RAD.
20	15.4 53	18.2 55	21.7 57	23.9 59	27.4 60	31.1 62	34.9 64	39.3 66	43.4 67	47.7 68	51.3 69	55.5 70
30	18.8 60	22.3 62	26.4 65	29.6 66	33.9 69	38.4 71	43.1 73	48.4 75	53.5 76	58.7 78	64.9 79	70.5 81
40	21.8 66	26.0 68	30.4 71	34.4 73	39.4 76	44.6 78	50.2 80	56.2 82	62.2 84	68.1 86	76.5 87	82.3 89
50	24.2 71	28.8 74	33.8 76	38.5 79	44.1 81	50.1 84	56.3 86	62.8 89	69.5 91	76.2 93	84.7 94	91.9 96
60	26.5 75	31.5 78	37.2 81	42.5 84	48.6 87	55.1 89	61.8 92	69.0 94	76.4 97	83.9 99	93.0 100	101 102
70	28.6 79	34.0 82	40.1 86	46.0 89	52.5 91	59.6 94	66.9 97	74.7 99	82.6 102	90.6 104	101 105	109 107
80	30.6 83	36.4 86	42.8 89	49.3 93	56.2 96	63.8 98	71.7 101	80.0 104	88.4 107	96.9 109	108 110	116 112
90	32.6 86	38.6 90	45.4 93	52.3 96	60.0 100	67.6 102	75.9 105	85.0 108	93.7 111	102 113	114 114	123 116
100	34.4 89	40.7 93	47.9 97	55.1 100	63.2 103	71.2 106	80.0 109	89.6 112	98.8 115	108 118	121 119	130 120

The P85A and P85AV are available with secondary nozzle sizes of 7/64" to 5/16". Consult NELSON IRRIGATION CORPORATION for double nozzle performance information. Sprinkler tested on 12" riser.

NOTE: STATED PERFORMANCE AT BASE PRESSURE

WARRANTY AND DISCLAIMER

Nelson P85A Sprinkler and 8ADN Nozzle are warranted for one year from date of original sale to be free of defective materials and workmanship when used within the working specifications for which the product was designed and under normal use and service. The manufacturer assumes no responsibility for installation, removal or unauthorized repair. The manufacturer's liability under this warranty is limited solely to replacement or repair of defective parts and the manufacturer will not be liable for any crop or other consequential damages resulting from any defects or breach of warranty.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES AND OF ALL OTHER OBLIGATIONS OR LIABILITIES OF MANUFACTURER.

No agent, employee or representative of the manufacturer has authority to waive, alter or add to the provisions of this warranty, nor to make any representations or warranty not contained herein.

ORDERING INFORMATION:

ORDERING INFORMATION:

Order 8ADN Nozzle Assembly as a complete unit. Diffuser device does not fit standard P85A nozzle. Specify nozzle size. NOTE: Performance figures shown are with standard nozzles. 8ADN nozzle sizes and flow rates are identical to standard nozzles, but since distance is adjustable, 8ADN radius performance is not shown.



innovation in irrigation™

NELSON IRRIGATION CORPORATION

848 Airport Rd.
Walla Walla, WA 99362-2271 U.S.A.
Tel: 509.525.7660 Fax: 509.525.7907
E-mail: info@nelsonirrigation.com
Web site: www.nelsonirrigation.com