

A huge problem with rockwool is over watering which makes nutrients unavailable for the plant to uptake. Rockwool has a very low CEC (Cation Exchange Capacity) of 3%. CEC is a measure of how many cations can be retained in the rockwool. A low CEC means plants can't uptake or wick nutrients from rockwool easily. So, only while the plant is being fed nutrients can its uptake cations easily (such as Calcium, Magnesium, Iron, Manganese, Copper, Potassium, Sodium, Zinc and more). This is why rockwool needs to be fed multiple times per day without over watering to keep nutrients and oxygen available for uptake to the plants allowing (EC) levels to stay even from top to bottom of the rockwool block. The problem with low (CEC) rockwool are finally over by using the complete **Pro 360** precision irrigation system.

The **Pro 360 Cap** is automation that is designed for the future with inside and outside watering/feeding technology the plant grows faster when watering/feeding close to the stem of the plant until the roots are fully established. The **Pro 360 Cap** will water/feed 360 degrees around the stem of the plant without wetting the stem. This will allow as little as 25ml. of water/nutrient to evenly feed multiple times (1-20) per day 360 degrees around the plant without over watering. This keeps vital oxygen levels high, EC levels stable and the rockwool or CoCo/Peat block stays moist not wet for maximum nutrient uptake, root respiration and photosynthesis. The **Pro 360 Cap** also blocks out light so there is no algae or mold growth to slow oxygen down and it lets the rockwool or CoCo/Peat block breath just the right amount of air for quicker dry-backs. The self-attaching water line requires no clips to hold the single water line. Designed not to clog when using synthetic salts or organic nutrients (unlike drip emitter systems).

The **Pro 360 Cap** is a big part of the automated precision irrigation system that allows you to water/feed small amounts of nutrients multiple times per day. Rockwool requires short bursts of water/nutrient to bring the rockwool to full water capacity (49% - 75% in Vegetative); (43% - 75% in Transition) , (46% - 75% in Flower) and (40% - 70% Ripe) without over watering or over feeding allowing more control of desired dry-backs and plant steering to increase crop productivity yields and quality.

The **Pro 360 Cap** is automation at its finest with the best reliable method to distribute water/nutrient to rockwool and CoCo/Peat blocks with precision and reliability. You could have the best nutrients in the world but you still need an accurate and reliable way to disperse the nutrients with precision or they are a waste. Failed old methods such as tedious inaccurate hand watering, over soaked flood & drain, dual water lines with drip emitters with drip stakes that channel water straight down, feed unevenly, over water and clog are not precise, accurate, reliable or distribute nutrients with precision and failed attempts at rockwool block caps that disperse the wrong amount of nutrients unevenly to all the wrong places.

The **Pro 360 Cap** works best when used with the **Pro 360 Water Distributor** for even water/nutrient distribution and the **Pro 360 Oxygen Pod** for even drainage and increased oxygen. Over 6 years of research and development was committed to create this futuristic hydroponic top-feed system that distributes nutrients effectively with precision and is made in the USA.

Patent Pending



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