Nano S SEP 3500 ST Oil Water Separator

SEP3500ST



Description

The Ultramax Systems SEP3500ST is a high capacity oil water separator for compressor condensate on systems up to 3,500 scfm (5,947 Nm³/hr). Condensate enters a pressure relief chamber that dissipates the discharge energy, then flows calmly into a filter bed built inside a standard IBC. Polypropylene shred removes bulk oil and an oil-adsorbing medium cleans the condensate to below 5 ppm for discharge to the foul sewer. With no moving parts and no power, it needs only a weekly outlet check until the complete IBC is exchanged after 16,000 hours or 2 years.

Features

- No moving parts: no floats, weirs or oil containers
- No power consumption
- No pre-soaking. Connect the condensate drains and leave it to work
- Outlet tee and tap for weekly quality checks
- Vertical extension pipe prevents siphoning in the discharge line
- Pressure relief chamber and outlet pipes are kept and reconnected at service exchange
- Works on mineral oils and mineral-based synthetics

Applications

- Large compressor installations up to 3,500 scfm
- Treating condensate from oil-flooded compressors on mineral or mineral-based synthetic lubricants
- Plant rooms discharging treated condensate to the foul sewer

Specifications

Ultramax Product Code	SEP3500ST
Max Capacity	3,500 scfm (5,947 Nm³/hr, 100 m³/min)
Inlet Connections	2 x 3/4" BSP
Outlet Connection	22 mm pipe
Service Life	16,000 hrs or 2 years, whichever comes first. 8,000 hrs (12 months) at 5,000 scfm
Media Replacement Kit	SEP-SK3500
Condensate Inlet Limits	232 psig max, 1.0 to 40 °C
Max Oil Carry-over	< 20 ppmv at end of media life
Dimensions L x W x H (mm)	1270 x 800 x 1350
Approx. Weight at Disposal (kg)	650

Sizing assumes an oil-flooded compressor on mineral or synthetic lubricant with oil carry-over of 5 mg/m³ or less. Not recommended for PAG (polyglycol) lubricants. Where used, de-rate flow capacity by 50%.

Feed the separator from automatic drains only. Air from a manually opened drain valve floods the unit and stops the separation process. It is the user's responsibility to verify discharge allowances in their region.

At end of service life, take the complete IBC with its filter material and oil residues to a registered disposal site.