

CSF

Side Feeder

Continuity.
Performance.
Versatility.



BUSS Side Feeder CSF – Feeding for high filler loadings and challenging bulk materials

The COMPEO Side Feeder (CSF) by BUSS reliably feeds solids into the side feed zones of the compounder. Even slightly fluidizing powders or high filler contents are fed in safely – material conveyance remains stable and the degree of fill is constant. The combination of twin-screw forced feeding and back-venting minimizes air entrapment and dust emissions. The modular, maintenance-friendly design with high-quality, wear-resistant materials ensures high availability with low service requirements. Integrated sensors increase process and operator safety. The integrated cooling system enables the safe feeding of temperature-sensitive bulk materials.

The CSF can be seamlessly integrated into BUSS Compounder as well as other compounding lines via adaptable interfaces and, with six sizes (depending on the material to be conveyed), covers a throughput range of approx. 50 to 10,000 kg/h.

Product features & customer benefits

- ✓ Reliable feeding even with high filler content **thanks to twin-screw forced feeding**
- ✓ Constant process control and high filling level **thanks to lateral, defined material supplying into the feed zones**
- ✓ Reduced air entrapment and dust emissions **by separating the feeding and venting chambers and employing back-venting**
- ✓ Short downtimes and quick cleaning **thanks to maintenance-friendly, modular design**
- ✓ Long-lasting operation in abrasive applications **thanks to high-quality wear-resistant materials**
- ✓ High process and operator safety **thanks to integrated sensors**
- ✓ Safe feeding of temperature-sensitive bulk materials **thanks to cooling of the feed section**



BUSS

excellence in compounding

COMPEO Side Feeder CSF

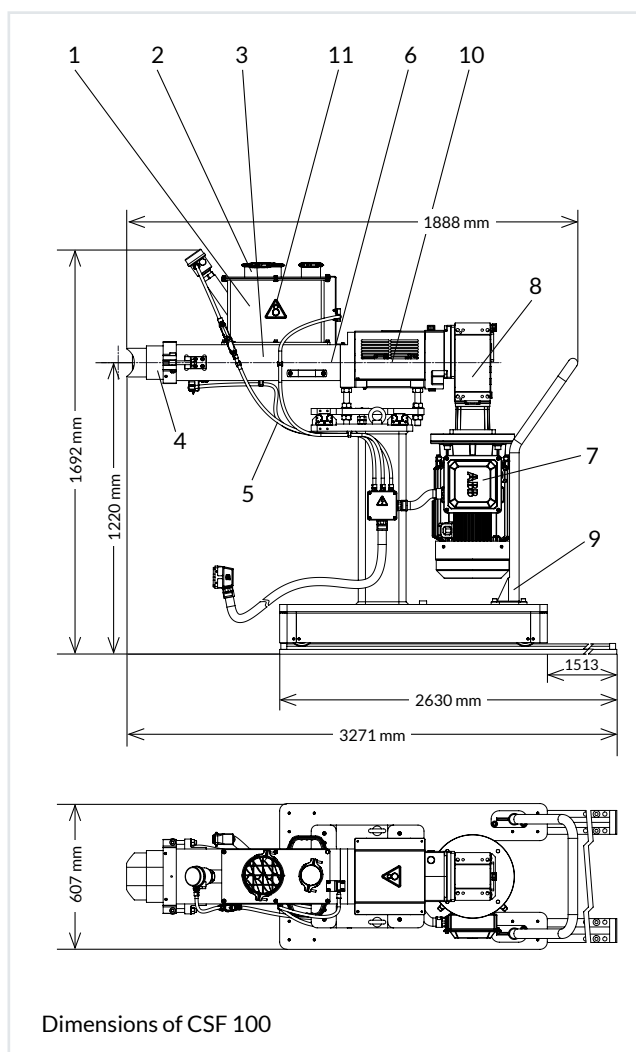
Stand-alone features

- ✓ Easy connection to both BUSS and other compounding lines thanks to **preconfigured integration**
- ✓ Reliable conveying capacity and energy-efficient operation thanks to **variable-frequency drive (VFD)**
- ✓ **Fast commissioning** and **integration** into the compounding line control (PLC)
- ✓ Customizable connection options thanks to **common and adaptable interfaces** to compounders and dosing units
- ✓ Space-saving installation and easy servicing thanks to **compact, accessible design**
- ✓ Safe and fast coupling using a sophisticated **guided mobility** and **precise coupling/adjustment**

Dimensions & Components

Components

- 1 Hopper
- 2 Hopper cover
- 3 Metering barrel
- 4 Wear bush
- 5 Cooling
- 6 Screw (internal)
- 7 Drive motor
- 8 Gearbox
- 9 Withdrawal carriage
- 10 Support
- 11 Protective installation



Overview of CSF sizes & technical data

	COMPEO LAB	COMPEO 55	COMPEO 88	COMPEO 110	COMPEO 137	COMPEO 176
Types	CSF 40	CSF 50	CSF 80	CSF 100	CSF 125	CSF 160 (in development)
Power	0,75 kW	1,1 kW	4 kW	7,5 kW	11 kW	22 kW
Speed	200 rpm (max. 300 rpm)	200 rpm (max. 300 rpm)	200 rpm (max. 300 rpm)	200 rpm (max. 300 rpm)	200 rpm (max. 300 rpm)	200 rpm (max. 300 rpm)
Screw Diameter (rounded to size)	40 mm	50 mm	80 mm	100 mm	125 mm	160 mm