

MeeFog™ Wet Compression Pump Skids

What it does:

Wet compression consists of injecting pure water fog into the inlet of a gas turbine engine in order to improve output and heat rate. When the water droplets evaporate inside the compressor, they reduce the temperature and significantly reduce the work of compression, which means more power is available at the output shaft. Wet compression produces a power boost of 5% to 10% for each one-percent (of the air mass flow) of water injected.



Features:

- Rugged corrosion resistant stainless-steel open frame design for easy maintenance
- Water lubricated stainless steel pumps with 8,000 hours service cycle
- 10 micron high-pressure filter with pressures gauges before and after
- PLC for fog and staging control
- Color touch-screen interface
- Optional variable frequency drives for extra energy savings.

Recent Installations:

- Tuxpan, MX, 4 x M501F with 1% wet compression
- Victoria, TX, 1 x M501F with 2.2% wet compression
- Hermosillo, MX, 2 x SGT-6000 with 1% wet compression
- Dayville, CT, 2 x GT-24 with 1% wet compression

MEEFOG™ PUMP SKIDS FOR WET COMPRESSION

Model	Pump Unit Capacity	Motor	Power	Max Temp. (Ambient)
WC-30	30 GPM or 6.8 M ³ /HR	50 HP or 37 KW	380V 3PH 50HZ or 460V 3PH 60HZ	120° F or 50° C
WC-60	60 GPM or 13.6 M ³ /HR	2 X 50 HP or 75 KW		
WC-90	90 GPM or 20.4 M ³ /HR	3 X 50 HP or 112 KW		
WC-120	120 GPM or 27.3 M ³ /HR	4 X 50 HP or 150 KW		