



Backward Curved Impeller

Backward curved operate like a millwheel going backwards. They do not directionally blow air, rather they generate pressure equally in all directions and therefore no scroll housing is needed. As the motor and impeller are all one, they are lifetime balanced, and as the tips are both aerofoil moulded and turning backwards, there is no dirt pickup and very little noise. They are also impedance protected, and can be spun backwards or indefinitely jammed while powered with no effect whatever. These are selected for our application and used in an unconventional configuration to ensure that when stopped, there is zero convection, thus eliminating the need for water valves.

