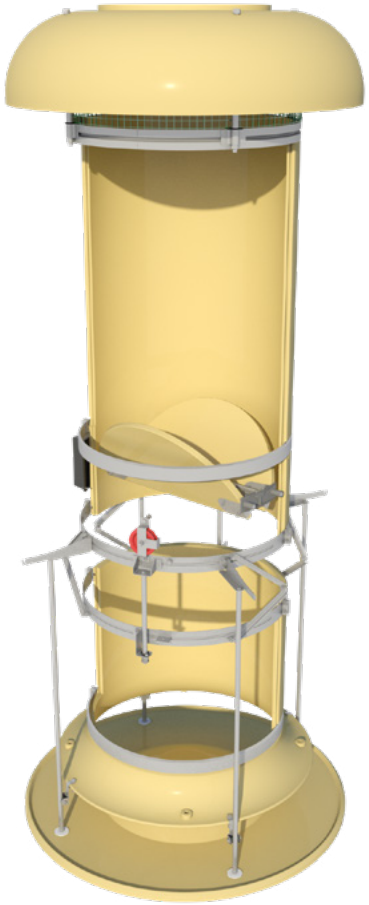
Automatic Recirculation Chimney Dynamic – ARC-D

This chimney is equipped with an adjustable recirculation opening. Because of this the ARC-D is perfectly suitable in equal pressure ventilation concepts. The recirculation opening allows warm air from inside the house to be mixed with fresh air from outside. With recirculation techniques you can save on heating costs.

The dynamic part of this chimney is in the bottom section which can freely move between the top section and the diffuser plate. When the recirculation opening increases the opening between the air guide and diffuser plate decreases. The fan speed is then adjusted to interact with these openings to always guarantee the same throw of air.

Three variables are automatically controlled to adapt to changing climate conditions. 1: the recirculation opening which is relative to the opening between the air guide and diffuser plate. 2: the fan speed. 3: the position of the damper unit's flaps to control the volume of incoming air.

* This chimney requires a fan in the bottom section. All of our chimneys are made out of high quality polyurethane.