

RN166 Granulator

The RN166 Low Speed Granulator was designed for the recovery of the sprues from the injection moulding process of Optical Disc.



Main characteristics

- > Extreme compactness
- > Flexibility for wide application with injection moulding machine
- > Entirely made of stainless steel (all parts in contact with the material)
- > Heavy – duty cutting chamber
- > Six disposable rotor knives
- > Two adjustable fixed knives
- > Frame on castors

Operation

The low speed rotation obtained by using one adequate motor drive with respective gearbox guarantees production of regrind of high quality, uniform granulometry and absence of powder.

The regrind is collected right underneath the cutting chamber in a suction box with smooth internal walls that ensures complete evacuation of it.

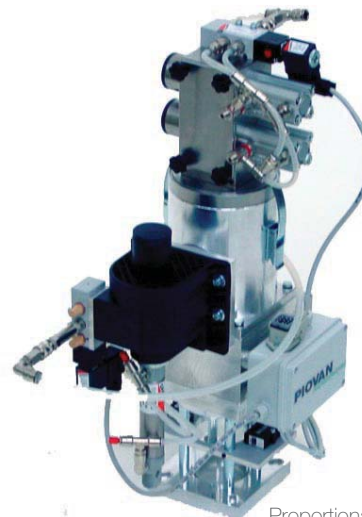
The RN166 comes equipped with power/control box on board. One overload protection preserves the motor drive from stress and one safety limit switch positioned on the lid of the rotor does not allow the unit to operate if disengaged.

Proportional valve

One or more VP Proportional Valves are supplied along with the RN166. This will allow to recycle the entire amount of regrind. If required, the VP valve can be equipped with individual control for the management of the loading cycles to mix virgin and regrind.

Interface with IMMs

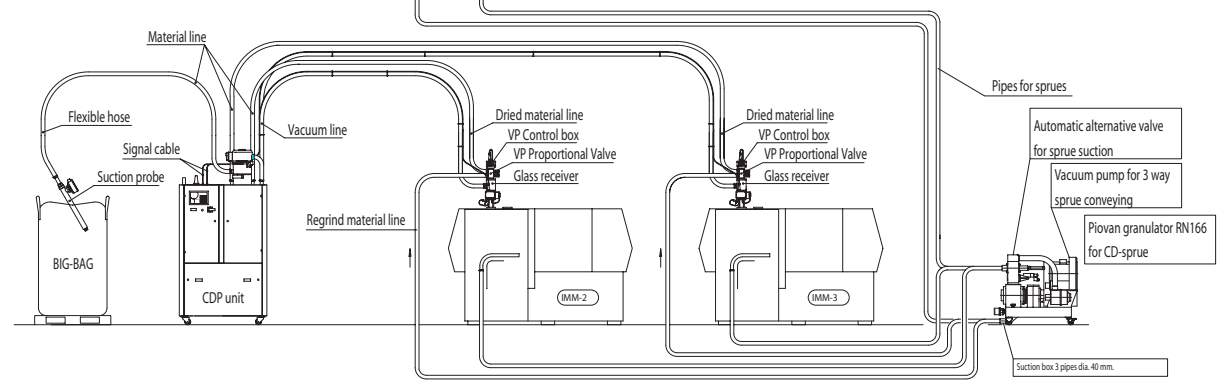
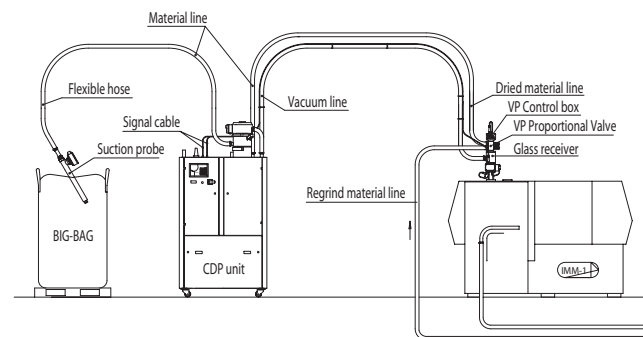
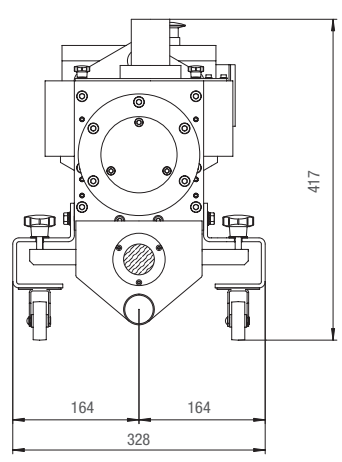
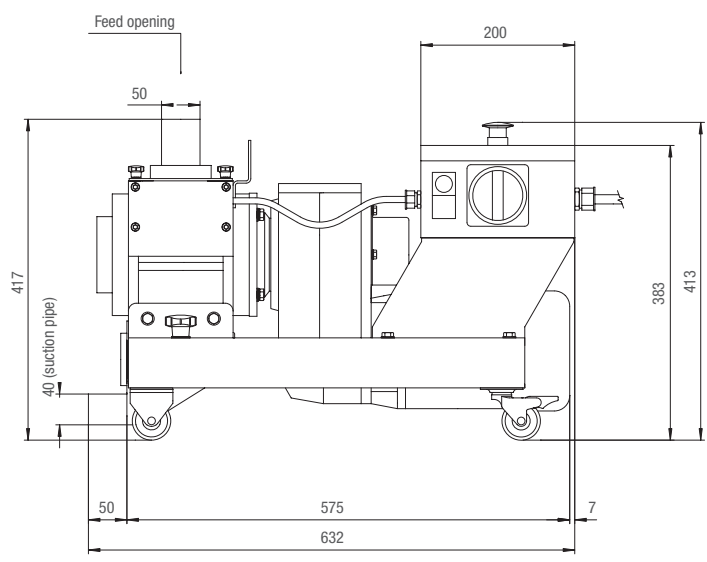
Special kits for connection to the IMMs are available



Proportional valve

Special RN166 for high production capacity

Sprues are collected from 1, 2 or 3 IMM's by means of a vacuum blower system and are conveyed into the cutting chamber. After the granulation the regrind is conveyed back to max. 3 IMM's, and is mixed with virgin Polycarbonate in the Proportional Valve mounted on the Glass Receiver.



Technical data		RN166 Granulator	
Feed opening dia.	mm	50	
Cutting chamber	mm	100 x 120	
Motor power	kW	0.75	
Weight	kg	45	

Technical data		VP Proportional Valve	
Air Pressure required	bar	4 - 8	
Air consumption at 6 bar approx.	nl/cycle	0.4	
Weight	kg	5.5	