
# ROTATING SAMPLE DIVIDER PT 300

A faultless and comparable analysis is closely linked to accurate sample handling. Only a sample representative of the initial material can provide meaningful analysis results. Rotating sample dividers ensure the representativeness of a sample and thus the reproducibility of the analysis.

The rotating sample divider PT 300 is specially designed for representative, dust-free division and volume reduction of large amounts of powdered or granular bulk materials. The selection of different dividing modules determines the dividing ratio and the sample amount. The PT 300 is available in configurations for the division of either 30 l or 60 l sample material.

Click to view video

## FORDELER

- Exact division, also of large quantities
- Modular design
- Variable speed 18 - 53 rpm
- Extraction of 4 - 10 samples for batch processing
- Extraction of 1 sample for continuous processing with reject
- Hopper design ensures easy flow control and cleaning
- Inspection window with light facilitates monitoring of sample division process
- Vibratory feeder with push-fit feed chute for easy cleaning
- Removable base frame allows for variable operation height

# VIRKEMÅTE

The sample is fed as a continuous stream at a controlled rate via the chute. Either one part sample is extracted or the stream is divided into equal segments by the action of a “circle” of segmental buckets rotating beneath it. The unit operates in accordance with internationally recognized sampling protocols and divides samples in a representative and reproducible way.

Two modules in one machine allow for **both batch-processing and continuous sampling with reject**. Due to a range of various segment size combinations a variety of volumes can be divided (no additional machine needed).

ROTATING SAMPLE DIVIDER PT 300

# TECHNICAL DATA

| | |
|---|---|
| **funksjon** | prøvetaking samt inndeling og redusering av prøver |
| **bruksområde** | biologi, byggematerialer, geologi / metallurgi, glass / keramikk, kjemi / plast, landbruk, maskinbygging / elektroteknikk, matvarer, medisin / legemidler, miljø / gjenvinning |
| **matemateriale** | massegods |
| **størrelse på matematerialet*** | <= 30 mm |
| **Drehzahl** | 18 - 53 min-1 |
| **traktestørrelse** | depending on configuration: up to 30 l / 60 l |
| **antall delmengder** | 30 l configuration:<br>batch processing: 4/ 6 / 8 / 10 (depending on dividing module)<br>processing with reject: 1<br><br>60l configuration:<br>batch processing: 4 / 6 / 8 / 10 (depending on dividing module)<br>processing with reject: 1 |
| **tidsinnstilling** | digital |
| **Volume of reject collector** | 70 l |
| **Volume of segments for batch wise operation** | 30 l configuration:<br>3,000 ml / 3,750 ml / 5,000 / 7,500 ml (depending on dividing module)<br><br>60 l configuration:<br>6,000 ml / 7,500 m l / 10,000 / 15,000 ml (depending on dividing module) |
| **Adjustment vibratory feeder** | digital |
| **Elektriske tilkoblingsdata** | 100-120 V, 50/60 Hz; 200-240 V, 50/60Hz |
| **Nettilkobling** | 1-fase |
| **kraftforbruk:** | 500 VA |
| **b x h x d** | 30 l configuration: 1180 x1510 x 750 mm<br>60 l configuration: 1180 x1620 x 750 mm |
| **nettovekt** | 30 l configuration: ~ 209 kg (incl. vibratory feeder)<br>60 l configuration: ~ 230 kg (incl. vibratory feeder) |
| **Normer / standarer** | CE |

*avhengig av matemateriale og apparatkonfigurering /apparatinnstillinger

/pt300

# BESTILLINGSINFO

## ROTATING SAMPLE DIVIDER PT 300

**Rotating Sample Divider PT 300**
**(please order hopper and dividing module separately)**

| | | | | |
|---|---|---|---|---|
| 41.005.0003 |  | PT 300 | 200–240 V, 50/ 60 Hz | drive unit incl. vibratory feeder |
| 41.005.0004 |  | PT 300 | 100–120 V, 50/ 60 Hz | drive unit incl. vibratory feeder |

**other electrical versions available for the same price**

## HOPPER PT 300, STAINLESS STEEL

| | |
|---|---|
| 23.785.0023 | Hopper PT 300, stainless steel, 30 l capacity |
| 23.785.0024 | Hopper PT 300, stainless steel, 60 l capacity |

## DIVIDING MODULES AND ACCESSORIES OF STAINLESS STEEL (FOR FEEDING UP TO 30 L)

| | |
|---|---|
| 23.011.0004 | Dividing module for 6 part samples for batch processing |
| 03.011.0054 | Spare bucket for dividing module for 6 part samples |
| 23.011.0003 | Dividing module for 8 part samples for batch processing |
| 03.011.0053 | Spare bucket for dividing module for 8 part samples |
| 23.011.0002 | Dividing module for 10 part samples for batch processing |
| 03.011.0052 | Spare bucket for dividing module for 10 part samples |
| 23.011.0001 | Dividing module for 1 part sample and reject receptacle for continuous processing |
| 03.011.0048 | Spare bucket for continuous dividing module |

**additional dividing modules upon request**

## DIVIDING MODULES AND ACCESSORIES OF ALUMINUM (FOR FEEDING UP TO 30 L)

| | |
|---|---|
| 23.011.0021 | Dividing module for 4 part samples for batch processing |
| 03.011.0099 | Spare bucket for dividing module for 4 part samples |

| | |
|---|---|
| 23.011.0022 | Dividing module for 8 part samples for batch processing |
| 03.011.0101 | Spare bucket for dividing module for 8 part samples |

**additional dividing modules upon request**

## ACCESSORIES PT 300

**Push-fit chutes**

| | | |
|---|---|---|
| 02.729.0077 |  | Push-fit chute standard |
| 02.729.0068 |  | Push-fit chute for fine samples < 15 mm |

## DIVIDING MODULES AND ACCESSORIES OF STAINLESS STEEL (FOR FEEDING UP TO 60 L)

| | |
|---|---|
| 03.011.0115 | Dividing module for 4 part samples for batch processing |
| 03.011.0114 | Spare bucket for dividing module for 4 part samples |
| 03.011.0041 | Dividing module for 6 part samples for batch processing |
| 03.011.0077 | Spare bucket for dividing module for 6 part samples |
| 03.011.0042 | Dividing module for 8 part samples for batch processing |
| 03.011.0076 | Spare bucket for dividing module for 8 part samples |
| 03.011.0043 | Dividing module for 10 part samples for batch processing |
| 03.011.0075 | Spare bucket for dividing module for 10 part samples |
| 23.011.0001 | Dividing module for 1 part sample and reject receptacle for continuous processing |
| 03.011.0048 | Spare bucket for continuous dividing module |

**additional dividing modules upon request**

## DIVIDING MODULES AND ACCESSORIES OF ALUMINUM (FOR FEEDING UP TO 60 L)

| | |
|---|---|
| 23.011.0020 | Dividing module for 4 part samples for batch processing |
| 03.011.0098 | Spare bucket for dividing module for 4 part samples |
| 23.011.0023 | Dividing module for 8 part samples for batch processing |
| 03.011.0100 | Spare bucket for dividing module for 8 part samples |

**additional dividing modules upon request**