

Indac EzyTap



The revolutionary EzyTap is designed to meet the needs of low pressure piping and water tanks.

1) What materials are the parts of this product made from?

The rigid parts of the EZY Tap are produced from the materials as listed below.

All Rigid Parts are produced in 30% Glass Filled Nylon 6, this material is used world-wide for drinking water supply, plumbing, irrigation fittings and the automotive and construction industries.

The Seal is produced using a specially formulated and compounded Thermoplastic Elastomer which is commonly used in drinking water supply, plumbing irrigation fittings and the automotive and construction industries.

Both materials are also UV Stabilised and conform to the FDA requirements of 21 CFR 177.1500

2) Environmental Durability and Reliability Testing

The product was designed in mid-2008 and parts were first produced in early 2009, the product has been on test since the first date of manufacture in 2009 and is still performing well with no signs of deterioration.

Test conditions are as follows:

- 1) The EZY Tap has been fitted to an 80 Ltr Tank and pressurised to 60 PSI
- 2) Once per month the fitting is checked for any visual deterioration and the tank pressure and water level are checked to ensure there has not been any leakage through the fitting.
- 3) Once the above has been performed the pressure is released from the tank and then the tank is pressurised back up 60 PSI
- 4) Environment tests are carried out in: Outdoors external exposure to all weather in Blenheim New Zealand, Blenheim consistently has the highest sunshine hours of any City or Town in NZ and the UV exposure in NZ is at some of the highest levels in the world due to the ozone depletion in the atmosphere, Blenheim is also exposed to frost during the winter with the frosts ranging between Zero Degrees and Minus 6 Degrees Celsius

Six of the 50mm (2") Fittings have been on test for a period of 5 years and 3 months in a commercial environment where they are fitted to a 3200 Ltr Foamed Tank connected to a fridge cooling unit, these fittings have performed well with no signs of deterioration and no issues with leakage or performance.

We have also had selected clients test and use the EZY Tap in NZ in their products, they have been using this product for a period of 4 years with sales of these fittings to these clients being in the thousands.

Based on the above extensive and rigorous testing regime and the results of the products in use in NZ. It is now that we have decided to fully release this product to the market with full confidence that we are producing a versatile and long-life product.

3) What are the Operating Ranges

Pressure: We currently recommend an operating range of 1 to 60 PSI, we are currently undertaking further testing at higher pressures to determine if there is the option to increase this operational range.

Operational Temperature Range: Both materials used in the manufacture of the EZY Tap are suitable for use in environments with temperatures ranging from Minus 20 degrees to 100 degrees Celsius

- 4) **Chemical Resistance** Whilst both materials exhibit excellent chemical resistance to a large range of chemicals it is best to refer to the charts below to confirm that the intended use of the EZY Tap is compatible with the chemicals it will encounter
- 5) **Environmental:** All components of the EZY Tap are produced in Thermoplastic polymers and can be easily recycled and remoulded
- 6) **Health & Safety Risk Reduction for Installer;** Due to the design of the fitting this means you no longer have to climb inside a tank to do up a nut etc, the EZY Tap is easily fitted from the outside all you need is a drill and the right size hole saw.

7) Cost Reduction and Advantages of The EZY Tap

The EZY Tap gives a flexible joint and seal interface between the Tank and the fitting allowing this to flex and reduce the stress on the tank wall, greatly reducing the risk of stress cracking the tank

You don't need a highly trained person to fit an EZY Tap Fast and quick to fit.

Almost nil risk of damage to the product that the EZY Tap is being fitted too.

Remove the necessity of moulding in stainless or brass threaded inserts only to find that they have not been loaded correctly or adhered correctly and the new moulded product is now a reject.

Easy to use to replace damaged moulded in inserts or fittings just drill them out and fit an EZY Tap

The end user can fit an EZY Tap to a tank to ensure they have the outlet/inlet where they want it

The EZY tap can carry any normal load that any other type of plastic plumbing fitting can bare, but also has the advantage of the flexible interface with the tank thus greatly reducing the risk of stress cracking the tank

8) What's in the pipeline; We are currently working on the design of a EZY tap with an internal thread included and surveying our customers to get an idea of possible volumes that will be required so we can make a



determination that there is a viable market for internally threaded fittings.

Please note all data and information supplied in this document is a guide only, we have based this data on information we believed to be reliable on the date this data was compiled. The user is solely responsible for all determinations regarding the use of these products and the environment they are to used in.

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