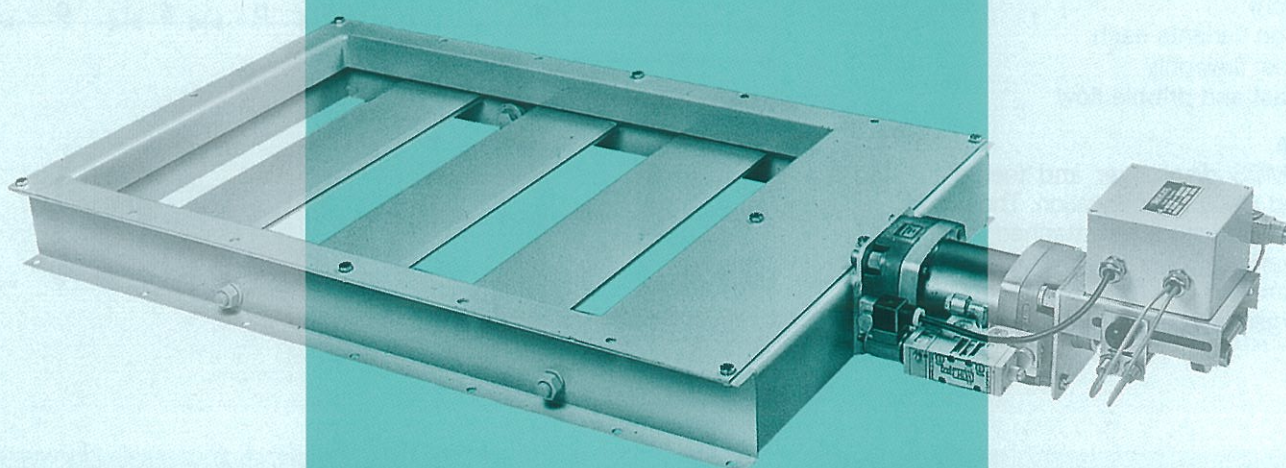


# Discharger

# DMDS



74206-5

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## Application

Discharger and feeder for freeflowing and non-freeflowing bulk materials, specially designed for large-capacity bins and elevators (silos).

## Operating principle

(see sketch)

The slide plate, which runs on ball bearings, is opened by pneumatic cylinder to a preselectable slot width and caused to oscillate, the stroke length being permanently set. The material flows through the open discharge slots, with the oscillating movement of the slide causing the material to be loosened in the outlet area. The discharge capacity is controlled by adjusting the slot width and the stroke frequency of the pneumatic cylinder. Both adjustments can be made without the use of tools.

In the case of the design variant featuring fast and dribble flow, the slot width is automatically reduced when the fast flow mode is changed over to dribble flow, thus reducing the discharge rate.

## Models

7 capacity sizes (see dimensioned sketch)

2 design variants each:

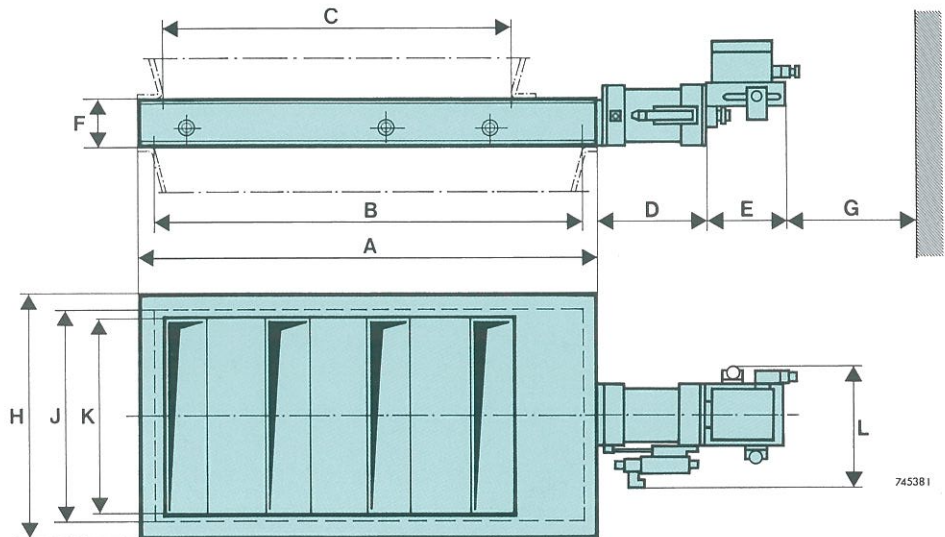
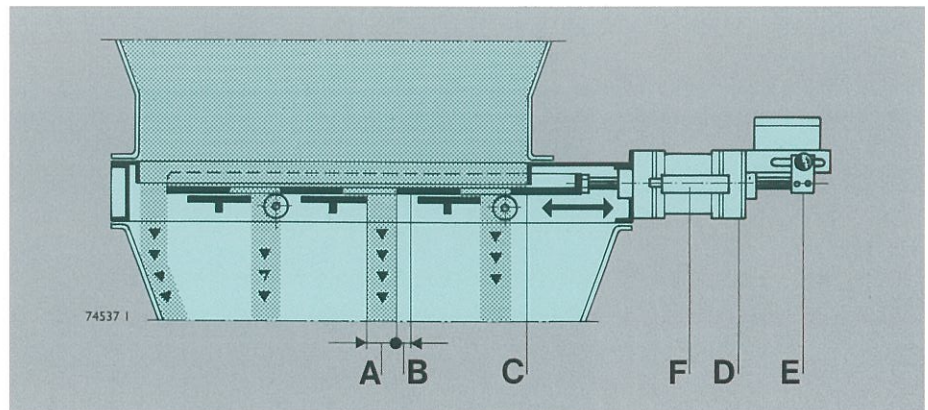
- for fast flow only
- for fast and dribble flow

## Design

The DMDS discharger and feeder is supplied ready for installation. The controls and selectors are attached to the pneumatic cylinder itself, including a plug unit for the connection of the discharger to a central control panel.

- A** Slot opening, can be adjusted to achieve required discharge rate
- B** Permanent stroke length of the oscillating slide
- C** Slide plate with discharge slots

- D** Pneumatic cylinder with attached controls
- E** Device for setting the slot opening A
- F** Valve for setting the stroke frequency of the oscillating slide B



## Dimensions, technical data, weights, etc.

Type	Dimensions in mm											Approx. weight in kg (without motor)			Shipping volume m³
	A	B	C	D	E	F	G min.	H	J	K	L	net	gross	packed for export	
DMDS-350/350	572	512	350	122	130	103	150	450	390	350	225	35	45	55	0.1
DMDS-510/400	745	680	510	208	155	103	150	500	440	400	225	40	55	65	0.15
DMDS-720/400	950	890	720	208	155	103	150	500	440	400	225	50	70	80	0.18
DMDS-930/400	1160	1100	930	208	155	103	150	500	440	400	225	58	80	90	0.2
DMDS-720/500	950	890	720	208	155	103	150	600	540	500	225	53	75	85	0.2
DMDS-930/500	1160	1100	930	208	155	103	150	600	540	500	225	63	90	100	0.23
DMDS-1350/500	1580	1520	1350	208	155	103	150	600	540	500	225	81	115	130	0.29