PD – ROTARY TUBE DIVIDER
REPRESENTATIVE DIVIDING OF BULK MATERIAL

➤ PD divides bulk material.

➤ PD has an easy and stepless adjustable division ratio.

➤ PD divides material with particle size up to ø65 mm.

PRINCIPLES OF OPERATION

The Rotary Tube Divider (PD) is designed for representative dividing of bulk material.

GENERAL DESCRIPTION

The drive unit rotates a dividing tube, where the material stream is charged through. The slot opening(s) in the bottom cone extract(s) a quantity corresponding to its width and the rest passes into the reject outlet. The division ratio is steplessly adjusted between 1:8 and 1:89 - dependent of PD model and particle size.
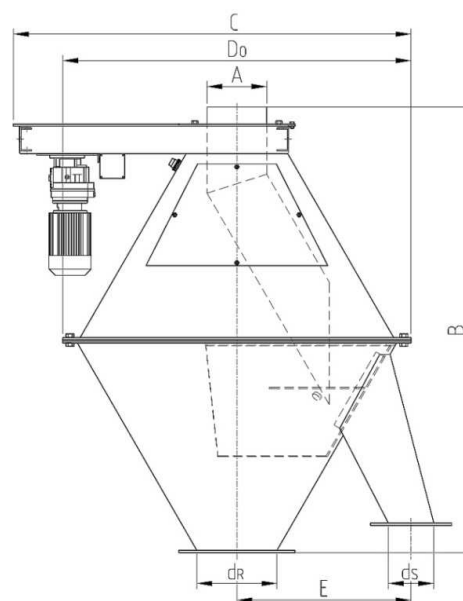
The Rotary Tube Divider is manufactured of stainless steel and essentially consists of the following units:

- Drive unit
- Dividing tube
- Top cone with inspection opening
- Bottom cone with reject outlet and one or more adjustable sample outlets.

TECHNICAL DATA

Drive unit:	Geared motor
Voltage:	400/230V-50Hz or as required
Sensor:	Motion detector
Dimensions:	Refer to drawing and table

DRAWING

TYPE DESIGNATION:

Type	Particle size [mm]	øA [mm]	B [mm]	C [mm]	øD₀ [mm]	ds [mm]	Ødr [mm]	E [mm]	Motor [kW]	Division circumference [mm]	Tube speed [rpm]	Weight [kg]
PD8/100	< 25	100	535	705	410	60x60	100	170	0.25	825	44	55
PD12/100	< 35	100	790	1045	640	60x60	200	290	0.25	1255	29	70
PD12/200	< 40	200	790	1045	640	150x150	200	290	0.25	1255	29	80
PD17/100	< 35	100	1015	1095	740	100x100	200	330	0.37	1720	21	120
PD17/200	< 50	200	1015	1095	740	150x150	200	330	0.37	1720	21	130
PD27/100	< 35	100	1535	1370	1200	100x100	200	600	0.55	2700	13	170
PD27/200	< 65	200	1535	1370	1200	150x150	200	600	0.55	2700	13	175

The values are only indicative

COMPANY PROFILE