

# RO Protection Filter

INDUSTRIAL FILTRATION | INDUSTRIAL WASTEWATER TREATMENT | PROTECT RO

## Tire Manufacturer - RO Protection Filter

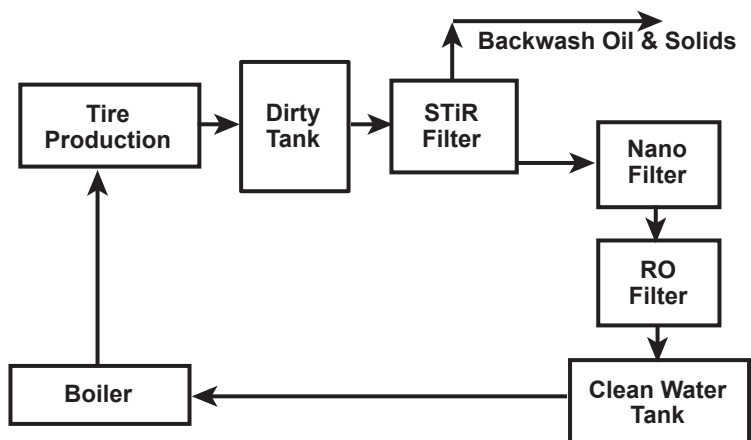
### PRODUCT USED:

**STiR industrial Water Filter**



END USER:	Tire Manufacturer
LOCATION:	Midwest, USA
UNITS:	(1) Model STiR-12V
FLOW RATE:	70 gpm
PROCESS:	Oily Condensate Filtration from tire curing process

### RO PROTECTION FILTER-PROCESS FLOW DIAGRAM



### MORE INFO

Water is boiled (in a boiler) and utilized in curing equipment to manufacture tires. This hot water does not contact the tire directly, but does contact the curing equipment. Once curing is complete the hot water (containing oil and grease) is sent to waste.

Originally, their process flow sheet was to filter condensate water with Bag Filters (10 and 1 micron)-> Nano Filter (0.01 micron)-> Reverse Osmosis (0.0001 micron), to make acceptable boiler feed water. The membranes had been taken out of service for some time as oil and grease upsets in the process slug the membranes and operation of the equipment is not sustainable.

The backwashable STiR industrial water filter was pilot tested for 4 months to prove that it can viably remove the oil and the membranes can be placed back in service.

The STiR filter protects the RO system, helping you operate

your Nano filter and your Reverse osmosis membrane without contaminants causing problems.

Reuse of the hot process water saved significant amounts of time and money because heating cool water is no longer required.

The Filtra Systems STiR filter was selected for evaluation in this industrial wastewater treatment application due to ability to remove a high percentage of suspended solids. They quickly discovered how the dynamic backwashing method is self-cleaning, with minimal backwash volume and support time.

Even better, the walnut shell filter media is a sustainable technology and will last for the life of the product.

**We're Waiting For Your Call, 248-427-9090. We promise, 100% guarantee the STiR will protect your RO systems saving you time and money.**