

TECHNICAL SPECIFICATION

Document ID: Meva CPS-X technical specification EN

Revision: 17.14

MEVA
by Nordic Water

Counter Pressure Screw CPS-X

General information

The combination of Meva CPS-X and SWP results in a product optimal for incineration. The result is a product with a DS content of 45-60%, shredded screenings and a superior washing effect.

Meva CPS-X is connected to the SWP through a bend. The CPS-X creates a counter pressure and functions as a resistance in the SWPs pressing process. Pressure is continuously adjusted and maintained to maximize the DS content results of the SWP-X regardless of circumstances.

The high counter pressure ensures a long retention time in the press zone and providing a superior washing effect.

At the discharge of the CPS-X the material is shredded, making it optimal for incineration. The CPS-X also works as a conveyor, enabling long vertical conveying distances.

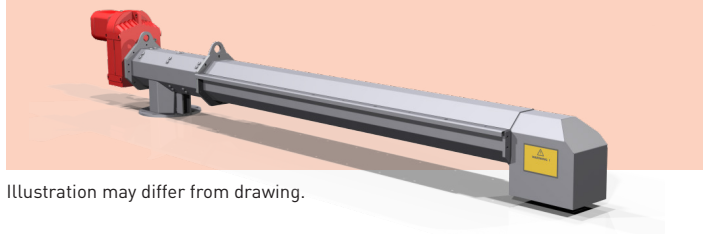


Illustration may differ from drawing.

Manufacturing standards	
CPS-X	EC Machinery Directive 2006/42/EC, EU standards EN ISO 12100 1&2, EN ISO 14121-1

Surface finish	
Surface treatment	Electropolished, fully pickled
Painted parts standard color	RAL 4002
Painting standard	BSK 07 ISO 12944 C3 A3.03

Electrical specification	
Voltage	3x400 V
Frequency	50 Hz
Enclosure	IP 55

General construction material	
Stainless steel	Main parts in EN 1.4307 or EN 1.4404

Construction material	
Main parts	Stainless steel EN 1.4307 or EN 1.4404
Axial bearing	Hardened steel
Drive shaft	Carbon Steel EN S355 J2
Gasket	Aramid fibre
Gearbox and motor	Cast iron, aluminum etc.
Inlet bend flange	Silumin
Key	Key steel
Radial bearing / Wear strips in press zone	Hardox
Transport screw	Carbon Steel EN S355 J2

For further information, see next page.

Options	
Color (other than standard)	<i>Painted parts</i>

Motor options	
Anti-condensation heater	<i>Motor option</i>
Thermistor	<i>Motor option</i>
Thermo-contact (Klixon)	<i>Motor option</i>
Weather protection	<i>Motor option</i>

Material options	
Inlet bend flange	<i>Material</i>

Transport and handling	
CPS-X	Transported on wooden pallet
Accessories	Transported in a cardboard box
Other packaging options may be available upon request.	

Documentation	
Machine card	
Operation & maintenance manual	
Dimensional drawing	
Control philosophy	
Further documents are available upon request	

Accessories	
Documentation	
Support legs	
Inlet bend	

Model	CPS-X 20	CPS-X 25	CPS-X 30	CPS-X 35	CPS-X 40
Gearbox	SEW KA77	SEW KA87	SEW KA87	SEW KA97	SEW KA97
Motor	SEW	SEW	SEW	SEW	SEW
Power	3 kW	4 kW	5,5 kW	7,5 kW	7,5 kW
Start trigger	Emotron ELFi M20	Emotron ELFi M20	Emotron ELFi M20	Emotron ELFi M20	Emotron ELFi M20
Length	1500-7000	1500-7000	1500-7000	1500-7000	1500-7000
Drawing No.	DD-CPS-X-20	DD-CPS-X-25	DD-CPS-X-30	DD-CPS-X-35	DD-CPS-X-40