

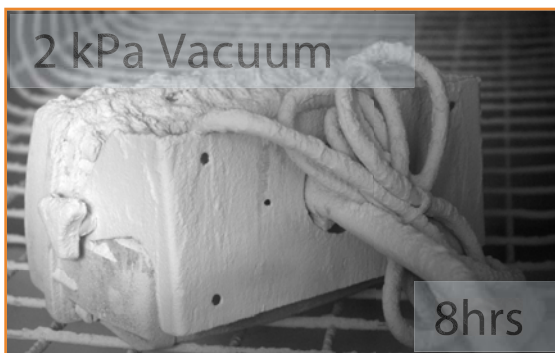
what is an IP Rating and how does it apply to weighing?



If somebody wanted to weigh vegetables in a food production facility, what conditions would that product be subjected to? Yes, potentially lettuce leaves and carrots - although not a great concern, but how about at cleanup time when the entire facility is washed down with detergents and high pressure jets of water? Or what if you need to weigh concrete in a dusty and dirty environment such as a building site. Would the product survive an extended period of time in these environments?

IP DUST LIQUID INGRESS INGRESS K

IP or Ingress Protection ratings represent a products ability to resist foreign matter including water and dust from getting inside the casing and causing the product to fail or become unsafe. The IP Rating for a product is denoted by two digits - the higher the numbers the more impermeable the unit is to foreign matter . The first digit indicates object/particle protection, the second indicates moisture/liquid ingress protection. IP Ratings means the customer can select the correct product for the intended environment.



X320 undergoing IP6 dust ingress test for approvals - vacuum hoses are attached to try and suck dust into the casing



X320 undergoing IP_9K moisture ingress test. High Pressure High temperature water is blasted onto the casing at different angles from 10-15cm away

An IP68 & IP69K approved housing

To further test our housings, they undergo an IP68 test as well which means the unit is completely submerged.

IP68 PASS REQUIREMENTS	IP69K PASS REQUIREMENTS
First Digit Ip6_ Test: 8 Hours in a dust chamber with a vacuum hose attached to the housing to try and draw dust into the unit.	
Second digit ip_8 test: 1 hour of submersion under 2 metres of water no ingress of moisture	Second digit ip_9k test: Unit is protected against ingress/damage during high pressure steam cleaning. Hot water sprayed against the housing from every direction at very high pressure must not cause damage (only applies to din 40050 part 9 testing).