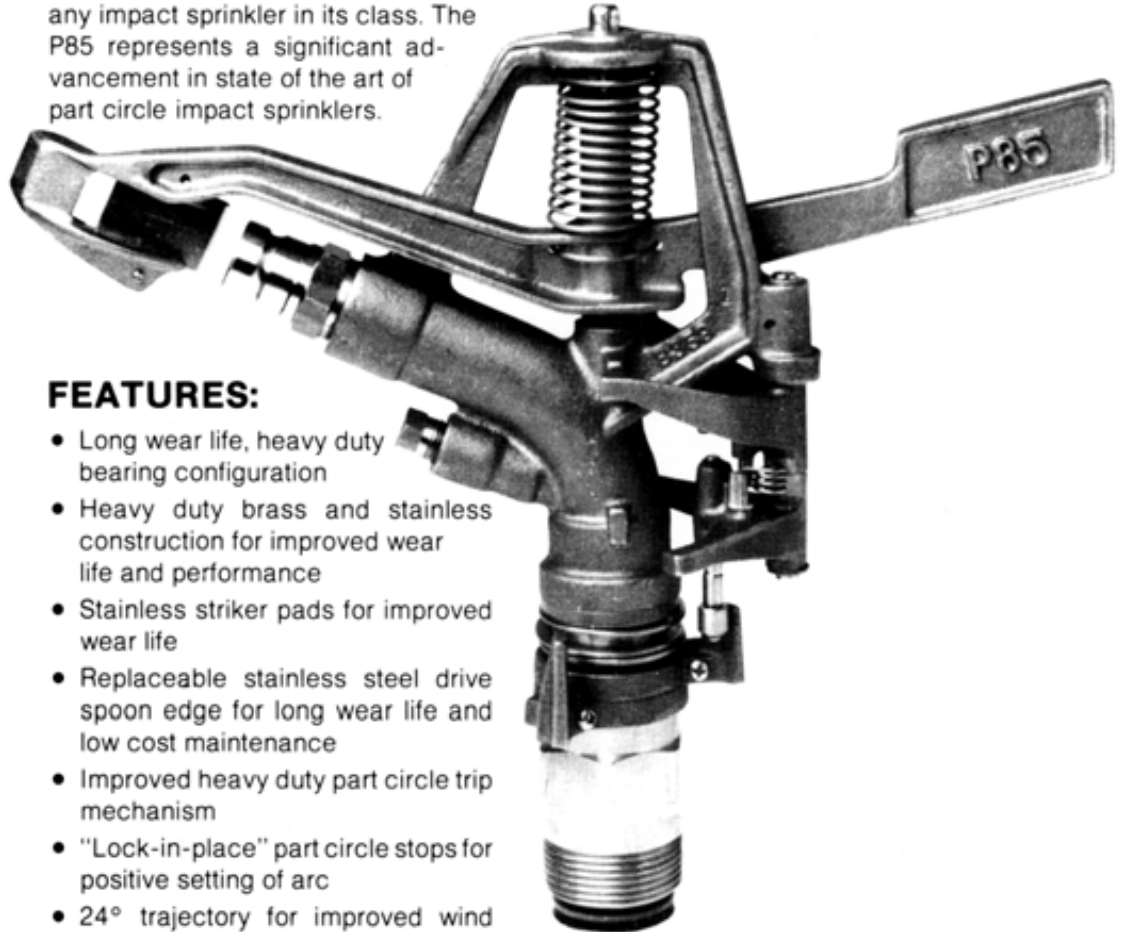


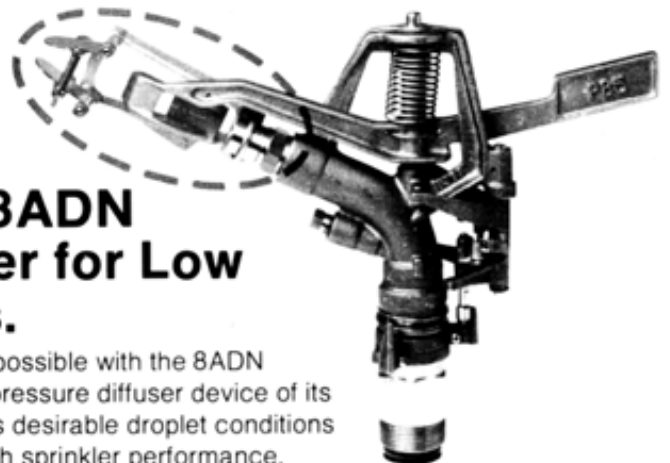
# Nelson P85 1 1/4" Part Circle Impact Sprinkler

Rugged, heavy duty construction throughout means longer wear life and performance that is superior to any impact sprinkler in its class. The P85 represents a significant advancement in state of the art of part circle impact sprinklers.



## 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
- 24° trajectory for improved wind fighting capability & maximum performance.
- 1 1/4" NPT threaded connection
- Secondary spreader nozzle (utilizes standard 3RN nozzle)



## Nelson P85 With 8ADN Adjustable Diffuser for Low Pressure Systems.

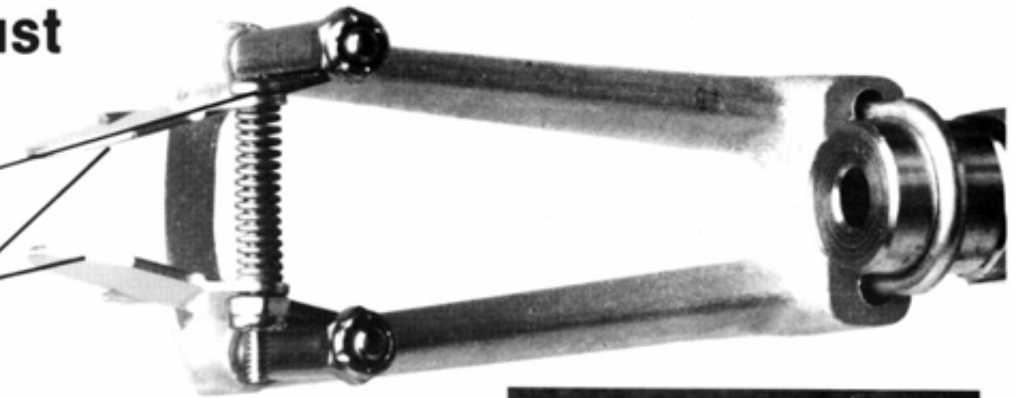
Operating the P85 at low pressure is possible with the 8ADN diffuser nozzle, the only external low pressure diffuser device of its kind. The adjustable diffuser produces desirable droplet conditions at low pressure, without interfering with sprinkler performance. (See back for details.)

See Reverse Side for Performance Information

# 8ADN Adjustable Diffuser Nozzle is Easy to Adjust

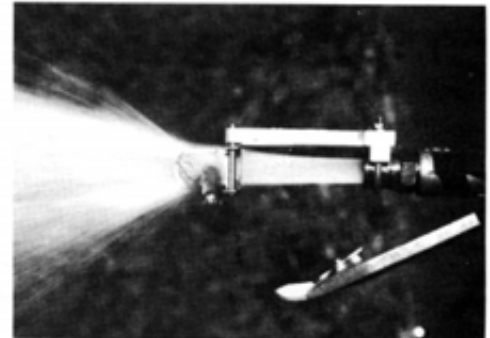
A simple screw adjustment allows you to set the 8ADN for the desired stream breakup and distance of throw.

High-wear stainless steel control baffles are replaceable.



## Model

- 8ADN Complete diffuser assembly including 8DRN nozzle
- 8DN Diffuser assembly without 8DRN nozzle
- 8DRN Standard nozzle for P85



## P85PV SPRINKLER PERFORMANCE [P85 with Plug (P) and Vane (V)]

Base PSI	Nozzle 11/32"		Nozzle 3/8"		Nozzle 13/32"		Nozzle 7/16"		Nozzle 15/32"		Nozzle 1/2"		Nozzle 17/32"		Nozzle 9/16"		Nozzle 5/8"		Nozzle 11/16"	
	GPM	RAD	GPM	RAD	GPM	RAD	GPM	RAD	GPM	RAD	GPM	RAD	GPM	RAD	GPM	RAD	GPM	RAD	GPM	RAD
40	21.8	68	26.0	71	30.4	73	34.4	76	39.4	79	44.6	82	50.2	84	56.2	87	68.1	91	82.3	96
50	24.2	72	28.8	75	33.8	78	38.5	81	44.1	84	50.1	87	56.3	90	62.8	92	76.2	97	91.9	101
60	26.6	76	31.5	79	37.2	83	42.5	86	48.6	89	55.1	92	61.8	95	69.0	97	83.9	103	101.0	106
70	28.6	80	34.0	83	40.1	86	46.0	90	52.5	93	59.6	96	66.9	99	74.7	102	90.6	107	109.0	110
80	30.6	83	36.4	86	42.8	90	49.3	93	56.2	97	63.8	100	71.7	103	80.0	106	96.9	111	116.0	115
90	32.6	86	38.6	89	45.4	93	52.3	97	60.0	100	67.6	103	75.9	106	85.0	109	102.0	114		
100	34.4	88	40.7	92	47.9	96	55.1	100	63.2	103	71.2	106	80.0	110	89.6	113	108.0	118		

**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.

The P85 and P85V are available with secondary nozzle of 7/64" to 5/16". Consult NELSON IRRIGATION CORPORATION for double nozzle performance information and for performance without vane.

**NOTE:** STATED PERFORMANCE AT **BASE** PRESSURE. TEST DATA BASED ON 36" RISER.

## WARRANTY AND DISCLAIMER

Nelson P85 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.

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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.



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