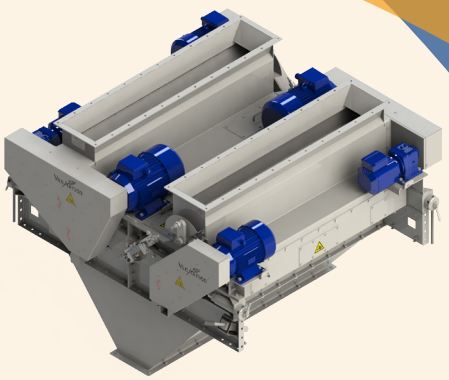
Crumbler



Process

During crumbling pellets are reduced to crumbs. The advantages of the pelleting process are maintained as much as possible. The size of the crumbs is adapted to the need of the animal and the feeding system. Meal intake consumes a lot of energy for an animal, crumbs on the other hand can be quickly and easily consumed.

The most important goals of crumbling for the animal (farmer) and the crumble process (animal feed producer) are:

- Maintain the advantages of pellets:
  - Prevent dissociation
  - Prevent feed losses and selection during feed intake
  - Destruct and/or inhibit Salmonella and other bacteria
  - Improvement digestability by starch gelatinization
  - Reduce development of dust
  - Simplify transport by means of higher wear resistance and higher pouring weight
  - Lower conversionfactor
  - Reduction contamination
- Size adapted to intake abilities and preferences of the animal
- Control of particle size distribution
- Minimum production costs
- Continues production
- Flexibility with regard to types of pellets and desired crumbs

The Van Aarsen crumbler

The Van Aarsen crumbler is equipped with a separately driven dosing roller, ensuring a uniform feed to the machine and achieving optimum utilization of its capacity.

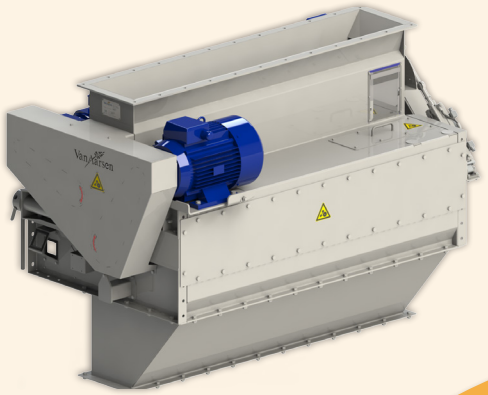
The fineness of the end product can be varied by adjusting the distance between the crumbler rollers. There is also a by-pass device enabling the flow of pellets to be diverted around the crumbler rollers. This by-pass is available with manual- or air-control.

The crumbler rollers are made of very durable special steel, thus reducing the operational costs. When worn, these rollers can be re-serrated. Rollers with different serration size are available to suit different pellet diameters and granule sizes.

The rollers are easy to exchange and the tooth-belt drive is maintenance-free. As a result, maintenance costs are minimal.

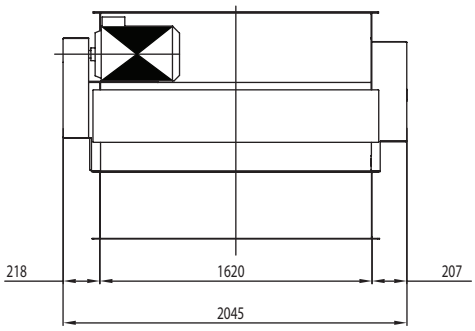
Operational safety

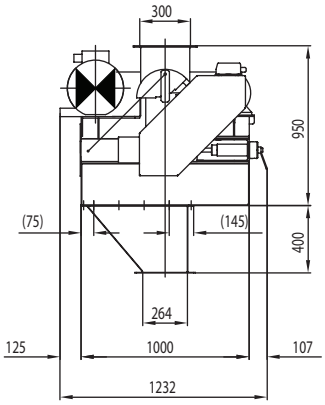
The crumbler is designed and constructed in conformity with the safety regulations Machinery Directive 89/392/EEC.



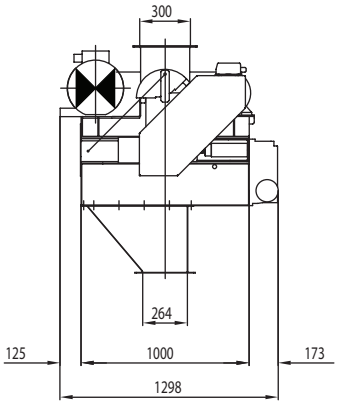
Datasheet

KR16.2 single



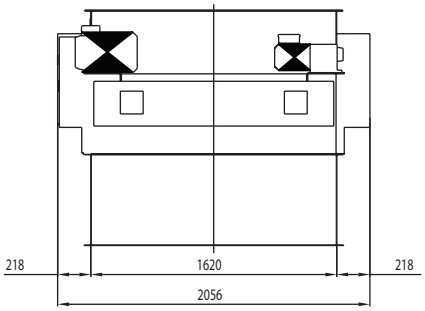


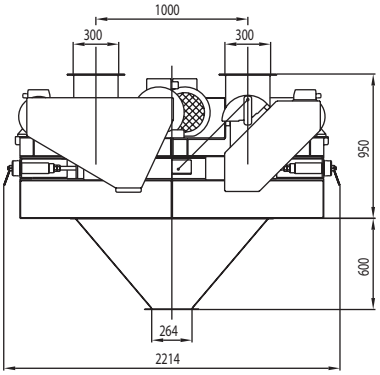
Roller adjustment, hand operated



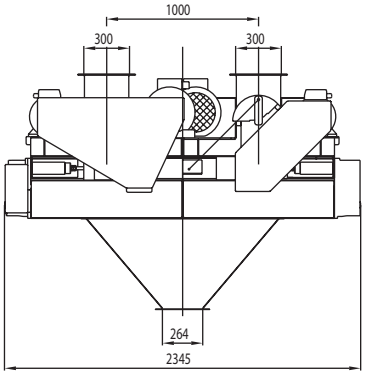
Roller adjustment, motor operated

KR16.2 double





Roller adjustment, hand operated



Roller adjustment, motor operated

Type			KR16.2 single	KR16.2 double
Weight		kg	± 1550	± 3100
Drive crumbling rollers / 1000 rpm		kW	5.5	2 x 5.5
Drive crumbling rollers / 1500 rpm		kW	11	2 x 11
Drive feed roller / 83 rpm		kW	1.5	2 x 1.5
Conical roller	- 3.14 mm/ 200 T		c	c
	- 4.49 mm / 140 T		c	c
By-pass valve ● hand operated ● air operated			 c c	 c c
Roller adjustment ● hand operated ● motor operated			 c c	 c c
Frequency regulator			o	o
Outlet hopper			o	o
Capacity *		t/h	9-23	18-46
Conical roller **		pitch(mm)/teeth	3.14 / 200 - 4.49 / 140	3.14 / 200 - 4.49 / 140

c = choice; o = optional;
* Depends strongly on the size and quality of the pellets
** Pellets < 4mm: use a 3.14mm / 200 T conical roller; pellets ≥ 4mm use a 4.49 mm/ 140 T

VanAarsen
Heelderweg 11 6097 EW Panheel, P.O. Box 5010 6097 ZG Heel The Netherlands
Phone +31 (0)475 579 444 Fax +31 (0)475 579 223 info@aarsen.com www.aarsen.com