



VE-23 & VE-24 TENTS





FABRIC (Actual Weight)

Canopy: 1.9 ounce ripstop nylon

Floor: 3.0 ounce coated taffeta

Flysheet: 2.15 ounce coated ripstop nylon

POLE SYSTEM AND TYPE

7075 aluminum alloy (4 six-segment poles)

TOTAL WEIGHT

4.1 kg (9 lbs. 1 oz.)

STUFFED SIZE

8" x 29"

HEIGHT AT HIGHEST POINT

1.24 m (49")

SLEEPS

2

FLOOR AREA

4.0 m<sup>2</sup> (43 sq. feet)

All weights are averages, they may differ 2-3 ounces due to a slight variance in fabric weight.

## VE 24

In 1975 THE NORTH FACE introduced the world's first geodesic backpacking tent, the Oval Intention. In 1978 we followed up our success with another: the two person, four season VE 24.

43 square feet of interior living space and a height at the peak of 49" make the VE 24 a comfortable place to sit out storms. Four poles of 7075 aluminum alloy intersect at evenly spaced points across the surface of the tent to provide stability not found in tents with only one pole intersection.

The flysheet on the VE 24, with two tunnel vents that correspond to netting on the tent body, extends to the ground and clips, via shockcord, directly onto the poles. This creates a dead air space which acts as an insulative layer to prevent condensation.

Other features include a large triangular door, backed by no-see-um netting, which has a double slider nylon coil zipper for ease of handling. Two aluminum struts, which snap onto the tent on either side of the door to provide an awning, can be removed and the shockcord around the door can be tightened for extra protection in extreme conditions.

The VE 24 has performed successfully on Annapurna, Mount Logan, and Mount Everest.

SAND  
GOLD

COLOR

VE 24



## About Your North Face Dome

The names VE-23 and VE-24 were chosen because their shapes are based on a geometrical solid known as Vector Equilibrium. It consists of six quadrilateral faces and eight triangular faces. We have truncated the Vector Equilibrium in order to yield two different tent shapes, each admirably fulfilling specific needs of the backpacker. The first number "2" refers to the number of people (plus gear) the tent is designed to sleep. The second number refers to the number of poles supporting the structure: three for the VE-23 and four for the VE-24.

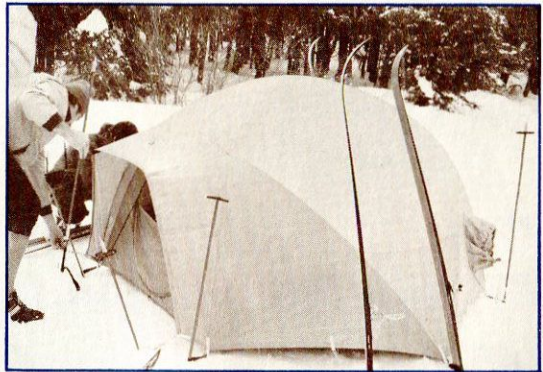
The VE-24 is a four-season tent, suitable for use in all climates and conditions. It is supported by four equal-length poles interwoven to provide seven intersections about the tent's surface. The VE-24 is the most stable tent for its weight you can buy. Its hemispherical shape is extremely efficient in shedding both wind and snow.

In addition to the advantages of the geodesic structure, the VE-24 introduces a unique design principle relating to interior climate control. (Because of the full-coverage flysheet, the tent interior can be insulated to a degree not possible with other tents. This results in a warmer tent in winter and a cooler tent in summer. It also provides better control of condensation and superior wet weather protection.)

VE-24







## Condensation

Condensation in tents occurs when moisture-laden air inside the tent is cooled at the fabric surface to the *Dew Point*, the temperature at which air of a given moisture content becomes saturated and has to give up moisture. Assuming the tent is well-sealed, the inside air will be warmer than the outside air. It will also have a higher moisture content since the occupants are constantly

giving off vapor in their breath and from their skin. Therefore, to control condensation, it is necessary to prevent the inside of the tent from cooling to Dew Point.

The North Face VE-24 has been designed to do exactly that. By having the flysheet cover the entire tent skin, an insulating layer is set up. The effect of this insulation is to allow moisture to pass through the

breathable inner layer before it is cooled to Dew Point. Condensation will occur on the inside surface of the flysheet out of contact with clothing and sleeping bags.

We know of no tent design that *totally* eliminates condensation in certain high humidity, low temperature conditions. However, the VE-24 is *the* tent that controls condensation better than any other available.

The design approach of the VE-23 permits free air exchange with its large, open vents and shorter flysheet. Such air exchange will equalize the inside and outside temperature/humidity balance. This effect is less desirable for cold weather use, but is much more comfortable in warmer, higher humidity environments.

## Ventilation

Ventilation is best accomplished by providing a means of direct air flow into or out of the tent. Very little air can pass through any tent fabric even though it may be breathable. Even porous "no-see-um" netting cuts air flow by 50%. Breathable fabric used in North Face tents will pass 2-3 cubic feet of air space per square foot of surface per minute, assuming some pressure difference from one side of the fabric to the other. The VE-24 is equipped to provide efficient air flow with its two individually closable tunnel openings in both tent and fly, along with its zippered door. The best venting is accomplished when the flysheet awning struts are in place, the door unzipped slightly and one or both vents open.





Flysheets for both the VE-23 and VE-24 have awnings which protect the tent entrance from rain while providing good access, visibility and ventilation. Short aluminum wands fit into webbing pockets sewn to the fly. The other end of the wand snaps into place above the tent entrance. For a tight pitch, stake out the ends of the awnings to the ground. In storm conditions, the tent entrance can be further protected by removing the awning wands and closing the shock-corded loop along the bottom of the door. The entrance is now protected against the most severe storm conditions.



**VE-23**



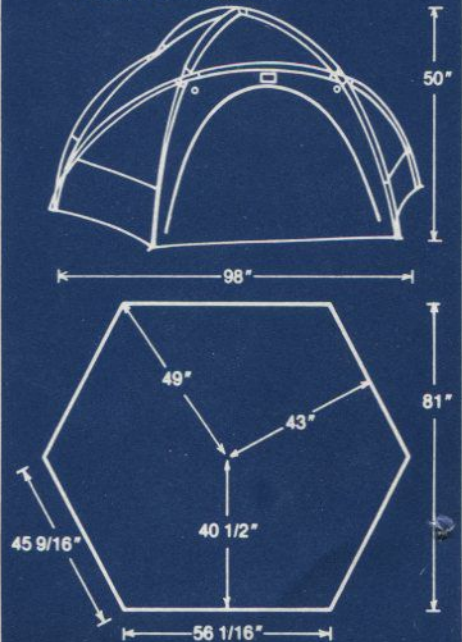
**VE-24**

When the VE-23 and VE-24 are properly pitched, you will notice that the floor seam surrounding the tents lifts up off the ground. This will prevent direct contact of this vulnerable seam with the ground.

## VE-24 SPECIFICATIONS

### DIMENSIONS

Shape: Irregular Hexagon  
Floor Area: 43 ft.<sup>2</sup>



### WEIGHT

Tent	3 lbs. 9 oz.
Flysheet	1 lb. 4 oz.
Poles	2 lbs. 2 oz.
Pegs, seam sealant, cords, stuffsack	12 oz.

**TOTAL** 7 lbs. 11 oz.

### MATERIALS

Floor: 104 × 88 70 denier nylon taffeta with 1.5 oz. per sq. yd. urethane coat. Total weight 2.8–3.0 oz. per sq. yd. Flame retardant.

Top: 110 × 98 70 denier 1.9 oz. per sq. yd. nylon ripstop. Flame retardant.

Flysheet: 140 × 95 50 denier nylon taffeta with ¾ oz. per sq. yd. urethane coat. Total weight: 2.2–2.4 oz. per sq. yd. Flame retardant.

Mosquito Netting: Tricot knit nylon, "no-see-um" proof. Flame retardant.  
Zipper: YKK #7 Nylon Coil.



## THE NORTH FACE FULL WARRANTY

All North Face products are fully warranted to the original owner against defects in materials and workmanship, except as qualified below. \* If a product fails due to a manufacturing defect, even after extended use, we will repair the product without charge, or replace it at our option.

Repairs due to accident, improper care, or negligence, where we are not at fault, will be performed for a reasonable charge. Please return the product to your nearest dealer, or to The North Face Repair Department, 1111 Eighth Street, Berkeley, California 94710.

California state law requires that sleeping bags accepted for repair be clean; there is a \$6.50 charge for cleaning when a dirty bag is repaired.

This Warranty gives you specific legal rights, and you may have other rights which may vary from state to state.

\*North Face products insulated with PolarGuard® or 3M Thinsulate® will provide many years of service if properly cared for. However the useful life of these materials is not yet known. Therefore The North Face warrants the intended functions of these materials for three years from the date of manufacture. All other components of PolarGuard® and Thinsulate® products (stitching, snaps, zippers, etc.) are covered by the Full Warranty above.

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THE  
NORTH  
FACE

