

Class A Evaporation Pan

Meteorology

General Description

The Class A Evaporation Pan is a standard device for **manual measurement of evaporation** (Australian Bureau of Meteorology Class A type). The pan represents an open body of water: It is filled with water and exposed on a flat plateau. The evaporation rate is calculated by the change in level of the free water surface (daily manual readings) and the recorded rainfall (in millimetres). Data can be calculated for any period required for estimation of evaporation and evapotranspiration rates.

Installation

The pan is normally installed above the ground level on a wooden pallet set (provided) on flat ground to ensure air can freely circulate under the pan. The location should not be adversely affected by shade and free from surrounding obstructions such as trees, buildings, shrubs or instrument shelters. The pan should not be placed directly upon a concrete slab or asphalt. Above that it has to be ensured that water does not enter the pan from the surrounding ground during wet weather events.

A fix point gauge (a cylinder with a base that sits in the pan) helps to fill the pan to the required water level which is indicated by a stainless steel pointer (part of the gauge).

Applications

Class A Evaporation Pans are frequently used within networks in order to obtain information about evaporation on a routine basis. The Class A Evaporation Pan is especially suitable for

- Meteorology
- Irrigation
- Hydrology
- Water Resources Management

Features

- High-quality product:
 - Fully welded construction with no sealant used in the construction
 - Each KISTERS Class A Evaporation Pan fully tested for leaks after welding
- Robust construction
- Easy to setup
- Manual measurement



Technical Specifications

Material	Stainless steel, non-corrosive
Construction	Welded
Size	<ul style="list-style-type: none">- Height: 255 mm (10")- Diameter: 1225 mm (48.2")
Models	<ul style="list-style-type: none">- EP: Class A Evaporation Pan without any accessories- EP/BG: Class A Evaporation Pan with bird guard (see below)
Shipping size and weight (crated)	<ul style="list-style-type: none">- EP: 140 x 140 x 50 cm, 60 kg (55.1" x 55.1" x 19.7", 132.3 lbs)- EP/BG: 140 x 140 x 85 cm, 90 kg (55.1" x 55.1" x 33.5", 198.4 lbs)

Accessories

Bird Guard:

A wire-mesh screen supported over the pan.

Fix Point Gauge:

A gauge which sits inside the pan, a stainless steel pointer being the reference datum level for water in the pan.

Measuring Cylinder:

A plastic cylinder (4 litres volume) with graduations for removal and replenishment of water in the pan.

Standard Rain Gauge:

Manually read rain gauge (diameter 203 mm (8")) designed to Australian Bureau of Meteorology specifications complete with measuring flask.

Timber Pallet:

For mounting of Class A Pan.

[Please ask for details.](#)

Reseller

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