



english



# RUBISEVO

EVOLUTION

**TECHNOALPIN®**  
snow experts

# RUBISEVO

## EVOLUTION

**The Rubis Evolution line is designed for high performance production** over a wide range of operating conditions, from marginal temperature and low operating pressures as well as various terrains. With its low air consumption the Rubis Evolution line offers a high degree of control over energy consumption, on new installations as well as for optimization of existing snow guns (i.e. Classic Rubis). Thanks to the shape of its head making it much less sensitive to wind and ice build-up, the Rubis Evolution line offers a concentrated jet enabling it to produce on both wide and narrow slopes, while operating with very low noise levels, making it suitable for use on slopes near housing. The Rubis Evolution line comes in manual or automatic modes, for installations with central air or with on-board compressors.

## RUBIS EVOLUTIONS – THE ALL TERRAIN PERFORMERS



**Optimum Nucleation** The nucleation equipping this snow producer line is made with new nucleators designed by TechnoAlpin. The design of these nucleators enables to reach very low air consumption. Besides, their internal design prevents the water from returning into the air stream in case of lack of air nucleation. In addition, the special design of the nucleator ensures a constant quality of the nucleation regardless of the water pressure. This will guarantee optimum and safe operations while contributing to have a constant snow quality.

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1

**RUBISEVO**  
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**One technology – multiple applications.**

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2

3

**RUBIS**WAY



To cover a wide range of snow production conditions and terrain features, the Rubis Evolution line comes with 3 different heads, **1** standard Rubis Evo head, **2** SR head and **3** Way head, but all based on the same technological platform ensuring that each snow gun from the Rubis Evolution line delivers the highest snow quality. Going further into tailoring the snow gun to the specific need of the snowmaking installation and dominant weather conditions, the Rubis Evolution line offers different nozzle configurations which will allow for an optimal adjustment of the water flow.



VAR

overground



VAR

overground



VMR

overground



no aerial valve block

overground

**RUBISVA**  
EVOLUTION

underground / snow pit valve

valve YB



**RUBISRA**  
EVOLUTION

underground / snow pit valve

valve YC



**RUBISVR**  
EVOLUTION

underground / snow pit valve

manual shelter



valve YB (optional)



**RUBISSR**  
EVOLUTION  
**RUBISWAY**

underground / snow pit valve

manual shelter



valve YB (optional)



**Rubis Evo VA** The automatic, adjustable version of the Rubis Evo for installations with central air. The VA comes with a VAR aerial control valve and a YB shelter valve. With its 3 steps, the Rubis VA offers 4 different flow combinations. **Rubis Evo RA** The automatic, adjustable version of the Rubis for installation without central air. The air is provided by a 4 kW oil-free compressor. The Rubis Evo RA comes with a YC shelter valve supplying only the water to the snow gun. **Rubis Evo VR** The Rubis VR is the manually adjustable version of the Rubis Evo, using the VMR manual control valve. It can be utilized on installations with central air, or without central air, adding a 4 kW on-board compressor. **Rubis SR and WAY** For specific applications, trails requiring occasional snow production or very narrow trails, the Rubis Evo SR, single ring and Rubis Evo WAY, can be utilized. These snow guns are ON/OFF snow guns and require central air.

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## High technology shelter valve for regulation

The Rubis Evolution line, in its regulating versions, uses TechnoAlpin YB shelter valves for the air and water supply. This in-house designed valve is packed full of innovations: Compact, low weight, 24 V electrical supply, built-in failsafe close mechanism and YSC-LV module for communication with the control software.



**RUBISEVO**  
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**Perfectly compatible components.**





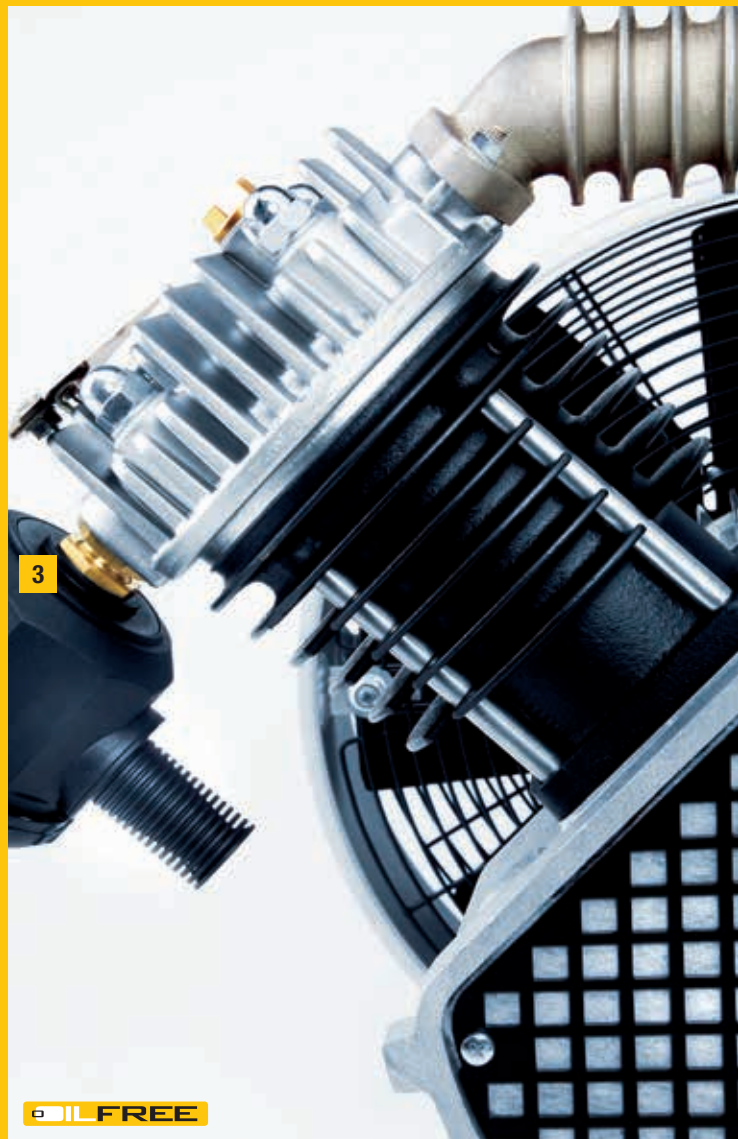
**1 Support bracket.** The design of the support bracket of the Rubis Evo with the inner passage of the air and water hoses, offers a user-friendly experience. Made of high quality and sturdy components, the support of the Rubis Evo is composed of a fixe column and a rotating column. **2 Hydraulic height adjustment.** The hydraulic jack enables to lift and lower the mast with very little effort. This makes the maintenance operations of the head of the Rubis Evo line very easy to handle. The Rubis Evo line comes in mast length of 4, 6 and 10 meters. **3 Filter unit (optional).** For even safer operations and improved snow quality, the control valve block (VMR or VAR) can be fitted with a water filter. The filter comes between the hose and the water inlet of the valves.



1



2



**OIL FREE**

**1 Weather condition measure.** The TechnoAlpin ventilated weather station ensures a precise measurement of temperature and relative humidity. The weather station comes with its mast support and connection cable. **2 Illuminated snow.** When required, lighting can be provided by an energy-saving LED headlight (option). **3 Oil free compressor (option).** When there is no central air, the Rubis RA and the Rubis VR with compressor version are equipped with an oil-free, 4 kW, air compressor. This compressor comes with an integrated cooling circuit and requires very little maintenance. It is also compact and impressively impressively efficient.





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