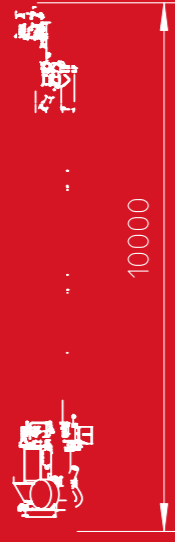


8400



10000

11500

13000





Machine pictured may include equipment sold as options.



**Easy operability**  
An online trend display, an integrated historical fault display, recipe management, a service interval display, and online access from viscotec guarantee an easy operation, quick product changes, and full support of the viscotec service team.



**Plug & play**  
The reactor is designed to fit into a 40 feet container and is fully assembled with all piping and electrical units. The installation at customer's site is done in less than one week.

The pellets or flakes are crystallized and subsequently fed to the preheater of the reactor with a temperature of approx. 160 °C for the further increase up to reaction temperature before they are transferred into the reactor, where the iV increase and decontamination takes place. After the reaction time, which depends on the final iV, the pellets/flakes are cooled below reaction temperature and transferred either directly to the production extruder without the requirement of further drying or, after further cooling, transferred to a storage silo. The final products are decontaminated, iV increased pellets or flakes with an AA content less than 1 ppm.

viscoSTAR Main data:	75	120	150	180
Max. output with pellets [kg/h]*	1200	1200	1800	2400
Max. output with flakes [kg/h]*	1200	1200	1800	2000
Net volume of reactor [m³]	7.0	10.7	14.2	17.2
Installed power [kVA]*	306	327	476	510
Energy consumption [kWh/kg]*	0.12–0.25	0.12–0.25	0.12–0.25	0.12–0.25
iV increase [dl/g/h]*	0.01–0.02	0.01–0.02	0.01–0.02	0.01–0.02
Food grade acc. to	EFSA, FDA	EFSA, FDA	EFSA, FDA	EFSA, FDA

\* Above table represents general technical data and average values, which depend on chemical composition, contamination, pelletizing, etc. of the pellets/flakes. Guaranteed values only after trial with customer material. The calculated electrical power rate refers only to the reactor and periphery of the reactor and depends on the output rate.

We reserve the right to technical modifications.

viscoSTAR 150 with vacuum unit



**New versatility**  
Starlinger viscostar reactors can be used for the iV increase and decontamination of virgin and PCR pellets as well as PCR flakes.



**Special outlet for FIFO**  
The patented outlet of the reactor is designed for a constant treatment time of the material in the reactor preventing a core flow of the flakes.



**Vacuum system**  
Condensers and vacuum filters ensure a continuous operation and are executed as a redundant system, where the reactor can be operated with 2 pumps, which allows the maintenance personnel to change filters or do service work on the third pump.

**Inline or offline**  
The reactor can be installed in front of a production extruder instead of a conventional dryer, after a pelletizing line, or as a stand alone unit, using pellets or flakes as the source material.

