

# TL4

english

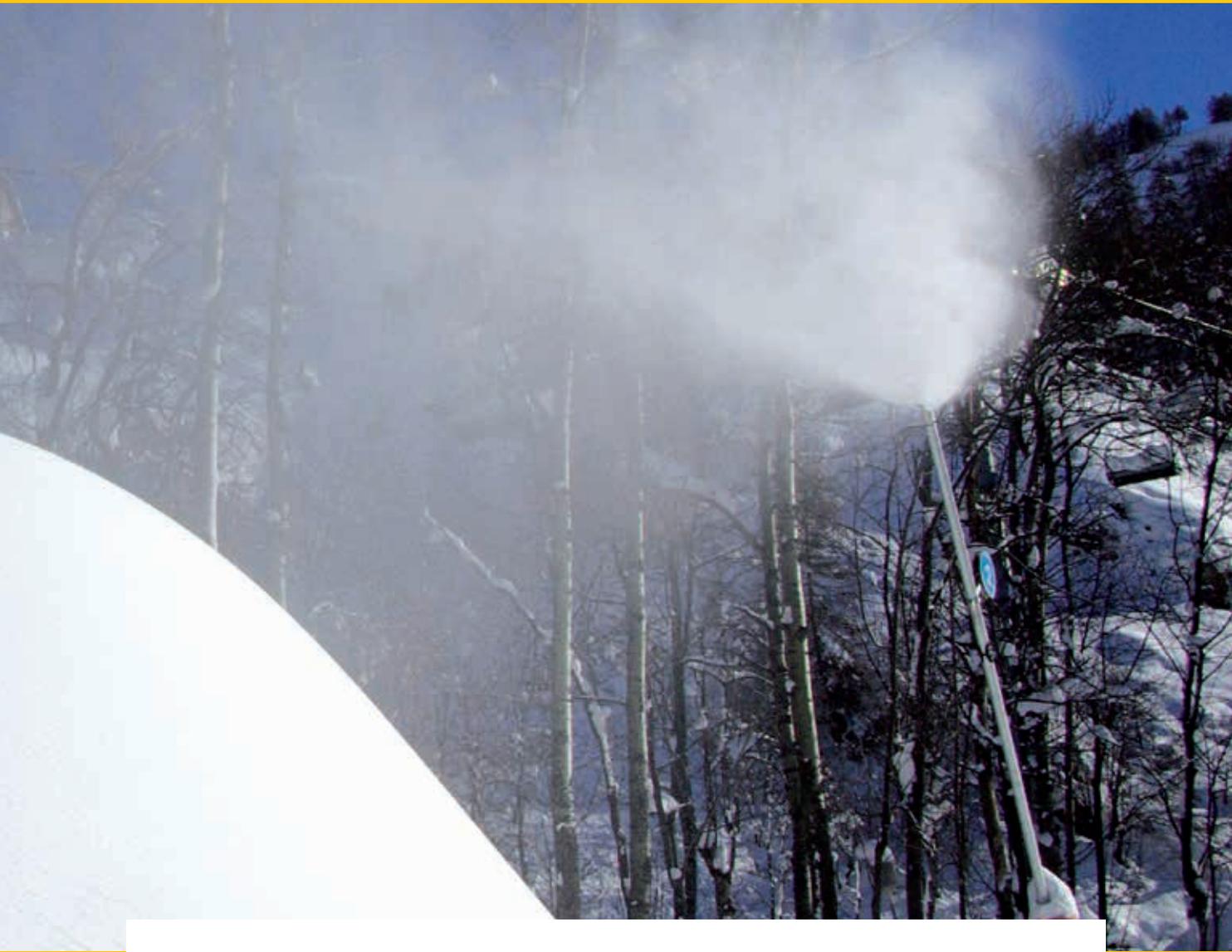


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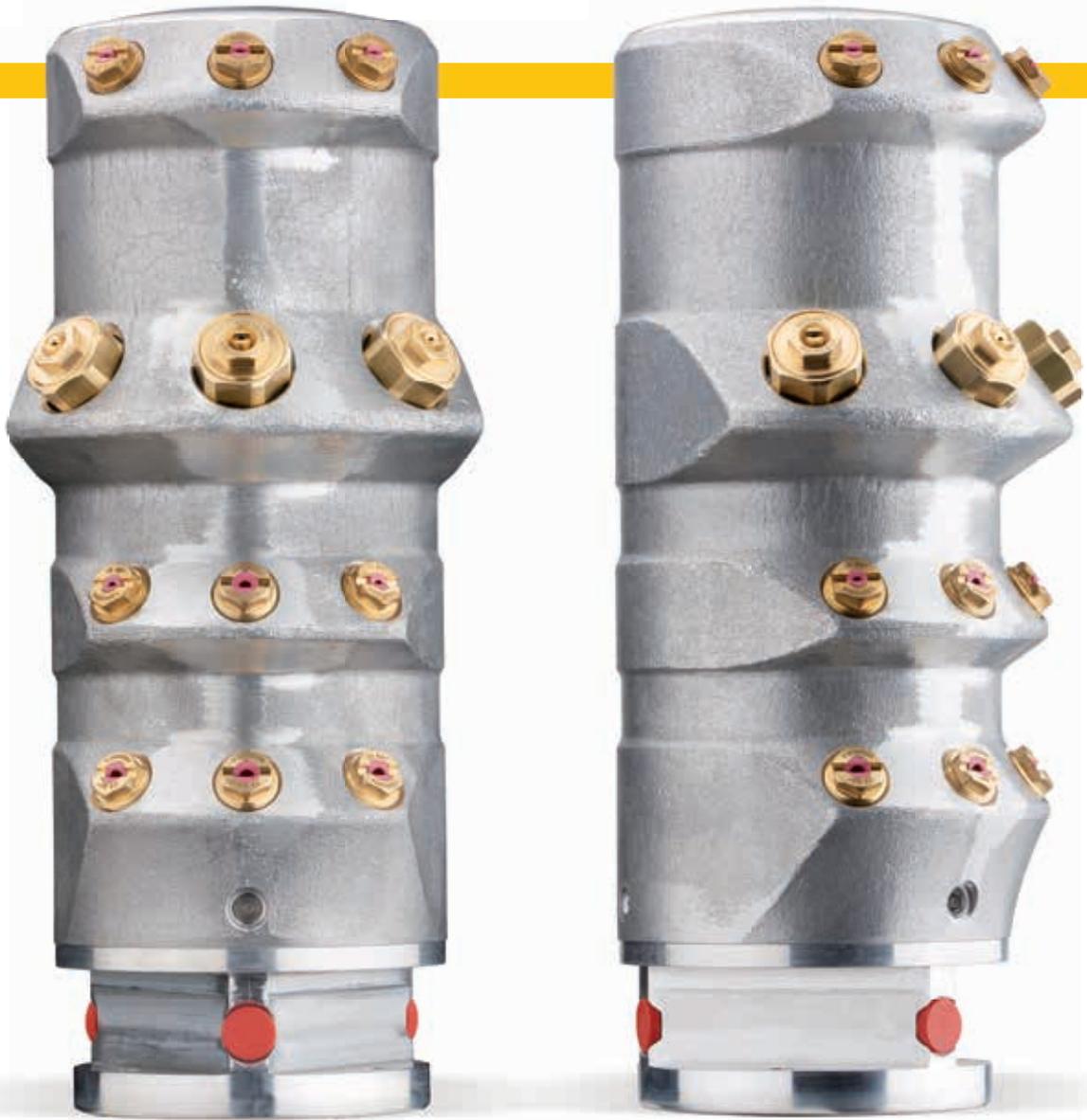
# TL4

SNOW POWER & PERFORMANCE  
IN THE HEAD



TechnoAlpin's TL4 lances, based on the reliable and proven Rubis Evolution technological platform, offer enhanced snow quality, thanks to the addition of a third nozzle on each ring. Equipped with ceramic nozzles and 3 EDA nucleators as standard, the TL4 lance is characterized also by a controlled air consumption, in order to ensure an optimized snow quality over its entire operating range, especially at marginal temperatures, but also when working with low operating pressures.

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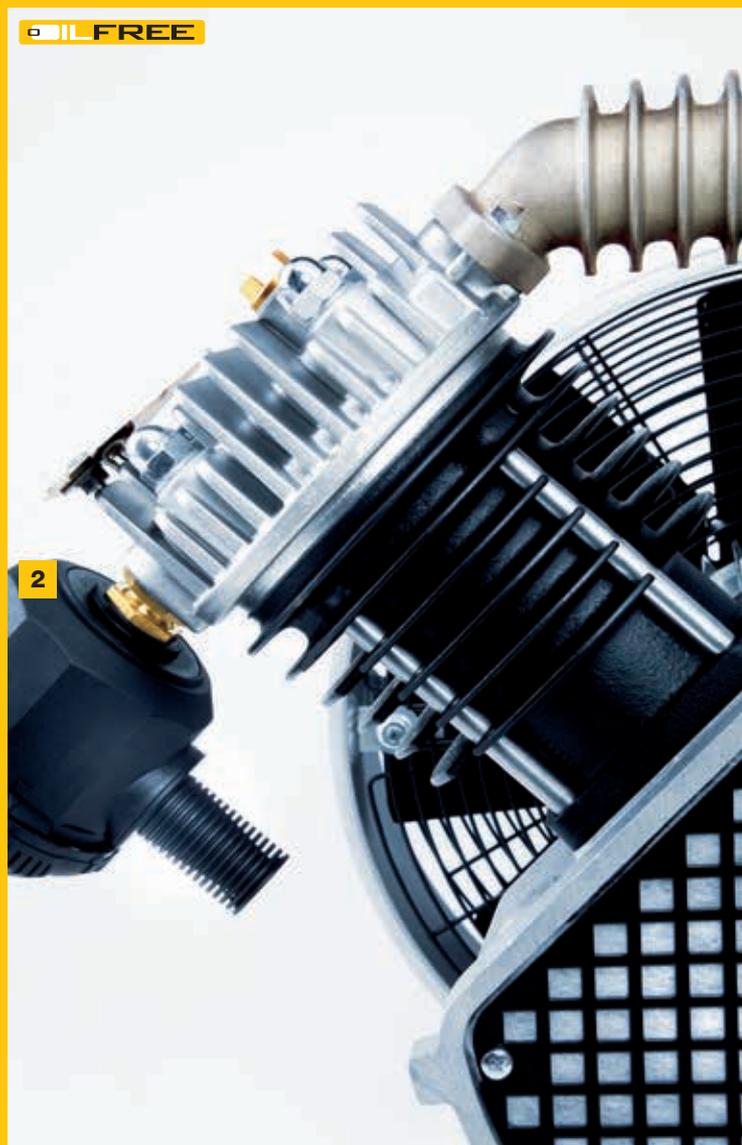


**Patented lance head** Thanks to the shape of its head, making it less sensitive to wind and frost, the TL4 lance can produce both on narrow and wider slopes, while maintaining low noise emissions. This can be advantageous for the slopes located near urbanized areas. In addition, the ceramic inserts of the wear-resistant nozzles guarantee the highest quality and homogeneity of the snow, season after season. The TL4 lance is available in a warm climate version and standard version, to meet the different dominant local weather conditions.

# TL4



**Snow of gemstone quality** The TL4 range is equipped as standard with high-end components such as nozzles with ceramic inserts, an oil-free compressor for its version without central air or the seamless filter. In addition, the second generation of EDA nucleators produce an optimized air and water mixture, independently from the water pressure. With these nucleators, the snow quality is optimal and consistent all along the slopes.



1 The new aerial valve block with water filter comes with Camlock connections for air and water. It comes as standard, as do the lightweight plug-in connector, the filter and the YB valve in the pit. The aerial valve block is positioned on the lance mast in such a way that the filter cartridge can be cleaned without climbing down into the pit. 2 **Compressor** The aluminum oil-free piston compressor with integrated cooling circuit requires very little maintenance and is also impressively robust and efficient. 3 **Plug-in base** The simple and sturdy plug connection for the mechanical structure makes it quick to fit on initial installation and just as easy to dismantle. The new plug-in base has a double hole pattern and a flat base – therefore it is suitable for various type of pits.

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**TL4**

HIGH QUALITY COMPONENTS

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**Lightweight lance construction** The robust mechanical structure is made of hot-dip galvanized steel to guarantee added stability and has plug connectors for easy mounting. The height of the lance is adjusted by means of the hydraulic lifting cylinder. The electric switchboard is compact and easy to access.



**TL4**

FULLY AUTOMATIC AND EFFICIENT



1



2



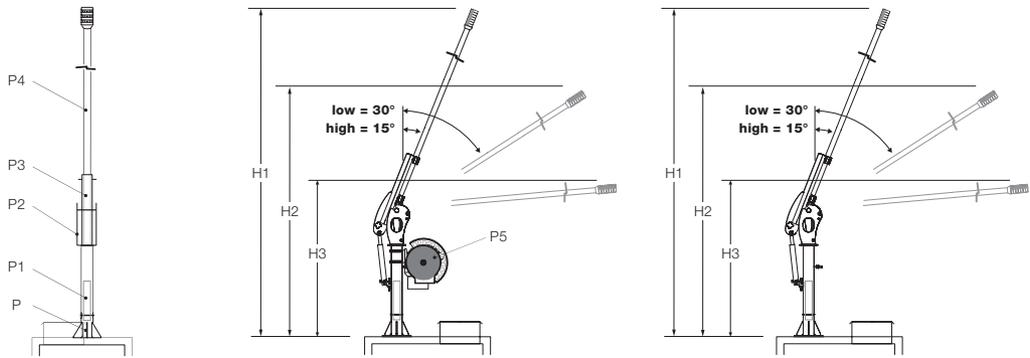
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4

1 Precision measurement of temperature and relative air humidity by the internally ventilated Techno-Alpin meteo station. 2 Lighting This is provided by an energy-saving LED headlight. 3 YB valve The automatic YB valve of pressure class PN100 regulates the lance water pressure, water throughput and airflow. The opening and closing cycle include water and air discharge. The valve has a patented closing mechanism which guarantees automatic closure in the event of a power failure. 4 Water filter The seamless WEDGE WIRE type nickel-chrome steel water filter contributes to the quality of snow produced by TL4, while protecting the ceramic inserts of the nozzles. It cleans easily and offers a long service life.

# FACTS & FIGURES



## TL4 - 4 m / 6 m / 10 m

## with compressor

## with centralized air

### Weight

Plug-in base P	20 kg	20 kg
Fixed column P1	22 kg	22 kg
Rotating column P2	26 kg	26 kg
Support lance pipe P3	20 kg	20 kg
Lance pipe (4 m) with head and VAR P4	33 kg	33 kg
Lance pipe (6 m) with head and VAR P4	52 kg	52 kg
Lance pipe (10 m) with head and VAR P4	72 kg	72 kg
Compressor complete P5	90 kg	-

### Dimensional data

Highest working position (15°) H1	4,165 mm (4 m) / 7,210 mm (6 m) / 10,350 mm (10 m)
Lowest working position (30°) H2	3,965 mm (4 m) / 6,695 mm (6 m) / 9,510 mm (10 m)
Maintenance position H3	2,000 mm (4 m) / 2,110 mm (6 m) / 2,220 mm (10 m)

### Electrical data

VAR nominal voltage	24 V	24 V
VAR power	64 W	24 W
Heating	-	25 W
Compressor voltage	400 V	-
Nominal frequency	50 Hz	-
Compressor power	4.0 kW	-
Connection plug (compressor)	5x16 A	-

### Water

Water pressure [min.]	20 bar	20 bar
Water pressure [max.]	60 bar	60 bar

### Nozzle configuration

Nucleators	3	3
Fixed nozzles	3	3
Switchable nozzles	6	6
Adjustable steps	3+1	3+1



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