

# Diecast Series

Lumina®

Excellent spray guns for applying release agent to diecast dies!



## DS-1 Series



Internals designed to prevent release agent clogging!

Achieve stable application even in challenging working environments.

Comes in a diverse lineup including fan pattern, straight round pattern, and a flexible long nozzle type.

### Features

- The device uses a large orifice fluororubber O-ring that helps prevent the release agent from clogging for more stable application.
- Uses up to a maximum 3 mm nozzle size despite the compact size and light weight, enabling small quantity to large quantity spraying (nozzle size depends on the model.)

## AW-2 Series



This type uses dual sprayers to spray dies on both the left and right simultaneously.

Air blow nozzles are also included, so you can apply the release agent and then dry using the same device.

### Features





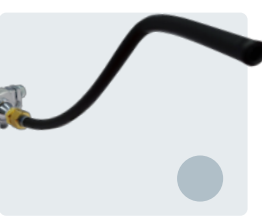
- A single unit can spray in two directions. This means you can reduce the number of units and hoses in use, and reduce cycle time with a lightweight device.
- The ball nozzle configuration lets you change the nozzle direction using a for-purpose wrench. The spray direction can be adjusted freely.

\* If you need to apply release agent to diecast dies, please also see our ST and HM series. The ST series is particularly ideal when you need to make minute adjustments to the liquid.

Catalog No. CDI-19EA





## ■ DS-1 series models

5 spray patterns, as well as several variations of nozzle size.

Fan	Round	Straight Round	Wide Round	Flexible Round
				
<b>Nozzle size</b> DS-1F3 (φ1.3 mm) DS-1F5 (φ2.0 mm)	<b>Nozzle size</b> DS-1R3 (φ1.3 mm) DS-1R5 (φ2.0 mm) DS-1R6 (φ3.0 mm)	<b>Nozzle size and Length</b> DS-1S33 (φ1.3 mm × 30 mm) DS-1S35 (φ2.0 mm × 30 mm) DS-1S36 (φ3.0 mm × 30 mm) DS-1S53 (φ1.3 mm × 50 mm) DS-1S55 (φ2.0 mm × 50 mm) DS-1S56 (φ3.0 mm × 50 mm)	<b>Nozzle size and Angle</b> DS-1W3 (φ2 mm × 6 holes × 30°) DS-1W4 (φ2 mm × 6 holes × 40°)	<b>Nozzle size and Length</b> DS-1L30 (φ6.8 mm × 300 mm)
			* Requires an air pressure of 0.4 MPa or more and liquid pressure feed.	* Requires an air pressure of 0.4 MPa or more and liquid pressure feed.

## ■ AW-2 series models

4 models that spray on both sides. All are multi-function models that include air blow nozzles.

Fan	Round	Straight Round	Wide Round
			
<b>Nozzle size</b> AW-2F (1.6 mm slit)	<b>Nozzle size</b> AW-2R (φ3.4 mm)	<b>Nozzle size and Length</b> AW-2S5 (φ3.4 mm × 50 mm)	<b>Nozzle size and Angle</b> AW-2W4 (φ1.4 mm × 6 holes × 40°)

\* All models require liquid pressure feed.

## ■ Spray data

Model	Spray Pattern	Nozzle Size (mm)	Flow Rate (mL/sec)	Air Consumption (L/min)	Mass (g)
DS-1F3	— Fan	φ1.3	14	100	190
DS-1F5	— Fan	φ2.0	27	140	190
DS-1R3	● Round	φ1.3	14	70	170
DS-1R5	● Round	φ2.0	27	110	170
DS-1R6	● Round	φ3.0	40	260	170
DS-1S33	● Straight Round	φ1.3 × L30	10	100	180
DS-1S35	● Straight Round	φ2.0 × L30	18	130	180
DS-1S36	● Straight Round	φ3.0 × L30	32	270	180
DS-1S53	● Straight Round	φ1.3 × L50	7	100	190
DS-1S55	● Straight Round	φ2.0 × L50	11	130	190
DS-1S56	● Straight Round	φ3.0 × L50	46	330	190
DS-1W3	✿ Wide Round	φ2.0 × 6 holes × 30°	23	500	170
DS-1W4	✿ Wide Round	φ2.0 × 6 holes × 40°	24	500	170
DS-1L30	● Flexible Round	φ6.8 × L300	20	500	200
AW-2F	— Fan	1.6 mm slit	10	160	330
AW-2R	● Round	φ3.4	13	160	330
AW-2S5	● Straight Round	φ3.4 × L50	12	160	360
AW-2W4	✿ Wide Round	φ1.4 × 6 holes × 40°	10	160	330

\* The above data was recorded at an air pressure of 0.3 MPa and a liquid pressure of 0.1 MPa.

However, the DS-1S56, DS-1W3/1W4, DS-1L30 data were recorded at an air pressure of 0.4 MPa and a liquid pressure of 0.2 MPa.

\* The AW-2 series air blower uses 450 L/min air (at an air pressure of 0.3 Mpa).