

CMP-355

Liquid additive system

APPLICATIONS

- Meters and delivers liquid additives for cement slurry blending
- Meters up to six different liquid additives into the displacement tanks

ADVANTAGES

- Four pneumatic diaphragm pumps, each of which can provide up to 35 galUS/min [132.5 L/min] of various liquid additives, tailored to the cement slurry recipe
- Additive metering with the metering tank or optional computerized metering racks CMP-751 or CMP-756
- Up to six rack-mounted diaphragm pumps with suction and discharge manifolds
- Control panel
- Metering rack with up to four tanks; control valves and support for installation onto displacement tanks
- Two lightning mixers

The CMP-355 liquid additive system meters and delivers liquid additives for cement slurry blending. The additives are shipped to the rig and dispensed out of the tote tanks, reducing transfer of chemicals and cleaning of tanks on location.



CMP-355 liquid additive system.

CMP-355 Specifications

	4 Line	6 Line
General		
Pumps	Pneumatic, diaphragm type	Pneumatic, diaphragm type
Discharge pressure, psi [MPa]	100 [0.69]	100 [0.69]
Discharge flow rate per pump, galUS/min [L/min]	35 [132.5]	35 [132.5]
Air supply pressure, psi [MPa]	70 to 115 [0.48 to 0.79]	70 to 115 [0.48 to 0.79]
Maximum pressure, psi [MPa]	150 [1]	150 [1]
Pump air consumption, ft ³ /min [L/min]	50 [1,416] each at 100 psi	50 [1,416] each at 100 psi
Total air consumption, ft ³ /min [L/min]	200 [5,664] at 100 psi	300 [8,496] at 100 psi
Operating temperature, degF [degC]	-4 to 158 [-20 to 70]	-4 to 158 [-20 to 70]
Lightning mixers for installation in displacement tanks	Standard (2 each)	Standard (2 each)
Lightning mixers air consumption, ft ³ /min [L/min]	15 [425] each at 60 psi	15 [425] each at 60 psi
Total air consumption, ft ³ /min [L/min]	30 [850] at 60 psi	30 [850] at 60 psi
Pumps Rack		
Length, in [m]	75 [1.905]	116 [2.946]
Width, in [m]	28 [0.711]	28 [0.711]
Height, in [m]	68 [1.727]	69 [1.752]
Weight, lbm [kg]	1,100 [500]	1,764 [800]
Metering Tanks		
Length, in [m]	42 [1.070]	72 [1.829]
Width, in [m]	17 [0.430]	36 [0.914]
Height, in [m]	47 [1.200]	51 [1.295]
Weight (dry), lbm [kg]	960 [230]	960 [230]
Compartment volumes, galUS [L]	3 × 30 [3 × 113.6]	4 × 30 [4 × 113.6]
Overflow protection	Level switches	Level switches
Control panel	Pneumatic	Pneumatic