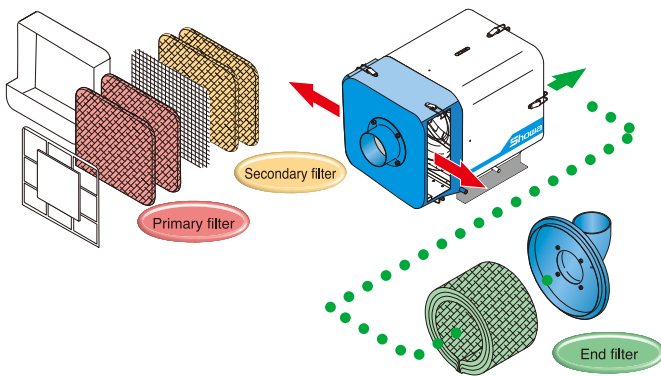


# Mistresa® Mist- (dust-) handling series (CRD type)

## Handles dust included in mist



### Filter Structure



### Application

#### Machine tools

NC lathes, general-purpose lathes, cylindrical grinders, inside grinders, milling machines, machining centers, electro-discharge machines, die-casting machines

#### Other

Machines that generate mist

### Features

#### Also handles dust included in mists

Also handles the grinding dust (included in mist) generated by grinding machines and centerless grinders, so dust can be exhausted easily.



#### Simple, safe maintenance

Filter can be replaced without disconnecting the duct hose. In addition, since the rotating part (impeller) is not exposed, safety is ensured during maintenance.



#### Equipped with filter clogged indicator

The filter clogged indicator enables checking the filter clogged status during operation. (Can be mounted on either the left or right side.)

#### High collection efficiency

Achieves a mist collection efficiency of 99.8%.

#### Excellent motor performance

The motor which is used was developed within our company and has a protection class of IP65 (dust-tight, protected against water jets) to provide a worry-free design.

#### Equipped with motor burnout prevention terminal

To prevent burnout, a thermally reactive thermal protector is attached to the windings. Burnout can be prevented by connecting this terminal to the operating circuits of the motor relay.

### Standard specifications

Item	Model	CRD-400RA	CRD-750RA	CRD-1500RA	CRD-2200RA
Power source		3-Phase 50Hz/60Hz		Refer to the nameplate.	
Output (kW)		0.4	0.75	1.5	2.2
Frequency (Hz)		50/60/60	50/60/60	50/60/60	50/60/60
Maximum flow rate (m <sup>3</sup> /min)		4.2/5.0	8.0/9.6	15/18	20/24
Maximum static pressure (kPa)		0.75/1.10	1.10/1.60	1.60/2.25	1.70/2.40
Operating noise (1m from machine side, dB (A))		59/63	64/68	70/74	71/75
Collection efficiency (%)		99.8 (by weight : oil mist)			
Maximum intake air temperature (°C)		50			
Weight (kg)		30	41	59	70
Suction inlet diameter (mm)		φ98	φ123	φ148	φ198
Ambient temperature (°C)		MAX.50			
Paint color		Main body: N8 (White); Side cover, etc.: 2.5PB 3.5/10 (Blue); Mounting stand: N-1 (Black)			
Standard accessories		Primary filter (for replacement) ..... 1 Drain tubes (2.5m) ..... 2 Hose bands (for drain tube) ..... 2 Crimp terminals (TMEV2Y-3.5) ..... 7 Anti-vibration pads ..... 4		Mounting hole template ..... 1 Duct mating flange, packing, and mounting bolts ..... 1 set	

\* Operating noise was measured according to JIS B8330 "Testing Methods For Turbo-Fans". Further, operating noise will vary depending on operating environment and operating conditions.

### Consumables list

Product name		CRD-400RA	CRD-750RA	CRD-1500RA	CRD-2200RA
Primary/secondary filter set	Model	3K12-300R	3K12-350R	3K12-420R	3K12-460R
	Product code	10006491	10006498	10006501	10006505
End filter set	Model	3KE-175A	3KE-190A	3KE-235A	3KE-265A
	Product code	10002584	10002585	10002586	10003672

The primary/secondary filter set can be washed and reused.

● Please refer to dimensional outline drawing on page 6.

### Performance curves

