



# PRODUCT PROFILE

## Muscle™ Compressor Coalescer Reduces Waste by 98%

A compressed air system produces condensation, which is the moisture that drops out of a compressed air flow as it cools. This condensation will contain oil if the compressors uses lubrication in its compression chamber. These include oil-flooded rotary screw compressors and reciprocating compressors with lubricated cylinders. This oily water mixture causes an environmental concern, as there are local regulations limiting the amount of lubricants that can be drained into municipal sewer systems.

Treating condensate waste on site is simple and effective utilizing the Muscle Compressor Coalescer's gravity separation method, and lowers wastewater costs by up to 98%:

- Condensate is mostly water. Expect a 50:1 ratio, 50 parts water to 1 part oil (or just 1 gallon of oil in a 55 gallon drum of condensate).

- Air systems can produce an enormous amount of condensate each day. A 100 HP compressor operating in a climate of 70°F with 80% humidity generates 2 gallons of condensate each hour.

- Disposal companies charge between \$150 to \$250 to dispose of a 55 gallon drum of compressor condensate.

The savings are considerable if you separate your condensate on site, paying only to dispose of the oil:

- If you use the numbers above, a 100 HP compressor, operating 24 hours, will produce a minimum of 48 gallons of condensate a day and only 0.96 gallons of this is oil. It will take you 57 days to accumulate (1) 55 gallon drum of oil with a minimum disposal cost of \$150.

- In that same 57 days, without separation, you will accumulate almost (50) 55 gallon drums of condensate with a minimum disposal cost of \$7,500. The Muscle saves you over \$7,000 in disposal cost during 2 months of operating!

Robust, yet simple, the Muscle Compressor Coalescer fits any budget, and almost any size compressor system.

Do not be fooled by expensive systems with filter elements that require frequent replacement. Although the elements capture dirt, rust, or scale, these are not commonly regulated contaminants or in abundance to pose environmental concern.

Contact Zebra today to determine if this system will meet your needs, providing effective treatment to dispense direct to the drain!

### Features Include

- Durable, translucent barrel
- Spin-welded fittings to prevent leaks
- Coalescing media increases surface area for oils to readily collect and separate
- No consumable components
- Manual oil drain spigot
- Automatic air release vent
- Automatic de-oiled water drain port
- Will not overflow
- Limited three year warranty!



- 1- Condensate Inlet
- 2- Clean Water Discharge
- 3- Waste Oil Discharge
- 4- Coalescing Media

Part Number	Description	Dimensions	Inlet Pressure, max.
F15AC	Muscle Coalescer for Air Compressor Condensate	17" Ø x 20" high	150 psi

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