

## General description

The dosing infrastructure consists of:

- A feed panel with a material layer height adjustment device and a material presence probe. It is extended by the product guide edge. The PEHD shields ensure tightness between the edges and the belt. The feed panel and the edges are made with a relief angle along the longitudinal and lateral axes eliminating any jamming at the belt level.
- A set of wear-resistant sheet metal (special CREUSABRO™ steel, 6 mm).
- A belt extractor, in hot galvanized steel, with braced frame consisting of:
  - A smooth rubber belt, totally vulcanized, with abrasion-resistant coating. The belt characteristics are modified according to the nature of the materials to be extracted.
  - An accessory kit for quick belt replacement from the side of the equipment.
  - A train of carrying rollers.
  - A return roller.
  - Two guide rollers.
  - A rounded control drum, dual chevron rubber-coated, with shaft mounted on ball bearings.
  - A rounded return drum, with idling hub.
  - A belt tightening screw device,
  - An external scraping device placed on the external belt strand at the head drum level.
  - An internal scraping device placed on the belt return strand, ahead of the foot drum.
  - A geared motor unit consisting of an asynchronous motor (IP 55 - Class F) coupled to a hollow shaft gearbox. This unit is "floating" mounted at the end of the control shaft.
  - A set of safety devices: Side protections between the rollers - removing inner corners while leaving the belt visible, foot drum covering - perforated to maintain visibility, belt lower surface under mesh covering the return drum as well.
  - Four support legs for transport and handling.
- Discharge chute

## Applications

Dosing of all granular products, from sand to ballast.

- ▼ XKV model volumetric doser allows ensuring an extraction flow of bulk product stored in a silo or stock pile. It is suspended under the silo or tunnel.
- ▼ The extraction rate can be fixed or variable; the products to be dosed can be wet or dry, free-flowing or difficult to extract.
- ▼ For applications requiring high precision, an intermediate weighing framework transforms the XKV volumetric doser XKV into the XKP weight-based doser.
- ▼ Combined with other extractors - XKV, XKP or TD - these dosers allow a granular recomposition.
- ▼ The XKV or XKP extractor can be equipped with a motorized volumetric hatch (see data sheet ref. 11-80-02 FT).

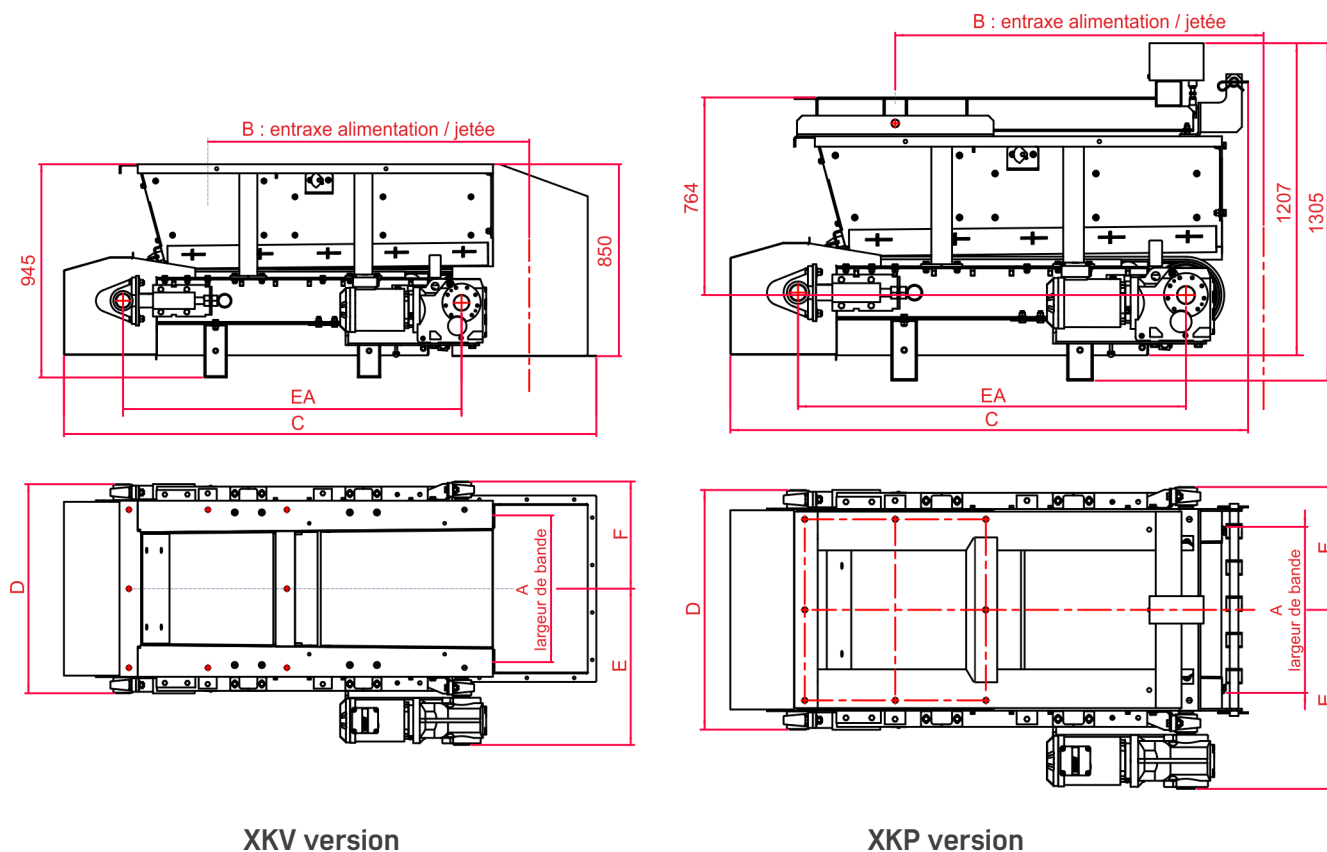
## Accuracy

- Volumetric accuracy :  $\pm 2$  to 3 % depending on the flow characteristics of the product to be extracted.
- Weight-based accuracy :  $\pm 1$  % after material tests.

## Range

Type	Belt width (mm)	Spacing (mm)	Flow (m <sup>3</sup> /h)	Power (kW)
XKV 6	650	1,500	< 160	< 3
XKV 8	800	1,500	< 280	< 4
XKV 10	1	2,100	< 450	< 5.5

## Dimensions and weight



XKV version

XKP version

Model - EA	XKV / XKP						Weight (kg)	XKP only		
	A	B	C	D	E	F		Model - EA	C	Weight (kg)
XKV6 - 1500	650	1424	2360	926	692	475	860	XKP6 - 1500	2000	960
XKV8 - 1500	800	1373	2360	1076	796	550	930	XKP8 - 1500	2055	995
XKV10 - 2100	1	1863	2970	1311	946	674	1310	XKP10 - 2100	2520	1390

All dimensions are in mm.  
The unspecified dimensions for XKP version are identical to those of XKV version.

## Options

### XKV / XKP versions

- Manual isolation damper - Strike plate
- Edge belt - Stop belt
- Local control box
- Power cabinet with frequency converter
- Belt offset detector
- TD volumetric hatch
- Adapter to retrofit a weighter frame

### XKP version only

- Weighter frame adapted to the belt width and spacing
- Belt slip control device
- Motorized damper for easy belt zero band setting

### Your specialist

Non contractual illustrations. Precia-Molen reserves the right to alter the characteristics of the equipment described in this brochure at any time.

Head Office & Factory **PRECIA-MOLEN**  
 BP 106 - 07000 Privas - France  
 Tel. 33 (0) 475 664 600  
 Fax 33 (0) 475 664 330  
 E-MAIL webmaster@preciamolen.com

RCS: 386 620 165 RCS Aubenas

