

## ATF

## Allen Tap Changer Filter

## Specifications

<b>Width</b>	48 in (121.9 cm)
<b>Height</b>	60 in (152.4 cm)
<b>Length</b>	12 in (30.5 cm)
<b>Weight</b>	260 lb (117.9 kg)
<b>Flow Rate</b>	3 or 5 gal/min (11.4 or 18.9 L/min)
<b>Water Removal</b>	Optional filter element required
<b>Particulate Removal</b>	> 5 $\mu$ m
<b>Pre-Filter</b>	Solids filter element
<b>Pump/Motor</b>	0.5 hp (372.8 W) TEFC electric, close-coupled
<b>Power Supply</b>	460 V, 60 Hz, 3-phase 380 V, 50 Hz, 3-phase 230 V, 60 Hz, 3-phase 110 V, 60 Hz, 1-phase
<b>Operating Pressure</b>	120 psi max. (827,370.9 Pa)
<b>Inlet Connections</b>	0.75 in (1.9 cm), NPT
<b>Outlet Connections</b>	0.75 in (1.9 cm), NPT
<b>Control Interface</b>	Programmable logic controller Forward/reverse switch Touch screen interface (optional) Emergency stop
<b>Safety Shutdown Alarms</b>	Differential pressure switch Cabinet flood switch
<b>System Gauges &amp; Indicators</b>	Differential pressure Cabinet temperature
<b>Materials of Construction</b>	NEMA 4 enclosure
<b>Code Construction</b>	ASME



## Features

- Extends the tap changers life by restoring the oils dielectric strength
- Reduces oil changes
- Reduces solid particles down to 5  $\mu$ m
- Designed for continuous operation or on a schedule with the on-board timer
- Removes water with optional water and solids filter element

## Applications

- Tap changers
- Insulating oil

The Allen Tap Changer Filter system (ATF) provides optimal conditions for oil-filled transformer tap changers used in a variety of circumstances all over the world. The ATF increases reliability and service life of the tap changer as well as reduces the overall cost of the maintenance program. The ATF provides solid, proven, and exclusive benefits that allow for cost-effective operation and reduced oil changes while decreasing the risk of explosion or damaging arcing. The programmable logic controlled touch panel makes it easy to operate the timer or manage any of the functions of the ATF. Continued use of an ATF on a transformer tap changer will restore the oils dielectric strength and remove particle contamination down to 5  $\mu$ m. The ATF has proven itself over the years as the investment that provides the power industry a reliable, sustainable, and feasible solution to the challenges of managing a transformer tap changer.