



1701 S. Sutro Terrace
Carson City, NV 89704
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www.universalanalyzers.com

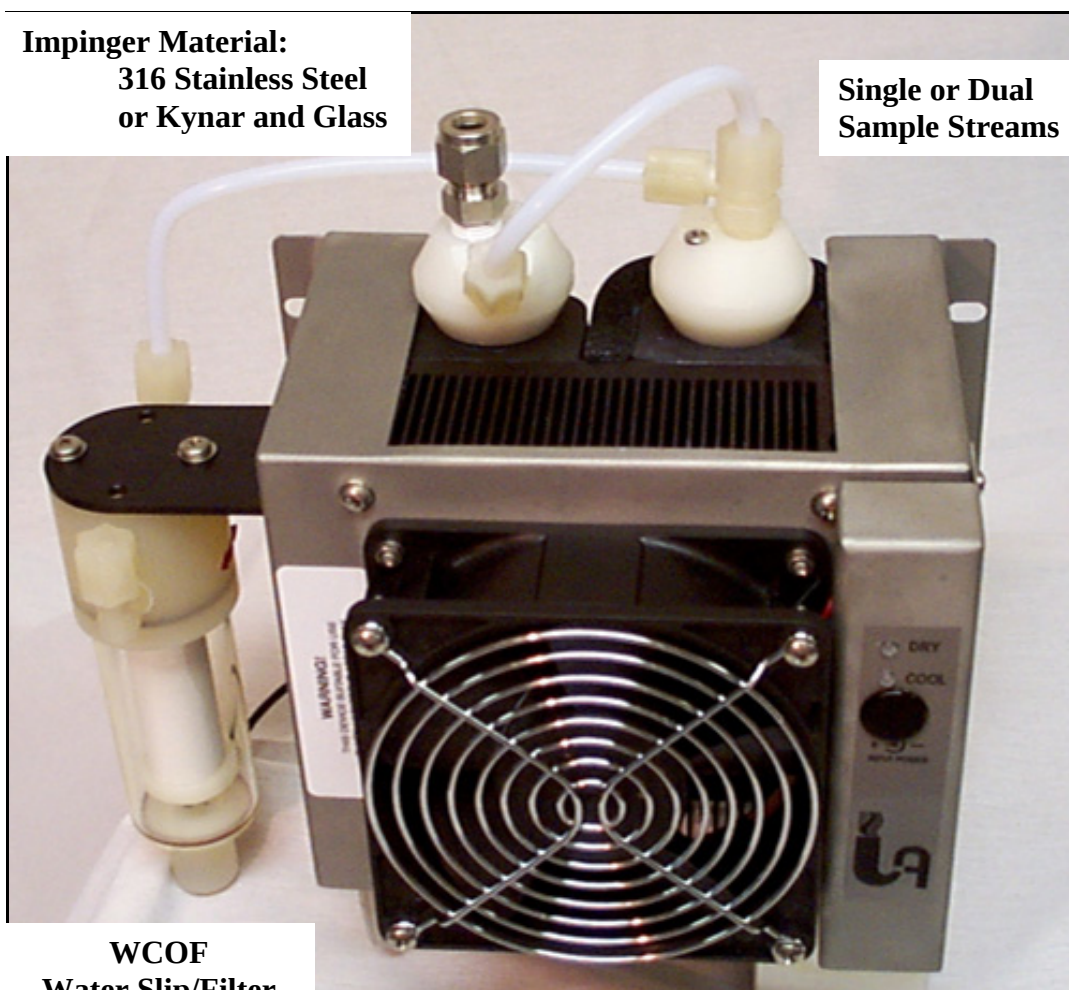
600 SERIES

MINI-CHILLER GAS THERMOELECTRIC CONDENSER

Impinger Material:

316 Stainless Steel
or Kynar and Glass

Single or Dual
Sample Streams



**WCOF
Water Slip/Filter
With Electronics**

Compact Dimensions: 9 1/4" x 8 7/8" x 6 3/8" (HWD)

See us on the WEB at <http://www.universalanalyzers.com>
e-mail address: sales@universalanalyzers.com

MAN600 Rev K

General Description

Universal Analyzers Inc. has released its least expensive, compact 4-Lpm Thermoelectric Water Condenser - *Ideal for OEM System Integrators*. The Air or Water Cooled Mini-Chiller can be configured as a Single or Double Sample Unit providing a self-regulated 4.0°C Dewpoint Sample Gas ready for Analysis. An external optional power supply is required to provide 24/15/12 VDC, 150 Watts. Electronics provide a 0-1 VDC Output Signal representing 0-50°C and relay outputs for the Optional Condensate Sensor, WCOF, are included. *The Mini-Chiller can be easily Integrated with Universal Analyzers PLC Controlled Sample Sequencers and Heated Filtered Probes.*

MODEL 600 MINI THERMOELECTRIC GAS CHILLER

The Mini Chiller is the least expensive, compact 4-Lpm Thermoelectric Chiller. The Air Cooled Mini-Chiller is available as either a Single or Double Sample Stream providing a self-regulated 4.0°C Dewpoint Sample Gas ready for Analysis. The Model 600 provides a Signal output 0-1 VDC representing 0-25°C. An externally mounted 12, 15 or 24VDC Power Supply is required and is offered as an Accessory. The Mini-Chiller can be easily integrated with other Universal Analyzers supplied sample components including the Water Carry-over Sensor, (WCO & WCOF), the PLC Controlled Sample Sequencers and 270 Heated Filtered Probes.

MINI GAS CHILLER PRICES *(Voltage must be Specified):

<u>MODEL #</u>	<u>DESCRIPTION</u>	<u>BTU/HR.</u>
• Single Channel Chiller with One Active Impinger:		
620SS	Single Sample, 5" 316SS Exchanger	62
620C	Single Sample, 5" Hastelloy C Exch. Sleeve	
620PV	Single Sample, 5" Kynar/Glass Exchanger	
• Single Channel Chiller with One Passive/Active Impingers:		
630SS	Single Sample, 5" 316SS Exchanger	222
630C	Single Sample, 5" Hastelloy C Exch. Sleeve	
630PV	Single Sample, 5" Kynar/Glass Exchanger	
• Dual Channel Chiller with Two Active Impingers:		
640SS	Dual Sample, 5" 316SS Exchanger	124
640C	Dual Sample, 5" Hastelloy C Exch. Sleeve	
640PV	Dual Sample, 5" Kynar/Glass Exchanger	

* Voltage VDC must be specified for the Mini-Chiller E.G. 622SS = 12 VDC
625SS = 15 VDC
624SS = 24 VDC

External Power Supplies:

	<u>P/N</u>
12 VDC 75 Watts - Models 622,632,642	5400-0027
15 VDC 60 Watts - Models 625,635,645	5400-0028
24 VDC 120 Watts - Models 624,634	5400-0029
24 VDC 150 Watts - Model 644	5400-0009

LIMITED WARRANTY

ALL PRODUCTS MANUFACTURED BY UNIVERSAL ANALYZERS INC. ARE WARRANTED TO BE FREE OF MANUFACTURING DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF RECEIPT AT THE CUSTOMER'S RECEIVING AREA AND FOR AN ADDITIONAL PERIOD OF UP TO 90 DAYS IF THE PRODUCT IS PLACED IN SERVICE AFTER BEING IN STORAGE. THIS WARRANTY COVERS MATERIALS AND LABOR TO RESTORE ANY PRODUCTS TO ORIGINAL FACTORY SPECIFICATIONS IF A DEFECT IS FOUND WITHIN THE WARRANTY PERIOD.

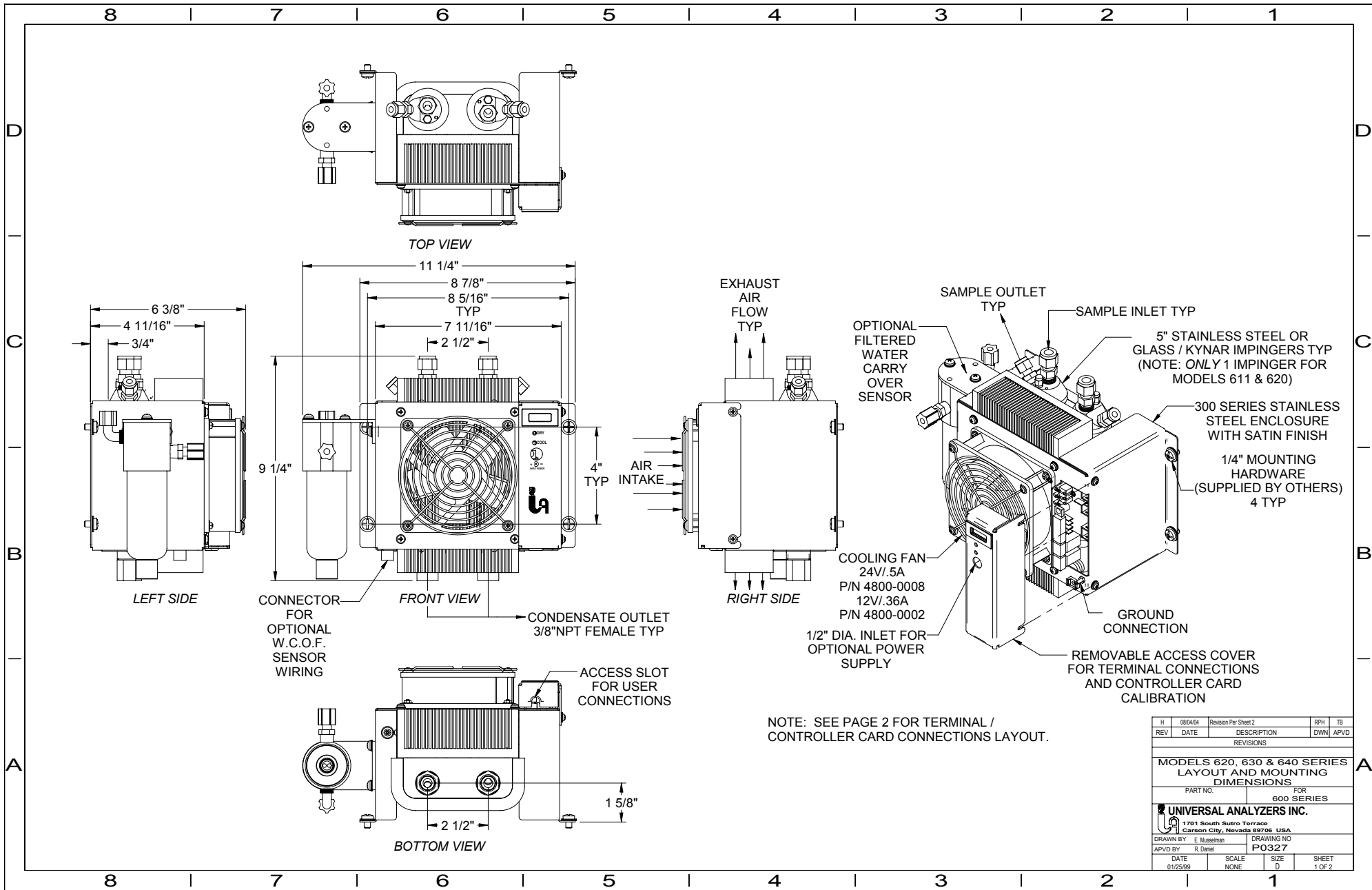
THE DEFECTIVE PRODUCT SHOULD BE SENT, FREIGHT PREPAID, TO THE FACTORY IN CARSON CITY, NEVADA. REPAIRS WILL BE PERFORMED AT THE FACTORY AND RETURNED, PREPAID, BY THE SAME SHIPPING METHOD USED TO SEND THE PRODUCT TO THE FACTORY.

THIS WARRANTY DOES NOT APPLY WHERE THE EQUIPMENT HAS SUSTAINED DAMAGE DUE TO NEGLECT, MODIFICATION, CORROSION, OR OTHER REASON BEYOND THE SCOPE OF THE NORMAL DEFINITION OF "MANUFACTURING DEFECT".

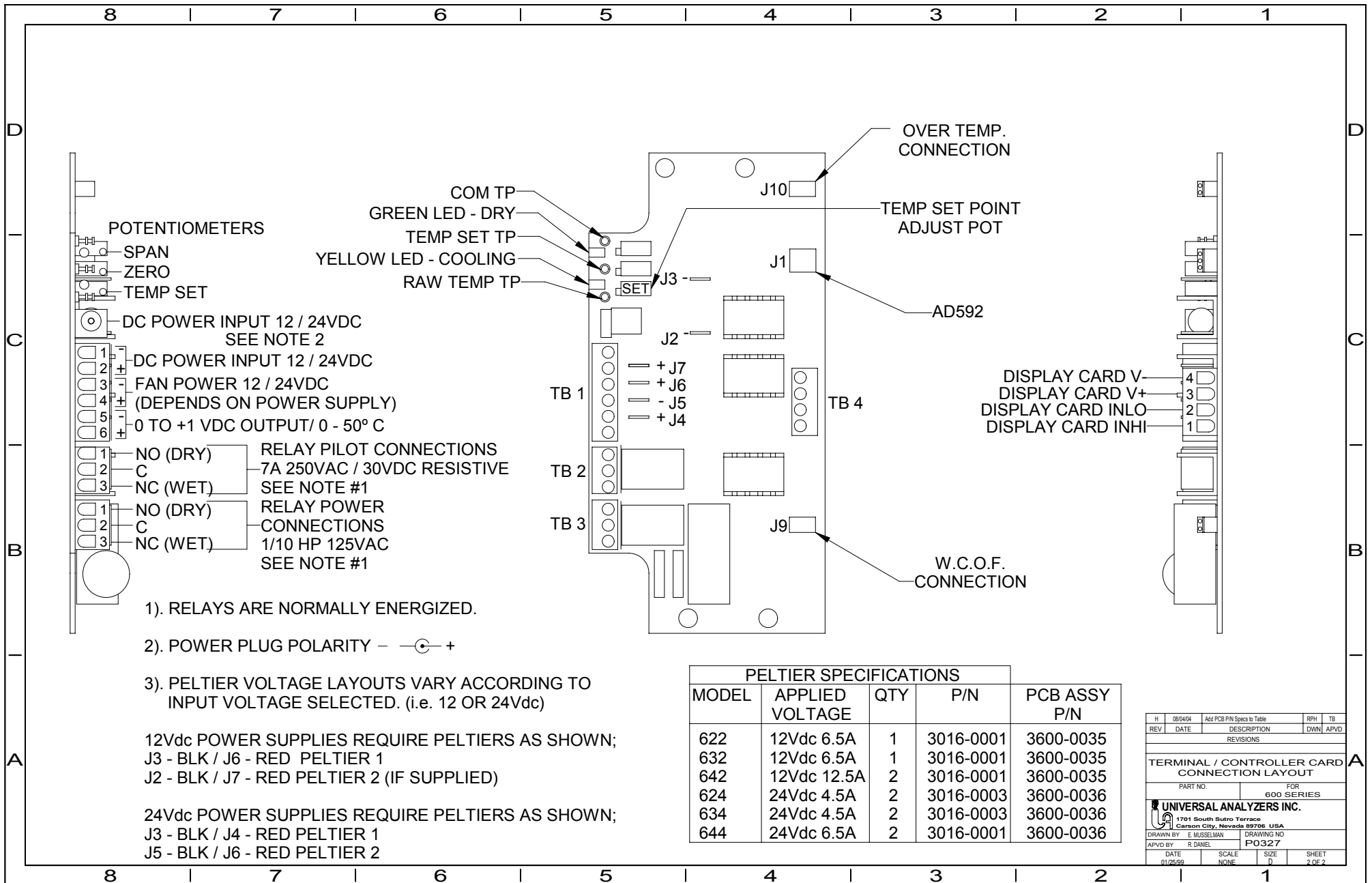
FURTHER, THIS WARRANTY IS LIMITED TO REPLACING THE DEFECTIVE COMPONENTS AND RETURNING THE EQUIPMENT MANUFACTURED BY UNIVERSAL ANALYZERS INC. TO THE CUSTOMER IN WORKING CONDITION. ANY OTHER CLAIMS ARE OUTSIDE THE SCOPE OF THIS WARRANTY. NO WARRANTIES ARE MADE AS TO THE SUITABILITY OF THE USE OF THE EQUIPMENT IN ANY PARTICULAR APPLICATION OR LOCATION. THE SUITABILITY OF THE USE OF THE EQUIPMENT IS THE RESPONSIBILITY OF THE CUSTOMER AND THE INSTALLING CONTRACTOR.

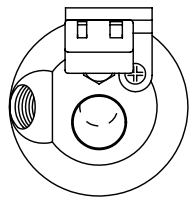
Performance, Liters/Minute, at a Max. Inlet Temperature of 300°F & 77°F Ambient

	Model	620	630	640
L/min Sample @ 12% H ₂ O		2.5	4.0	5.0
15% H ₂ O		2.0	4.0	4.0
30% H ₂ O		1.0	4.0	2.0
50% H ₂ O		0.6	4.0	1.0

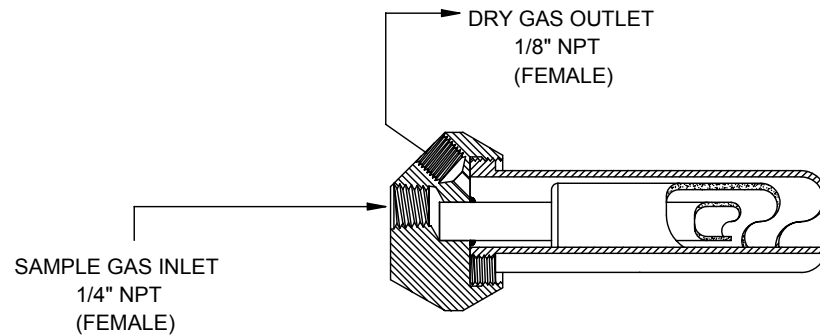
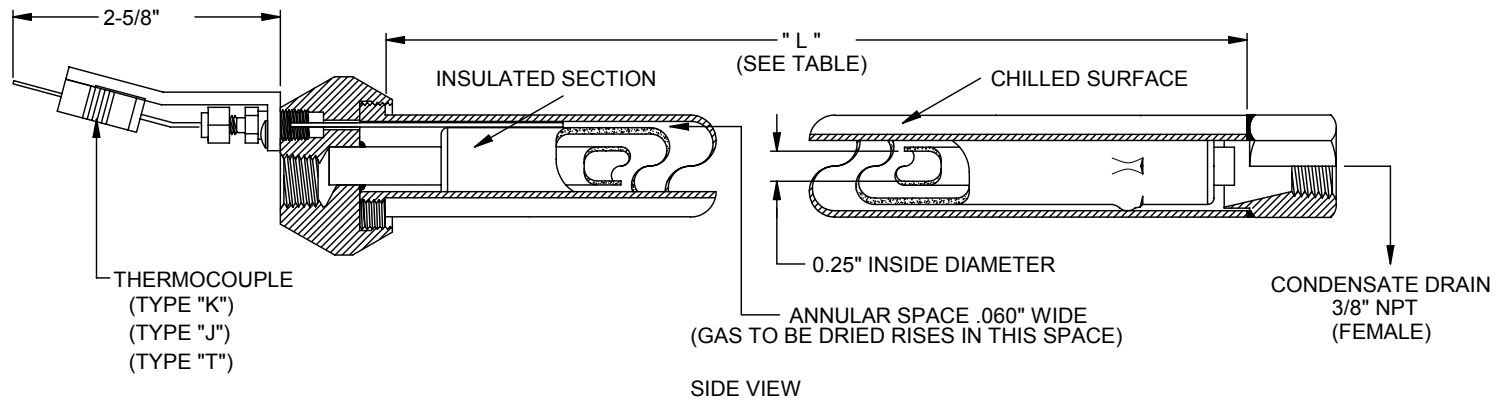


H	08/04/04	Revision Per Sheet 2	RPH	TB
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				
MODELS 620, 630 & 640 SERIES LAYOUT AND MOUNTING DIMENSIONS				
PART NO.		FOR 600 SERIES		
 UNIVERSAL ANALYZERS INC.				
1701 South Sutro Terrace Carson City, Nevada 89706 USA				
DRAWN BY E. Musselman		DRAWING NO P0327		
APVD BY R. Daniel	DATE 01/25/99	SCALE NONE	SIZE D	SHEET 1 OF 2





TOP VIEW



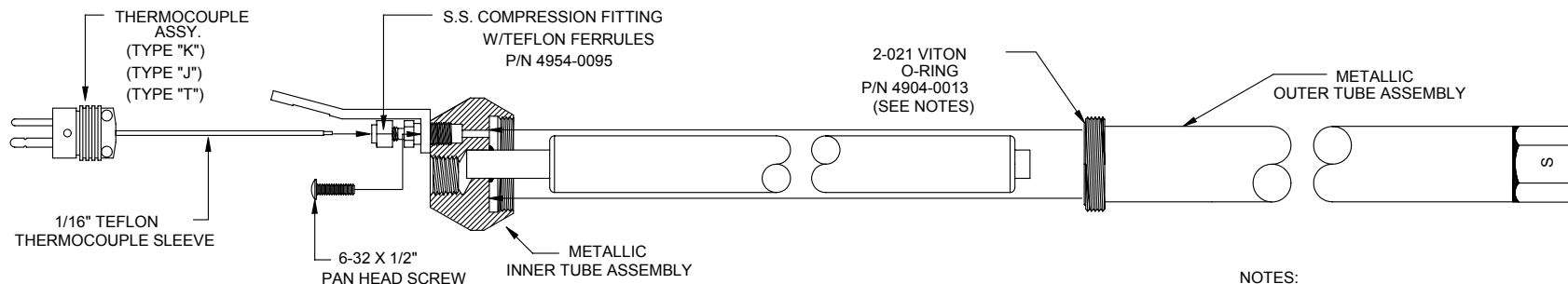
1). SEE SHEET 2 FOR ASSEMBLY INSTRUCTIONS.

APPROX LENGTH "L"	316 S.S. EXCHANGER P/N	HASTELLOY C276 EXCHANGER P/N	ALLOY 20 EXCHANGER P/N	TITANIUM EXCHANGER P/N	UNIVERSAL ANALYZERS SERIES
5"	5200-SK50	5200-CK50	5200-AK50	5200-TK50	400
	5200-SJ50	5200-CJ50	5200-AJ50	5200-TJ50	500
	5200-ST50	5200-CT50	5200-AT50	5200-TT50	
10"	5200-SK10	5200-CK10	5200-AK10	5200-TK10	800
	5200-SJ10	5200-CJ10	5200-AJ10	5200-TJ10	1000
	5200-ST10	5200-CT10	5200-AT10	5200-TT10	1100
					3000

B	01/23/97	SHOW NEW DESIGN WITH THERMOCOUPLE BRACKET		EAM	HWM
REV	DATE	DESCRIPTION		DWN	APVD
REVISIONS					
METALLIC TEMPERATURE SENSING HEAT EXCHANGER OUTLINE					
PART NO. SEE TABLE			FOR SEE TABLE		
UNIVERSAL ANALYZERS INC.					
1701 South Sutro Terrace Carson City, Nevada 89706 USA					
DRAWN BY EV MUSSELMAN			DRAWING NO P0146		
APVD BY HARVEY MITCHELL					
DATE 12/11/95		SCALE 1:1		SIZE C	SHEET 1 OF 2

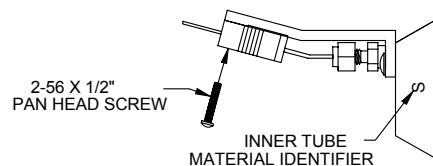
8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

EXPLODED METALLIC HEAT EXCHANGER



NOTES:

- 1). O-RING IS FACTORY INSTALLED IN METALLIC OUTER TUBE ASSY.
- 2). LIGHTLY LUBRICATE O-RING WITH SILICONE GREASE BEFORE ASSEMBLY.



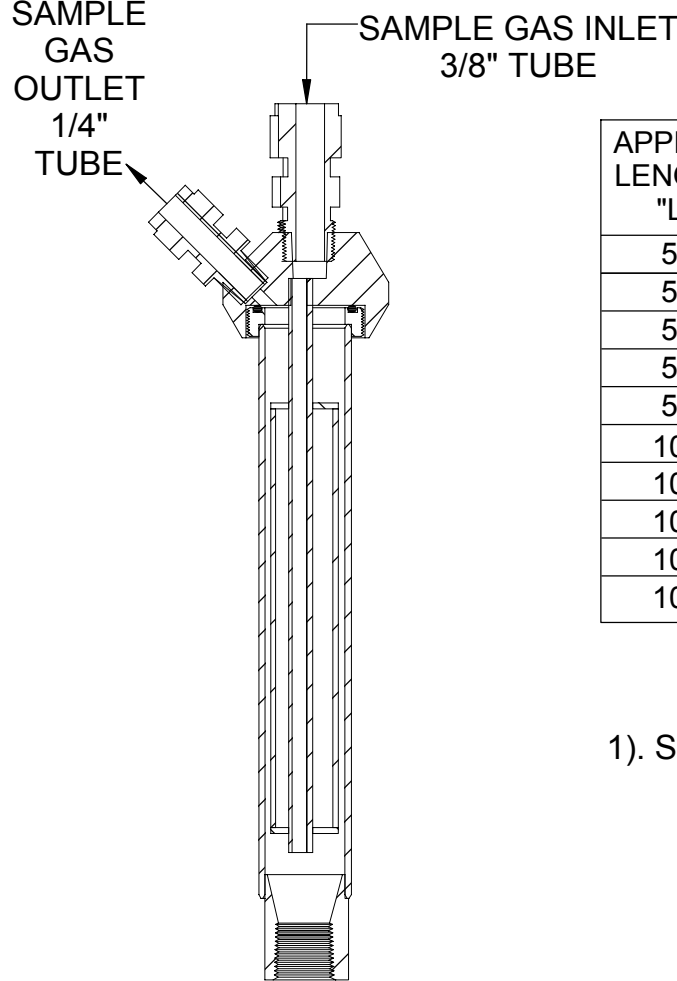
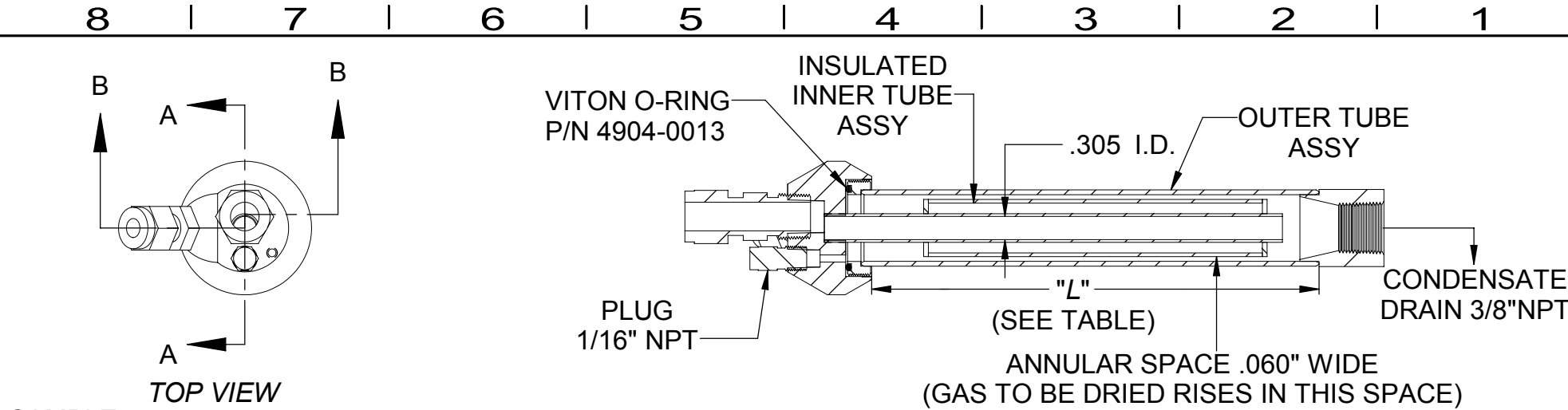
COMPLETE ASSEMBLY

SPARE PARTS LIST

"L" LENGTH	MATERIAL DESC.	COMPLETE ASSY P/N	OUTER TUBE ASSY P/N	INNER TUBE ASSY P/N	TYPE "K" THERMOCOUPLE ASSEMBLY P/N	TYPE "J" THERMOCOUPLE ASSEMBLY P/N	TYPE "T" THERMOCOUPLE ASSEMBLY P/N
5"	316 S.S.	5200-SK50	5201-0012	5201-0015	1150-0011	X	X
5"	"	5200-SJ50	"	"	X	1150-0012	X
5"	"	5200-ST50	"	"	X	X	1150-0013
5"	ALLOY 20	5200-AK50	5201-0022	"	"	X	X
5"	"	5200-AJ50	"	"	X	"	X
5"	"	5200-AT50	"	"	X	X	"
5"	HASTELLOY C276	5200-CK50	5201-0020	"	"	X	X
5"	"	5200-CJ50	"	"	X	"	X
5"	"	5200-CT50	"	"	X	X	"
5"	TITANIUM	5200-TK50	5201-0024	5201-0028	1150-0018	X	X
5"	"	5200-TJ50	"	"	X	1150-0019	X
5"	"	5200-TT50	"	"	X	X	1150-0014
10"	316 S.S.	5200-SK10	5201-0013	5201-0016	1150-0011	X	X
10"	"	5200-SJ10	"	"	X	1150-0012	X
10"	"	5200-ST10	"	"	X	X	1150-0013
10"	ALLOY 20	5200-AK10	5201-0023	"	"	X	X
10"	"	5200-AJ10	"	"	X	"	X
10"	"	5200-AT10	"	"	X	X	"
10"	HASTELLOY C276	5200-CK10	5201-0021	"	"	X	X
10"	"	5200-CJ10	"	"	X	"	X
10"	"	5200-CT10	"	"	X	X	"
10"	TITANIUM	5200-TK10	5201-0025	5201-0029	1150-0018	X	X
10"	"	5200-TJ10	"	"	X	1150-0019	X
10"	"	5200-TT10	"	"	X	X	1150-0014

B	01/23/97	SHOW NEW DESIGN WITH THERMOCOUPLE BRACKET	EAM	HWM
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				
METALLIC TEMPERATURE SENSING HEAT EXCHANGER ASSEMBLY				
PART NO. SEE TABLE		FOR 400 500 800 1000 1100 3000 SERIES		
 UNIVERSAL ANALYZERS INC. 1701 South Sutro Terrace Carson City, Nevada 89706 USA				
DRAWN BY EV MUSSELMAN		DRAWING NO P0146		
APVD BY HARVEY MITCHELL		SHEET 2 OF 2		
DATE 12/11/95		SCALE 1:1	SIZE B	SHEET 2 OF 2

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

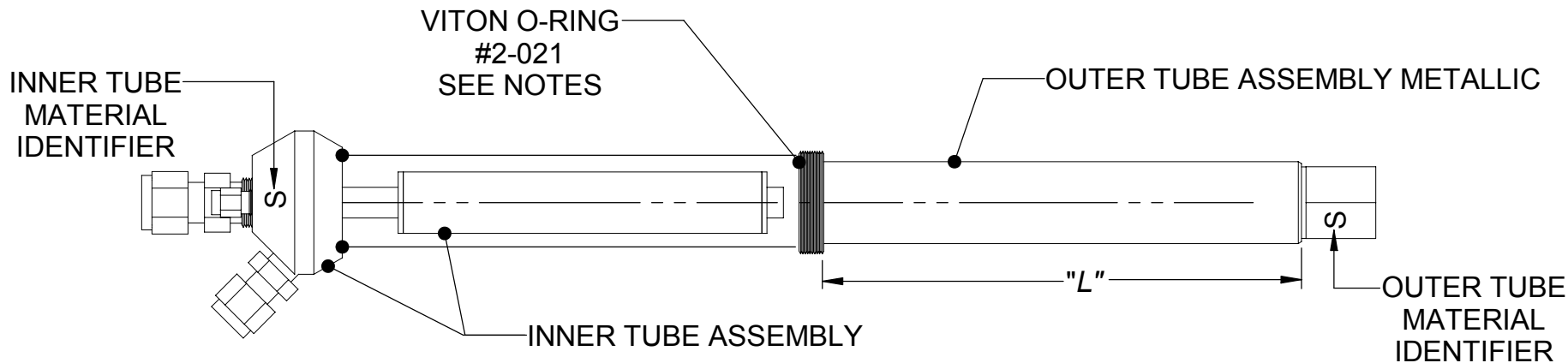


APPROX LENGTH "L"	HEAT EXCHANGER P/N	OUTER TUBE MATERIAL	UNIVERSAL ANALYZERS SERIES
5"	5200-S050	316 S.S.	400/500
5"	5200-T050	TITANIUM	400/500
5"	5200-A050	ALLOY 20	400/500
5"	5200-C050	HASTELLOY C-276	400/500
5"	5200-S05T	TEFLON COATED 316 S.S.	400/500
10"	5200-S010	316 S.S.	800/1000/1100/3000
10"	5200-T010	TITANIUM	800/1000/1100/3000
10"	5200-A010	ALLOY 20	800/1000/1100/3000
10"	5200-C010	HASTELLOY C-276	800/1000/1100/3000
10"	5200-S01T	TEFLON COATED 316 S.S.	800/1000/1100/3000

1). SEE SHEET 2 FOR ASSEMBLY INSTRUCTIONS.

A	02/09/99	REVISE P/N TABLE FOR TEFLON COATED	EAM	RD
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				
HEAT EXCHANGER METALLIC NON-TEMPERATURE SENSING OUTLINE				
PART NO. SEE TABLE		FOR SEE TABLE		
 UNIVERSAL ANALYZERS INC. 1701 South SutroTerrace Carson City, Nevada 89706 USA				
DRAWN BY EV MUSSELMAN		DRAWING NO P0147		
APVD BY H. MITCHELL				
DATE 12/11/95		SCALE NONE	SIZE C	SHEET 1 OF 2

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

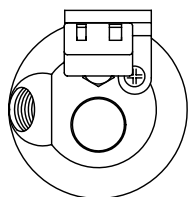


HEAT EXCHANGER SEPERABLE		SPARE PARTS LIST			
APPROX "L" LENGTH	P/N	INNER TUBE ASSY P/N	OUTER TUBE ASSY P/N	VITON O-RING #2-021 P/N	PLUG 1/16"NPT P/N
5"	5200-S050	5201-0015	5201-0012	4904-0013	4951-0058
5"	5200-T050	"	5201-0024	"	"
5"	5200-A050	"	5201-0022	"	"
5"	5200-C050	"	5201-0020	"	"
5"	5200-S05T	5201-0041	5201-0043	"	"
10"	5200-S010	5201-0016	5201-0013	4904-0013	4951-0058
10"	5200-T010	"	5201-0025	"	"
10"	5200-A010	"	5201-0023	"	"
10"	5200-C010	"	5201-0021	"	"
10"	5200-S01T	5201-0042	5201-0044	"	"

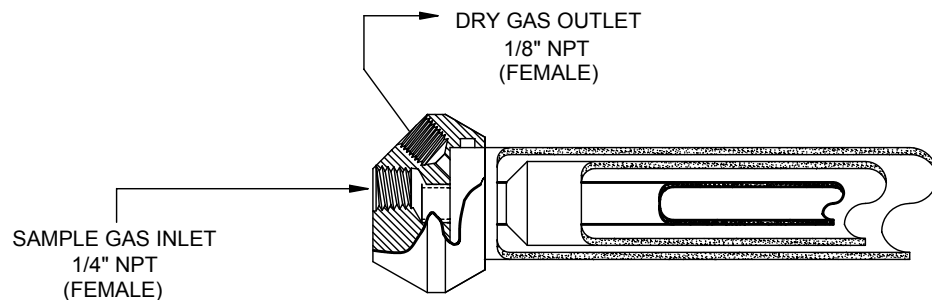
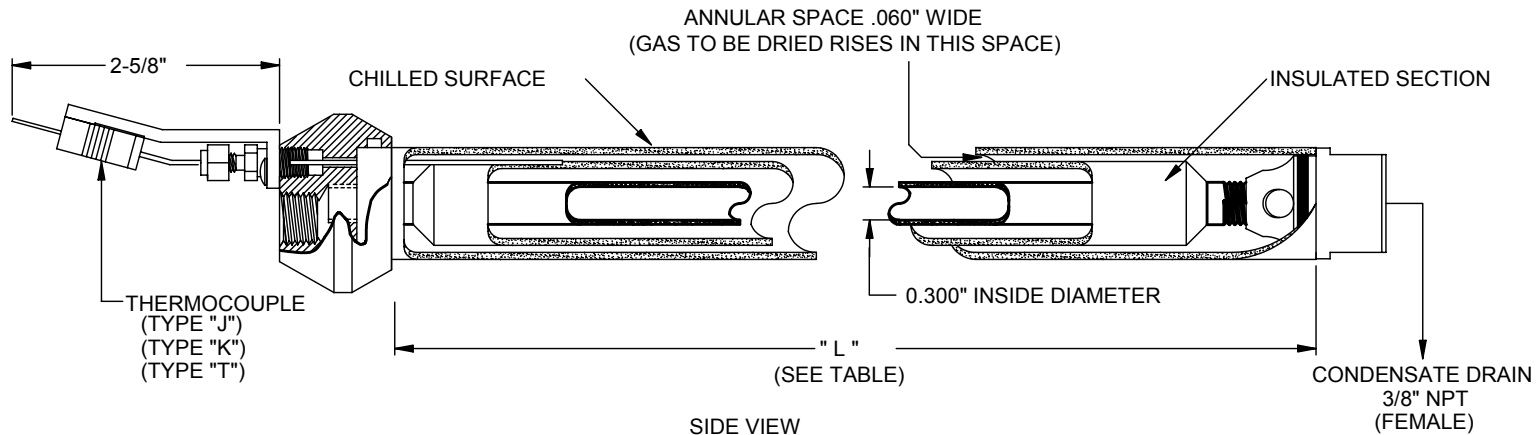
NOTES:
1). O-RING IS FACTORY INSTALLED IN METALLIC OUTER TUBE.
2). LIGHTLY LUBRICATE O-RING WITH SILICONE GREASE BEFORE ASSEMBLY.

A	02/09/99	REVISE TABLE TO INCLUDE TEFLON PARTS	EAM	RD
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				
HEAT EXCHANGER ASSEMBLY NON-TEMPERATURE SENSING METALLIC				
PART NO. SEE TABLE		FOR INSTRUMENT		
 UNIVERSAL ANALYZERS INC. 1701 South SutroTerrace Carson City, Nevada 89706 USA				
DRAWN BY EV MUSSELMAN		DRAWING NO P0147		
APVD BY H. MITCHELL				
DATE 12/11/95	SCALE NONE	SIZE C	SHEET 2 OF 2	

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1



TOP VIEW



1). SEE SHEET 2 FOR ASSEMBLY INSTRUCTIONS.

LENGTH "L"	GLASS KYNAR HEAT EXCHANGER ASSEMBLY P/N	UNIVERSAL ANALYZERS SAMPLE COOLER MODELS
5"	5200-KK50	520
	5200-KJ50	530
	5200-KT50	540
		570
10"		1040
	5200-KK10	1050
	5200-KJ10	1060
	5200-KT10	1080
		1090
15"	5200-KK15	FGA2
	5200-KJ15	
	5200-KT15	

C	10/02/01	Add 15" Heat Exchanger Data To Table	EM	JK
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				
Glass Kynar Temperature Sensing Heat Exchanger Outline				
PART NO. SEE TABLE			FOR SEE TABLE	
UNIVERSAL ANALYZERS INC.				
1701 South Sutro Terrace Carson City, Nevada 89706 USA				
DRAWN BY E. Mussleman			DRAWING NO P0148	
APVD BY H. Mitchell				
DATE 12/11/95		SCALE 1:1	SIZE C	SHEET 1 OF 2

8

7

6

5

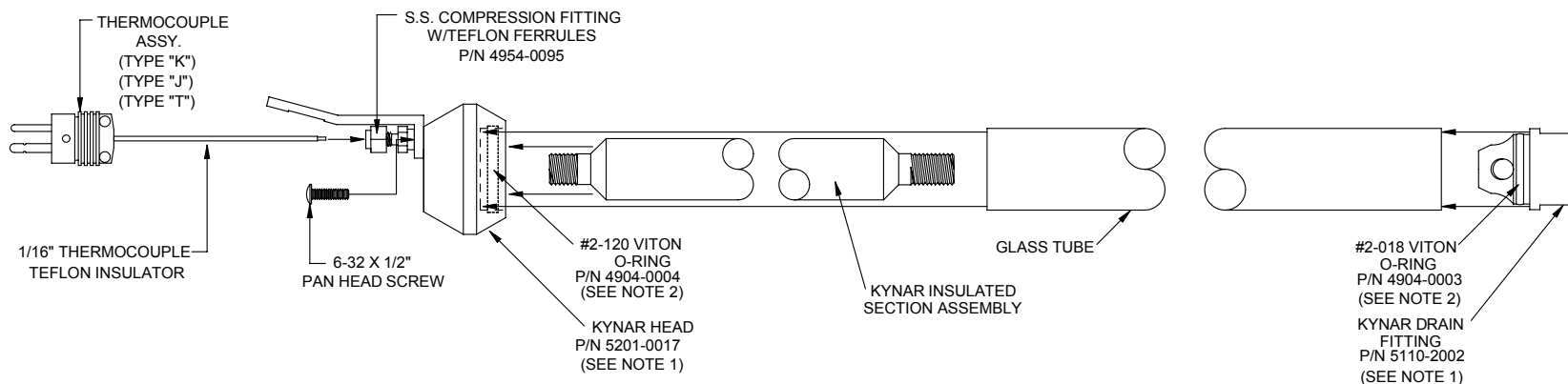
4

3

2

1

EXPLODED GLASS KYNAR HEAT EXCHANGER

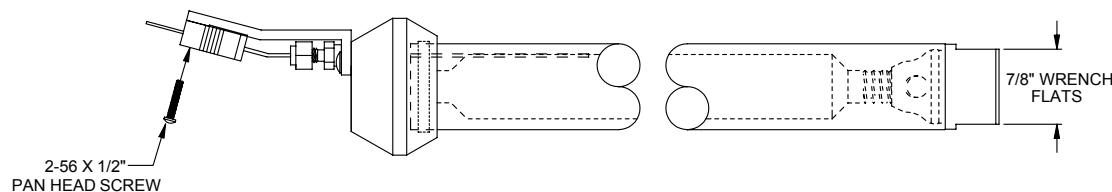


SPARE PARTS LIST

GLASS KYNAR HEAT EXCHANGER ASSEMBLY		KYNAR INSULATED SECTION ASSEMBLY	GLASS TUBE	TYPE "K" THERMOCOUPLE	TYPE "J" THERMOCOUPLE	TYPE "T" THERMOCOUPLE
LENGTH "L"	P/N	P/N	P/N	P/N	P/N	P/N
5"	5200-KK50	5110-2003	5201-0002	1150-0011	1150-0012	1150-0013
5"	5200-KJ50	"	"	"	"	"
5"	5200-KT50	"	"	"	"	"
10"	5200-KK10	5110-2004	5201-0001	"	"	"
10"	5200-KJ10	"	"	"	"	"
10"	5200-KT10	"	"	"	"	"
15"	5200-KK15	5110-2006	5201-0078	"	"	"
15"	5200-KJ15	"	"	"	"	"
15"	5200-KT15	"	"	"	"	"

NOTES:

- O-RINGS ARE FACTORY INSTALLED IN KYNAR HEAD AND KYNAR DRAIN FITTING.
- LIGHTLY LUBRICATE O-RINGS WITH SILICONE GREASE BEFORE ASSEMBLY.

COMPLETE GLASS KYNAR
HEAT EXCHANGER ASSEMBLY

C	10/02/01	Add 15" Data To Parts List Table	EM	JK
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				
Glass Kynar Temperature Sensing Heat Exchanger Spare Parts List Exploded Assembly				
PART NO. SEE TABLE		FOR SAMPLE COOLERS		
UNIVERSAL ANALYZERS INC.				
1701 South Sutro Terrace Carson City, Nevada 89706 USA				
DRAWN BY E. Musselman		DRAWING NO P0148		
APVD BY H. Mitchell				
DATE 12/11/95	SCALE 1 : 1	SIZE B	SHEET 2 OF 2	

8

7

6

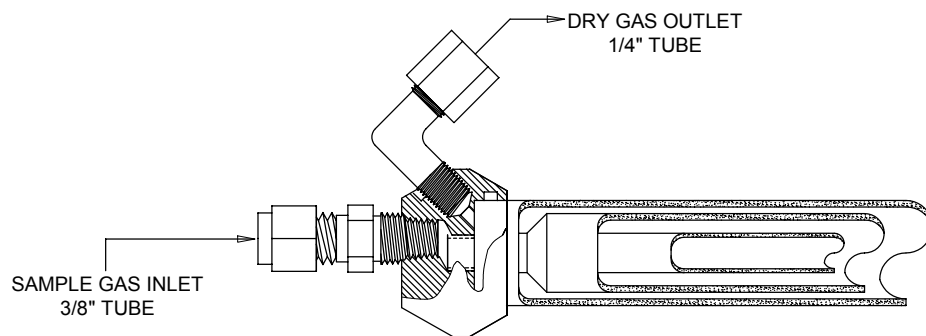
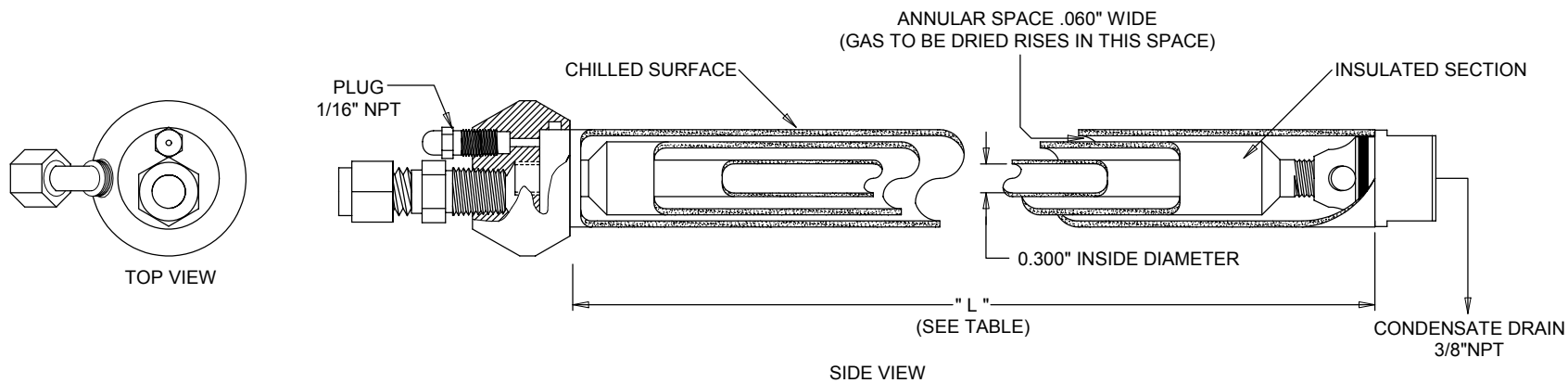
5

4

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2

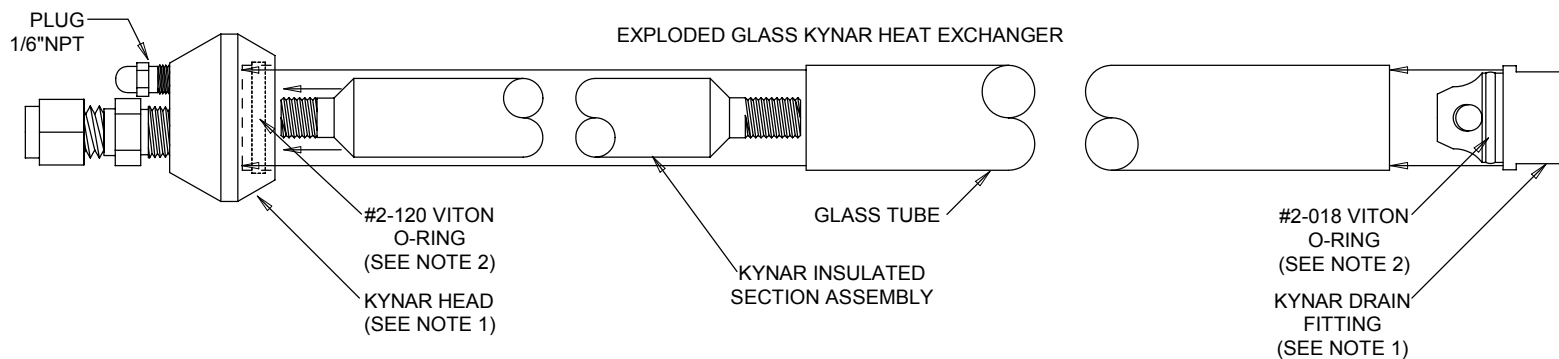
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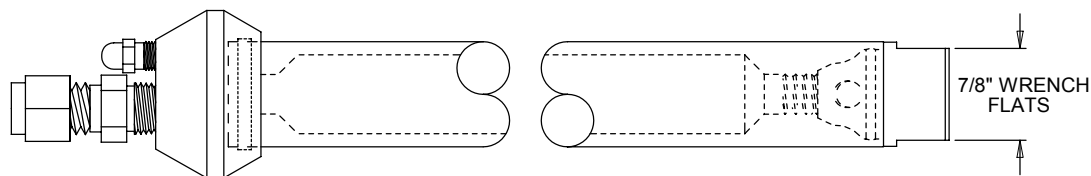
1). SEE SHEET 2 FOR ASSEMBLY INSTRUCTIONS.

LENGTH "L"	GLASS KYNAR HEAT EXCHANGER ASSEMBLY P/N	UNIVERSAL ANALYZERS SAMPLE COOLER MODELS	QTY OF EXCHANGERS PER SAMPLE COOLER
5"	5200-K050	520	1
		530	2
		540	2
		570	4
10"	5200-K010	1040	1
		1050	2
		1060	2
		1080	2
15"	5200-K015	1090	4
		FGA2	1

B	10/02/01	Add 15" Data To Table	EM	RD
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				
HEAT EXCHANGER GLASS / KYNAR NON-TEMPERATURE SENSING OUTLINE				
PART NO.		FOR		
SEE TABLE		INSTRUMENT		
 UNIVERSAL ANALYZERS INC.				
1701 South Sutro Terrace Carson City, Nevada 89706 USA				
DRAWN BY EV MUSSELMAN		DRAWING NO P0149		
APVD BY H. MITCHELL				
DATE 12/11/95		SCALE 1:1	SIZE C	SHEET 1 OF 2



SPARE PARTS LIST							
GLASS KYNAR HEAT EXCHANGER ASSEMBLY		KYNAR INSULATED SECTION ASSY	GLASS TUBE	KYNAR DRAIN FITTING	#2-120 VITON O-RING	#2-018 VITON O-RING	1/16" NPT PLUG
LENGTH "L"	P/N	P/N	P/N	P/N	P/N	P/N	P/N
5"	5200-K050	5110-2003	5201-0002	5110-2002	4904-0004	4904-0003	5201-0017
10"	5200-K010	5110-2004	5201-0001	"	"	"	"
15"	5200-K015	5110-2006	5201-0078	"	"	"	"

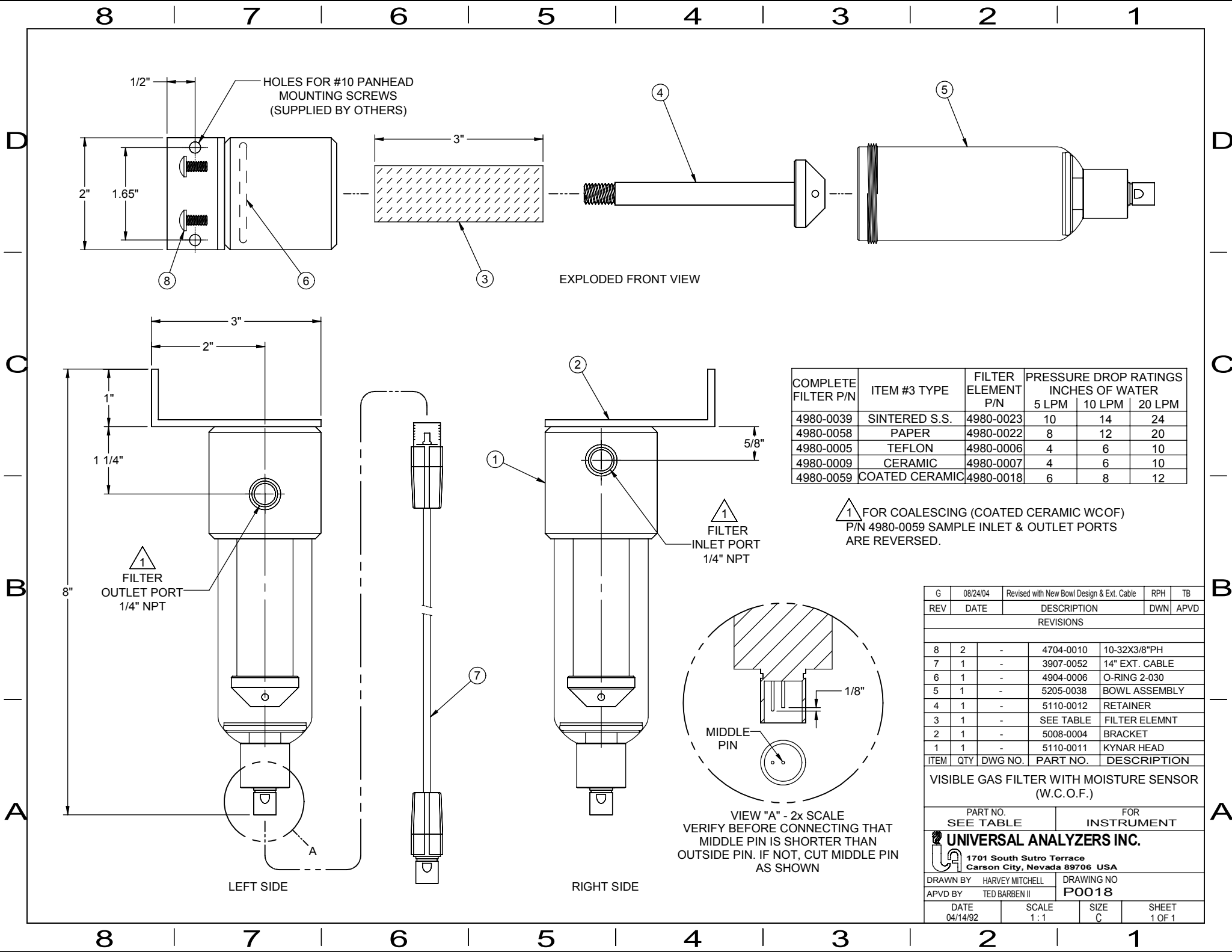


COMPLETE GLASS KYNAR
HEAT EXCHANGER ASSEMBLY

NOTES:

- 1). O-RINGS ARE FACTORY INSTALLED IN KYNAR HEAD AND KYNAR DRAIN FITTINGS
- 2). LIGHTLY LUBRICATE O-RINGS WITH SILICONE GREASE BEFORE ASSEMBLY.

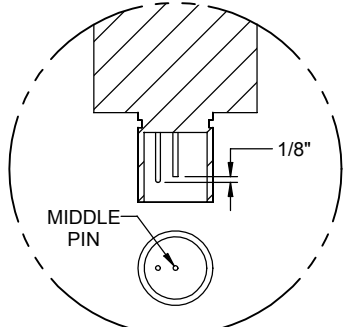
B	10/02/01	Add 15" Data to Table	EAM	RD
REV	DATE	DESCRIPTION	DWN	APVD
REVISIONS				
HEAT EXCHANGER GLASS / KYNAR NON-TEMPERATURE SENSING SPARE PART INSTALLATION				
PART NO. SEE TABLE		FOR INSTRUMENT		
UNIVERSAL ANALYZERS INC. 1701 South Sutro Terrace Carson City, Nevada 89706 USA				
DRAWN BY EV MUSSELMAN		DRAWING NO P0149		
APVD BY H. MITCHELL				
DATE 12/11/95	SCALE 1:1	SIZE C	SHEET 2 OF 2	



EXPLODED FRONT VIEW

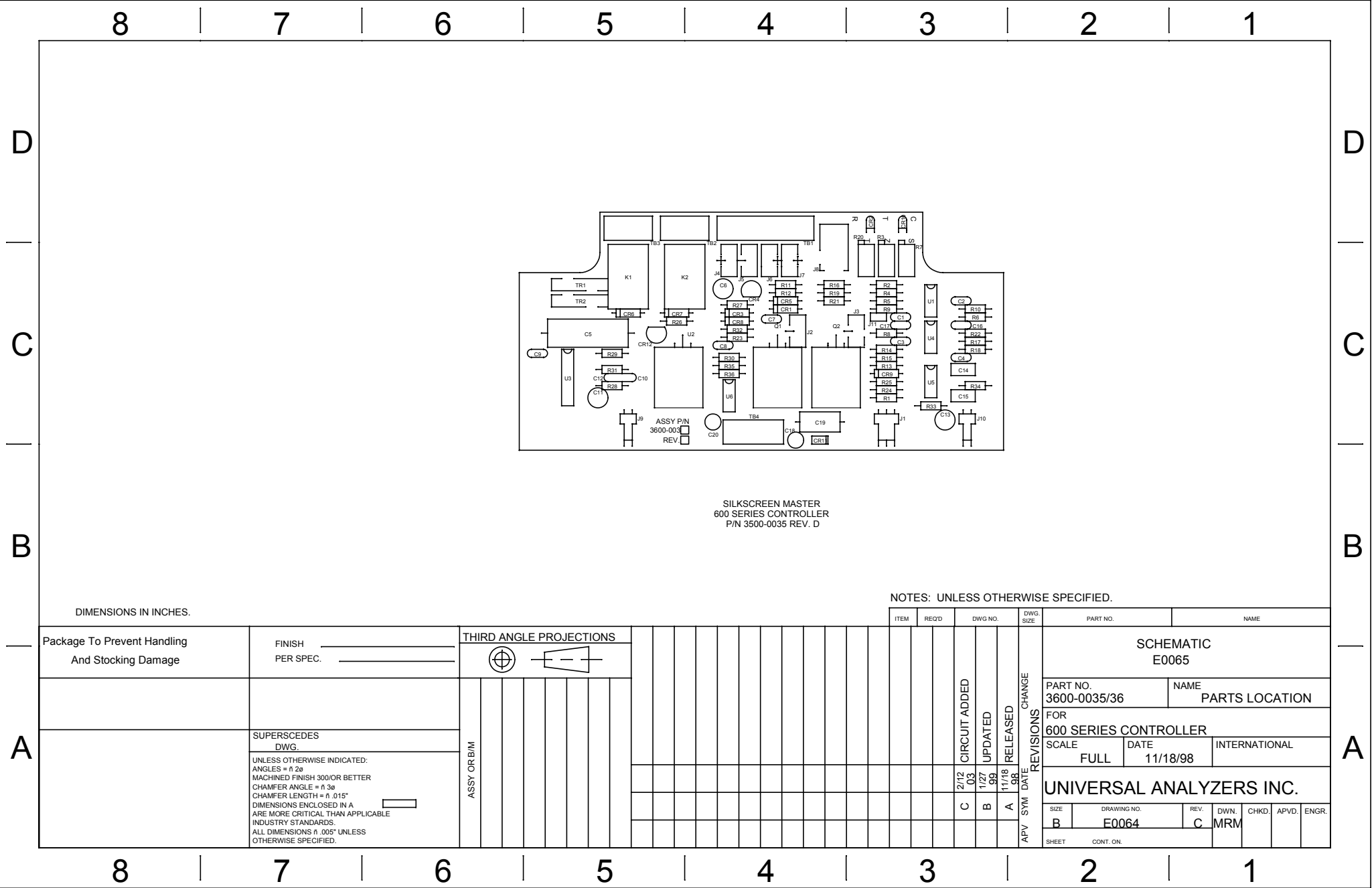
COMPLETE FILTER P/N	ITEM #3 TYPE	FILTER ELEMENT P/N	PRESSURE DROP RATINGS INCHES OF WATER		
			5 LPM	10 LPM	20 LPM
4980-0039	SINTERED S.S.	4980-0023	10	14	24
4980-0058	PAPER	4980-0022	8	12	20
4980-0005	TEFLON	4980-0006	4	6	10
4980-0009	CERAMIC	4980-0007	4	6	10
4980-0059	COATED CERAMIC	4980-0018	6	8	12

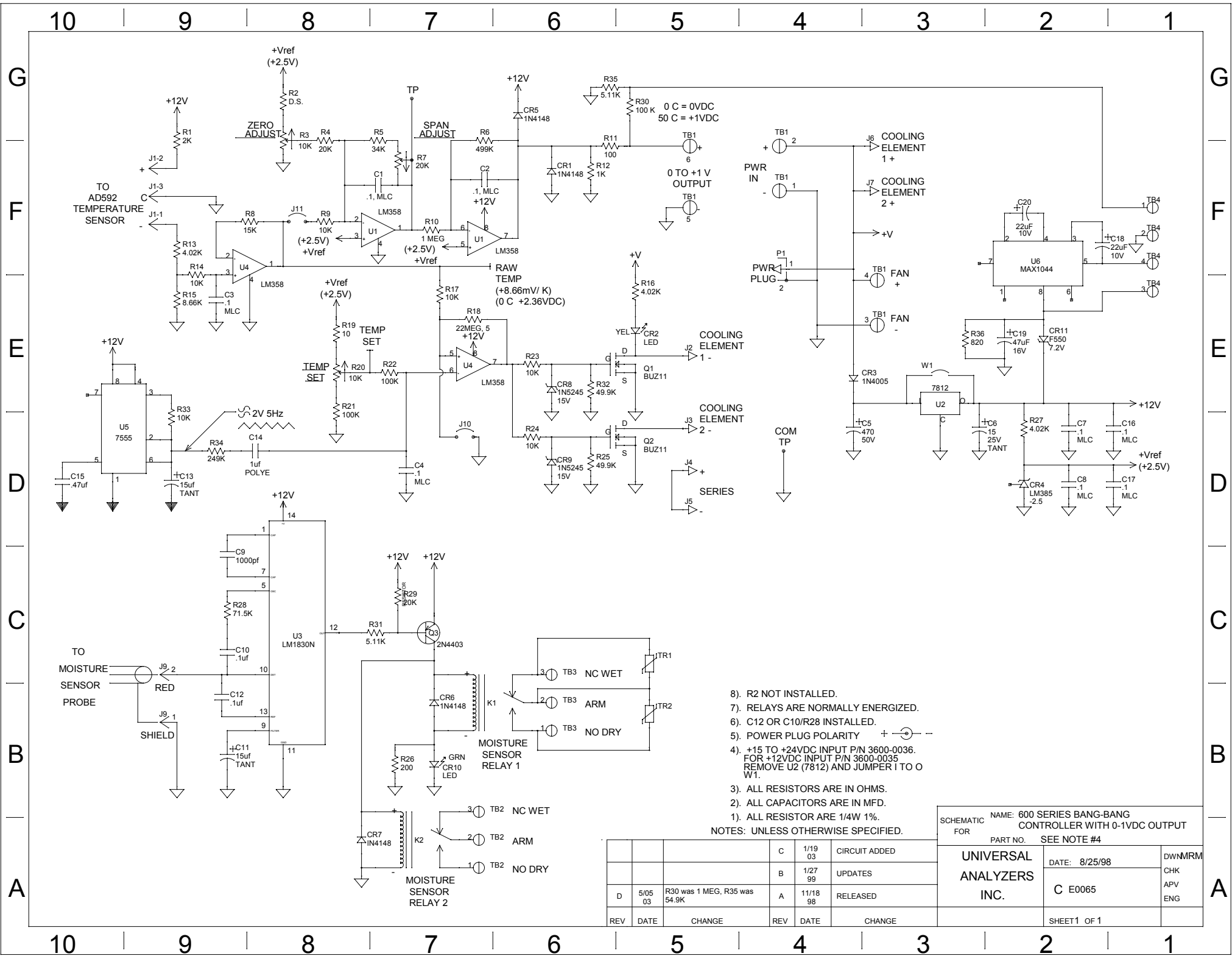
1 FOR COALESCING (COATED CERAMIC WCOF)
P/N 4980-0059 SAMPLE INLET & OUTLET PORTS
ARE REVERSED.



VIEW "A" - 2x SCALE
VERIFY BEFORE CONNECTING THAT
MIDDLE PIN IS SHORTER THAN
OUTSIDE PIN. IF NOT, CUT MIDDLE PIN
AS SHOWN

G	08/24/04	Revised with New Bowl Design & Ext. Cable		RPH	TB	
REV	DATE	DESCRIPTION			DWN	APVD
REVISIONS						
8	2	-	4704-0010	10-32X3/8"PH		
7	1	-	3907-0052	14" EXT. CABLE		
6	1	-	4904-0006	O-RING 2-030		
5	1	-	5205-0038	BOWL ASSEMBLY		
4	1	-	5110-0012	RETAINER		
3	1	-	SEE TABLE	FILTER ELEMNT		
2	1	-	5008-0004	BRACKET		
1	1	-	5110-0011	KYNAR HEAD		
ITEM	QTY	DWG NO.	PART NO.	DESCRIPTION		
VISIBLE GAS FILTER WITH MOISTURE SENSOR (W.C.O.F.)						
PART NO. SEE TABLE			FOR INSTRUMENT			
 UNIVERSAL ANALYZERS INC.						
1701 South Sutro Terrace Carson City, Nevada 89706 USA						
DRAWN BY HARVEY MITCHELL			DRAWING NO			
APVD BY TED BARBEN II			P0018			
DATE 04/14/92		SCALE 1:1		SIZE C	SHEET 1 OF 1	





SPARE PARTS FOR SERIES 600 SAMPLE CHILLER:

<u>Level A, Consumable Supplies:</u>		<u>2 Yr Req</u>
4980-0006	Porous Teflon Filter Cartridge, 2 micron	6
9515-0018	ADI Mini Dia-Vac Sample Pump rebuild Kit	3
9216-0002	Peristaltic Pump Tubing, #15, 5 ft. length	2
8010-0001	Heat Sink Paste, 0.1 ounce container	1

Level B, Basic Spare Parts:

5200-K050	Glass/Kynar Heat Exchanger/Impinger, 5 inch	
5200-S050	Stainless Steel, 316, Heat Exchanger/Impinger, 5 inch	1
5201-0002	Glass Tube, Outer – Replacement for 5 inch Heat Exchanger	2
4904-0003	O-ring, 2-018, Viton, Glass Heat Exchanger, bottom	2
4904-0004	O-ring, 2-120, Viton, Glass Heat Exchanger, top	2
4904-0013	O-ring, 2-021, Viton, 316SS Heat Exchanger	2
4904-0006	O-ring, 2-030, Viton, Filter Bowl Seal	2

Level C, Critical Repair Items:

3016-0001	Peltier Element, 15VDC 8.5Amp 40mm	
3016-0003	Peltier Element, 15VDC 3.9Amp 30mm (Models 624 & 634 Only)	
9515-0024	Insulation Kit for Heat Transfer Block	
1150-0017	Temperature Sensor, AD592 (Chiller Control)	2
3016-0006	Temperature Switch, Limit 185°F (Over Temp)	1
4800-0002	Heat Sink Cooling Fan, 12 VDC	
4800-0008	Heat Sink Cooling Fan, 24 VDC	

Level D, In Depth Repair Items:

5400-0009	Power Supply, 24VDC 150Watt	
5400-0008	Power Supply, 15VDC 60Watt	
3600-0035	Controller/Alarm Circuit Board, 600 Series, 12VDC	
3600-0036	Controller/Alarm Circuit Board, 600 Series, 15-24VDC	
4958-0025	Single Head Sample Pump, TFE/Al Head, Mini Dia-Vac	
4958-0026	Dual Head Sample Pump, TFE/Al Head, Mini Dia-Vac	
4955-0004	Back Pressure Regulator, Plastic Adjustable PSIG, Sample Pump	2
4955-0091	Sample Pressure Control, 316SS Adjustable PSIG, Sample Pump	1
4958-0003	Peristaltic Pump Motor, 120VAC with Chassis	
4958-0006	Peristaltic Pump Head for #15 Tubing	
5205-0006	WCOF Moisture Sensor Filter Assembly	
5006-0021	Stainless Steel Terminal Board Cover	