

Universal Analyzers Inc.

UNIVERSAL ANALYZERS MODEL 1090 SAMPLE COOLER SPECIFICATIONS

SAMPLE FLOW RATE:	0 TO 20 L/M TOTAL (at STP)
TWO SAMPLE PATHS INDEPENDENTLY TEMPERATURE CONTROLLED, 10 L/M EACH.	
MAXIMUM INLET TEMPERATURE:	
STAINLESS STEEL HEAT EXCHANGER:	700° F. (351° C.)
KYNAR/GLASS HEAT EXCHANGER:	280° F. (138° C.)
MAXIMUM INLET GAS DEWPOINT:	178° F. (81° C.)
MAXIMUM INLET WATER CONCENTRATION:	50%
MINIMUM AMBIENT TEMPERATURE:	34° F. (1° C.)
MAXIMUM AMBIENT TEMPERATURE:	105° F. (41° C.)*
MAXIMUM COOLING POWER (SECOND STAGE):	252 BTUs PER HOUR (240 kJ/Hr.)
GAS DEW POINT LEAVING FIRST STAGE:	AMBIENT PLUS 18° F. (10° C.)
OUTLET SAMPLE DEW POINT:	41° F. (5° C.)
GAS SAMPLE INLET FITTINGS:	3/8" TUBING FITTINGS
GAS SAMPLE OUTLET FITTINGS:	1/4" TUBING FITTINGS
BOTTOM WATER DRAIN FITTINGS:	3/8" TUBING FITTINGS
MAXIMUM INPUT POWER:	740 WATTS
VOLTAGE:	90-132 or 180-264 VAC, 50/60 Hz
ELECTRICAL CLASSIFICATION:	GENERAL PURPOSE, NEMA 1
DIMENSIONS:	15" HIGH x 12" WIDE x 12 DEEP
WEIGHT:	38 LBS (17 KG)
SOLUBLE GAS REMOVAL RATES:	NO 0% LOSS NO ₂ <10% LOSS SO ₂ < 2% LOSS CO 0% LOSS CO ₂ < 2% LOSS

* at reduced flow rate above 77° F. (25° C.) ambient.