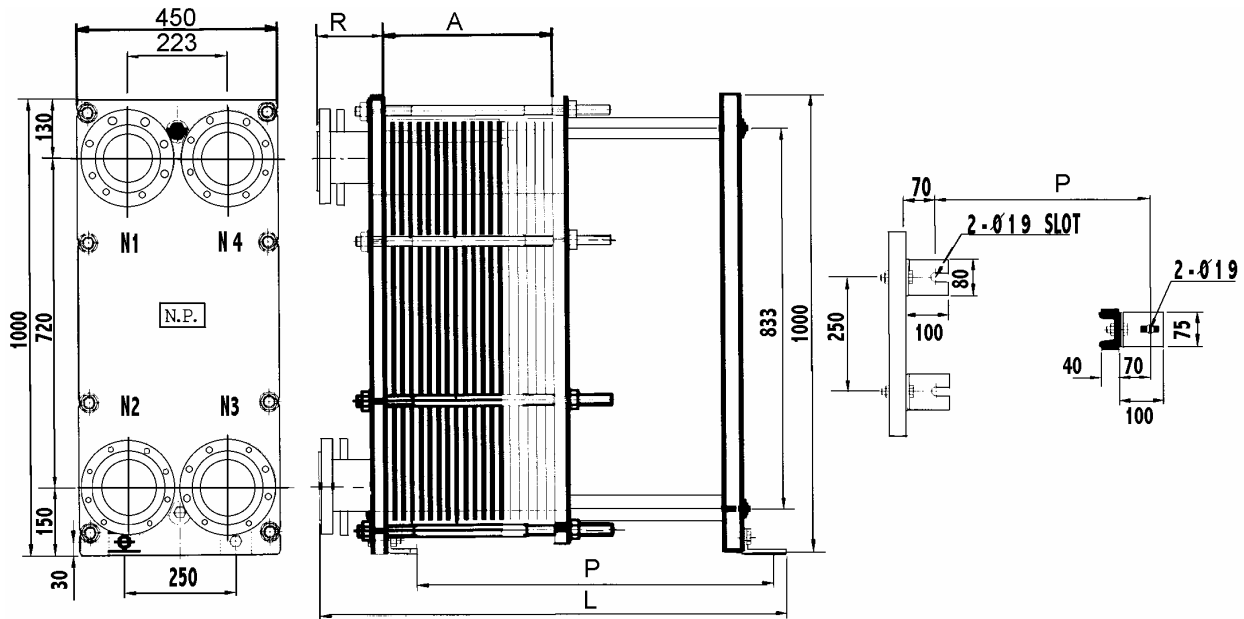




Plate Heat Exchanger Type: DX22V-1P

Option: QSK60-G6

Client	Arith Company	Quotation Number	4131102TALP
Service	50% E glycol water / water	Date	11-Nov-02

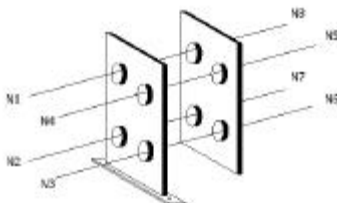


Design / Test Pressure					10/13 barg	Wt Empty	357 kg
						Wt Full	418 kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax
		710	960			175	
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24
						LJ-LF	

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	100	61.00	Ethylene Glycol 50% 60c	in
N2	100	61.00	Ethylene Glycol 50% 60c	out
N3	100	28.58	Water	in
N4	100	28.58	Water	out

Notes:



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ARITH COMPANY LTD.

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e-mail: taipei@arith.com.tw
網 址：http://www.arith.com.tw



AHTT PLATE HEAT EXCHANGER DATA SHEET

Client:

Arith Company

Service:

50% E. Glycol / Water

Unit Designed:	DX-22V - 1P -41	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	61.00	28.58 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	92.6	20.6
Heat Load	kW	1,306	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2318	
Heat Transfer Coeff Design	W/m2,C	6482	
Design margin	%	179.7	
Plateage		20 X 1	20 X 1+ 1
Number of plates		41	
Area	m2	10.73	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	357	
Unit weight full (water)	kg	418	
Packed Volume	m3	1	



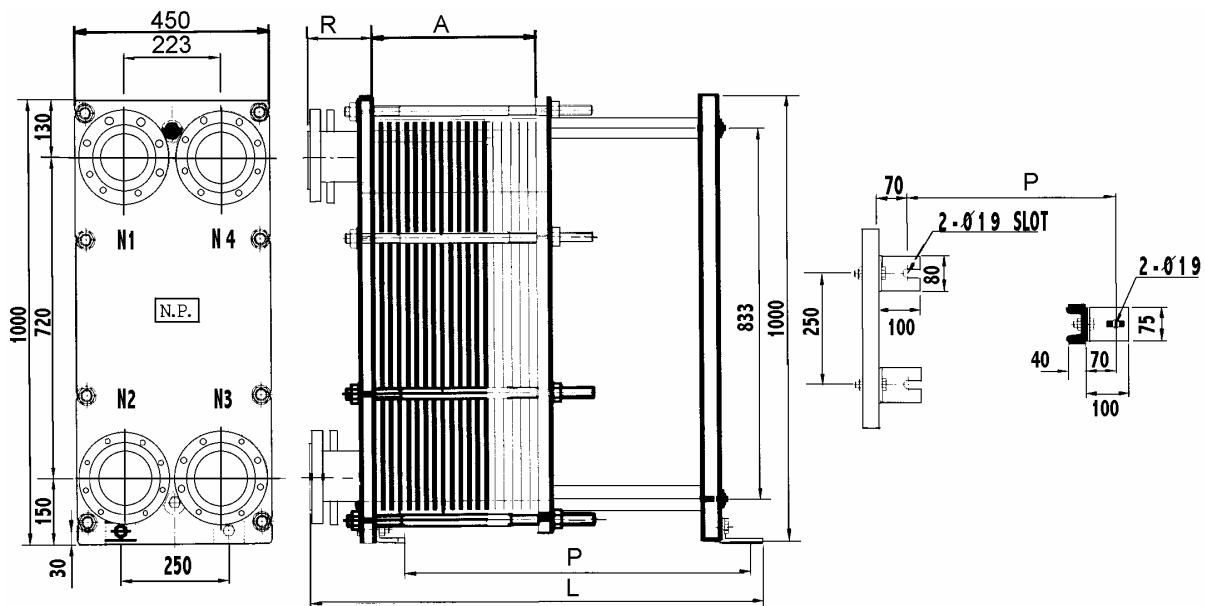
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Plate Heat Exchanger Type: DX22V-1P

Option: QSK60-G2

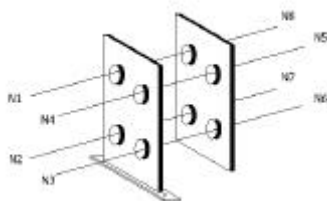
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E. Glycol / Water	Date	11-Nov-02



Design / Test Pressure				10/13	barg	Wt Empty	354	kg
						Wt Full	413	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax	
		710	960			175		
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt	
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24	
						LJ-LF		

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	100	57.50	Ethylene Glycol 50% 60c	in
N2	100	57.50	Ethylene Glycol 50% 60c	out
N3	100	26.92	Water	in
N4	100	26.92	Water	out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E. Glycol / Water

Unit Designed:	DX-22V - 1P -39	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	57.50	26.92 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	91.4	20.3
Heat Load	kW	1,230	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2301	
Heat Transfer Coeff Design	W/m2,C	6459	
Design margin	%	180.7	
Plateage		19 X 1	19 X 1+ 1
Number of plates		39	
Area	m2	10.18	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	354	
Unit weight full (water)	kg	413	
Packed Volume	m3	1	



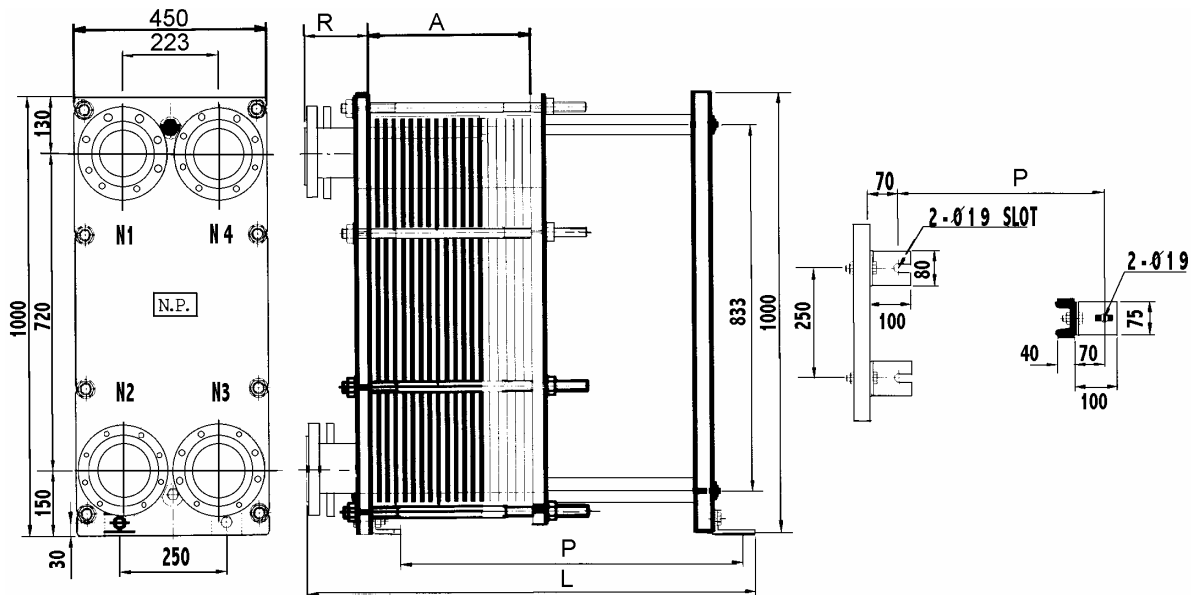
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Plate Heat Exchanger Type: DX22V-1P

Option: KTTA50-G2

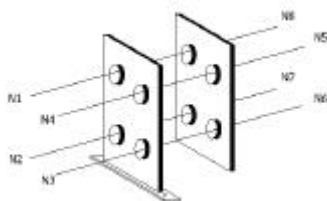
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E. Glycol / Water	Date	11-Nov-02



Design / Test Pressure				10/13	barg	Wt Empty	342	kg
						Wt Full	391	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax	
		710	960			175		
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt	
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24	
						LJ-LF		

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	100	44.80	Ethylene Glycol 50% 60c	in
N2	100	44.80	Ethylene Glycol 50% 60c	out
N3	100	21.00	Water	in
N4	100	21.00	Water	out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E. Glycol / Water

Unit Designed:	DX-22V - 1P -31	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	44.80	21.00 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	89.4	19.9
Heat Load	kW	959	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2290	
Heat Transfer Coeff Design	W/m2,C	6423	
Design margin	%	180.5	
Plateage		15 X 1	15 X 1+ 1
Number of plates		31	
Area	m2	7.98	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	342	
Unit weight full (water)	kg	391	
Packed Volume	m3	1	



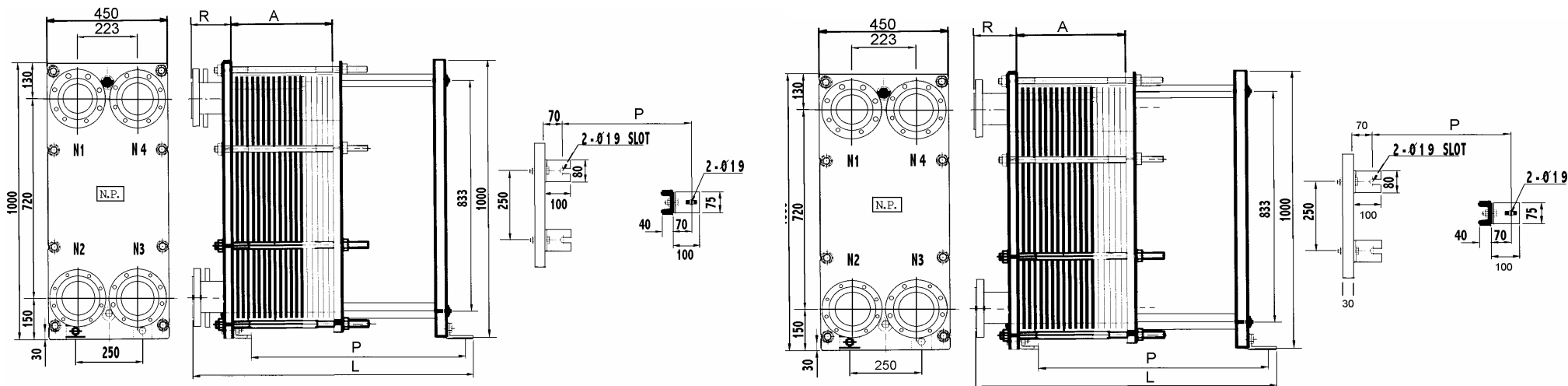
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Plate Heat Exchanger Type: DX22V-1P

Option: KTA50-G3

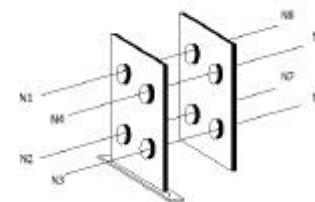
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E glycol water / water	Date	11-Nov-02



Design / Test Pressure		10/13	barg	Wt Empty	333	kg
				Wt Full	375	kg
Dimension A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax
	560	810			175	
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#
						M24
						LJ-LF

NOZZLE DETAILS

Nozzle	Size mm	I/s	Media		
N1	100	37.40	Ethylene Glycol 50% 60c		in
N2	100	37.40	Ethylene Glycol 50% 60c		out
N3	100	17.50	Water		in
N4	100	17.50	Water		out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client:

Arith Company

Service:

50% E glycol water / water

Unit Designed:	DX-22V - 1P -25	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	37.40	17.50 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	96.0	21.3
Heat Load	kW	799	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2406	
Heat Transfer Coeff Design	W/m2,C	6542	
Design margin	%	171.9	
Plateage		12 X 1	12 X 1+ 1
Number of plates		25	
Area	m2	6.33	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	333	
Unit weight full (water)	kg	375	
Packed Volume	m3	1	



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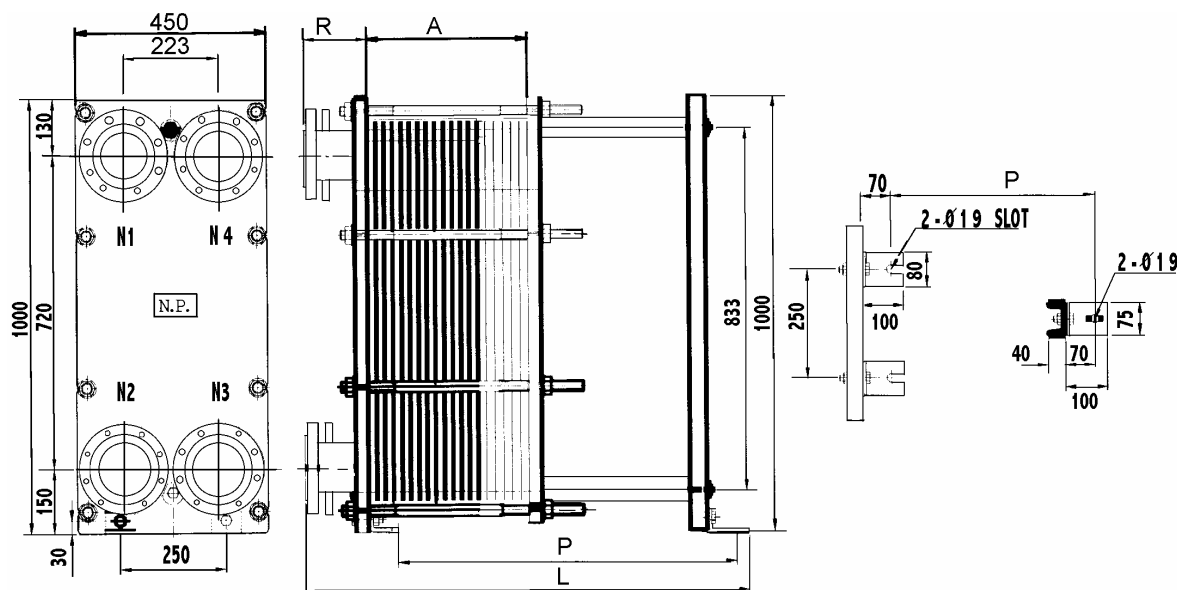


Plate Heat Exchanger Type: DX22V-1P

Option:

KTA50-G2

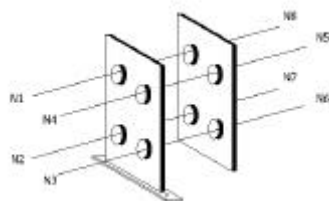
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E. Glycol / Water	Date	11-Nov-02



Design / Test Pressure				10/13	barg	Wt Empty	333	kg
						Wt Full	375	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax	
		560	810			175		
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt	
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24	
						LJ-LF		

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	100	36.30	Ethylene Glycol 50% 60c	in
N2	100	36.30	Ethylene Glycol 50% 60c	out
N3	100	16.98	Water	in
N4	100	16.98	Water	out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E. Glycol / Water

Unit Designed:	DX-22V - 1P -25	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	36.30	16.98 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	91.4	20.3
Heat Load	kW	776	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2335	
Heat Transfer Coeff Design	W/m2,C	6457	
Design margin	%	176.5	
Plateage		12 X 1	12 X 1+ 1
Number of plates		25	
Area	m2	6.33	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	333	
Unit weight full (water)	kg	375	
Packed Volume	m3	1	

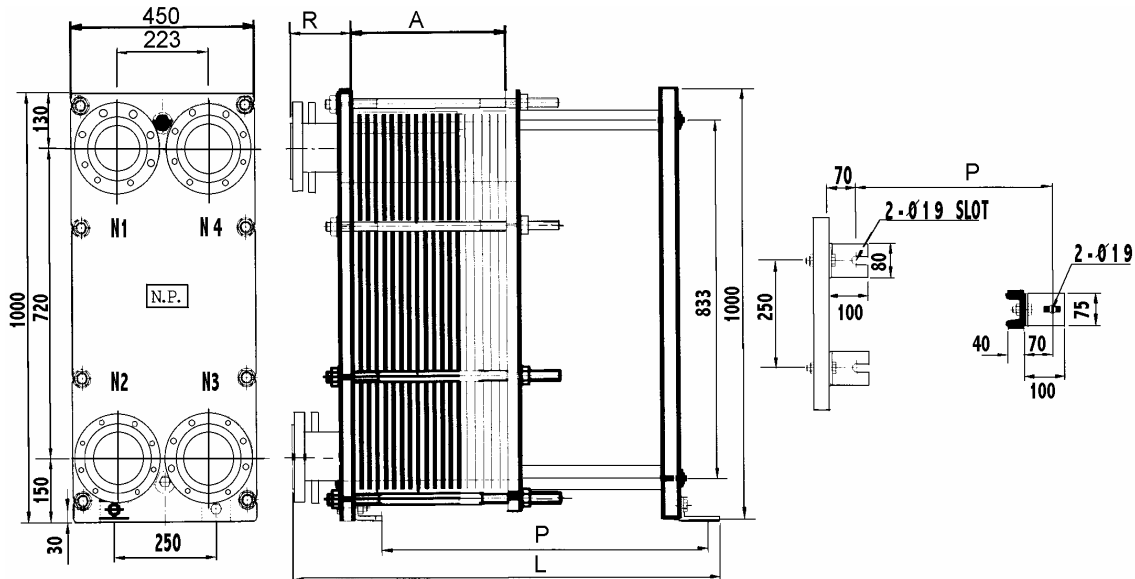


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Plate Heat Exchanger Type: DX22V-1P

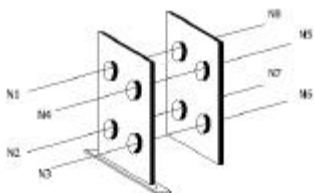
		Option:	KTA38-G4
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E. Glycol / Water	Date	11-Nov-02



Design / Test Pressure					10/13	barg	Wt Empty	327	kg
							Wt Full	365	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax		
		560	810			175			
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt		
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24		
							LJ-LF		

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media
N1	100	31.30	Ethylene Glycol 50% 60c in
N2	100	31.30	Ethylene Glycol 50% 60c out
N3	100	14.67	Water in
N4	100	14.67	Water out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E. Glycol / Water

Unit Designed:	DX-22V - 1P -21	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	31.30	14.67 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	96.7	21.5
Heat Load	kW	670	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2442	
Heat Transfer Coeff Design	W/m2,C	6557	
Design margin	%	168.5	
Plateage		10 X 1	10 X 1+ 1
Number of plates		21	
Area	m2	5.23	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	327	
Unit weight full (water)	kg	365	
Packed Volume	m3	1	



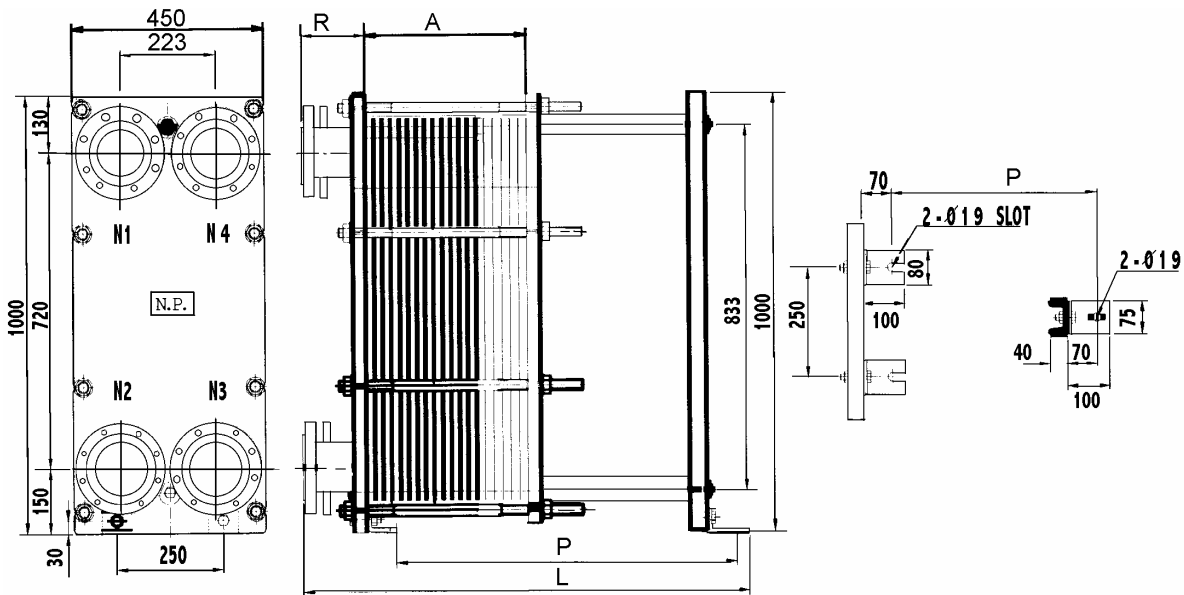
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Plate Heat Exchanger Type: DX22V-1P

Option: KTA38-G3

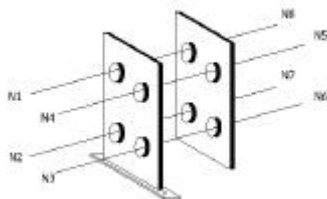
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E. Glycol / Water	Date	11-Nov-02



Design / Test Pressure				10/13	barg	Wt Empty	324	kg
						Wt Full	359	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax	
		560	810			175		
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt	
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24	
						LJ-LF		

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	100	28.20	Ethylene Glycol 50% 60c	in
N2	100	28.20	Ethylene Glycol 50% 60c	out
N3	100	13.18	Water	in
N4	100	13.18	Water	out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E. Glycol / Water

Unit Designed:	DX-22V - 1P -19	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	28.20	13.18 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	96.9	21.5
Heat Load	kW	602	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2453	
Heat Transfer Coeff Design	W/m2,C	6556	
Design margin	%	167.3	
Plateage		9 X 1	9 X 1+ 1
Number of plates		19	
Area	m2	4.68	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	324	
Unit weight full (water)	kg	359	
Packed Volume	m3	1	



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e-mail: taipei@arith.com.tw

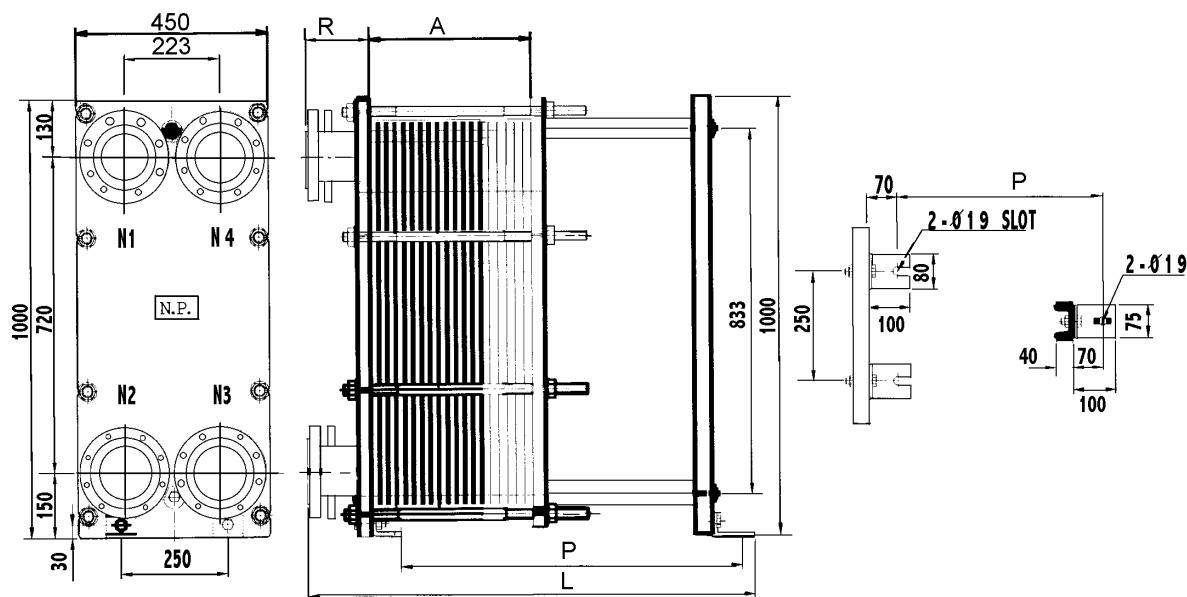
網 址： <http://www.arith.com.tw>



Plate Heat Exchanger Type: DX22V-1P

Option: QST30-G1

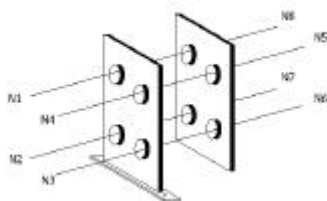
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E. Glycol / Water	Date	11-Nov-02



Design / Test Pressure				10/13	barg	Wt Empty	321	kg
						Wt Full	354	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax	
		560	810			175		
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt	
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24	
						LJ-LF		

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	100	22.50	Ethylene Glycol 50% 60c	in
N2	100	22.50	Ethylene Glycol 50% 60c	out
N3	100	10.55	Water	in
N4	100	10.55	Water	out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E. Glycol / Water

Unit Designed:	DX-22V - 1P -17	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	22.50	10.55 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	80.9	18.0
Heat Load	kW	482	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2225	
Heat Transfer Coeff Design	W/m2,C	6255	
Design margin	%	181.2	
Plateage		8 X 1	8 X 1+ 1
Number of plates		17	
Area	m2	4.13	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	321	
Unit weight full (water)	kg	354	
Packed Volume	m3	1	



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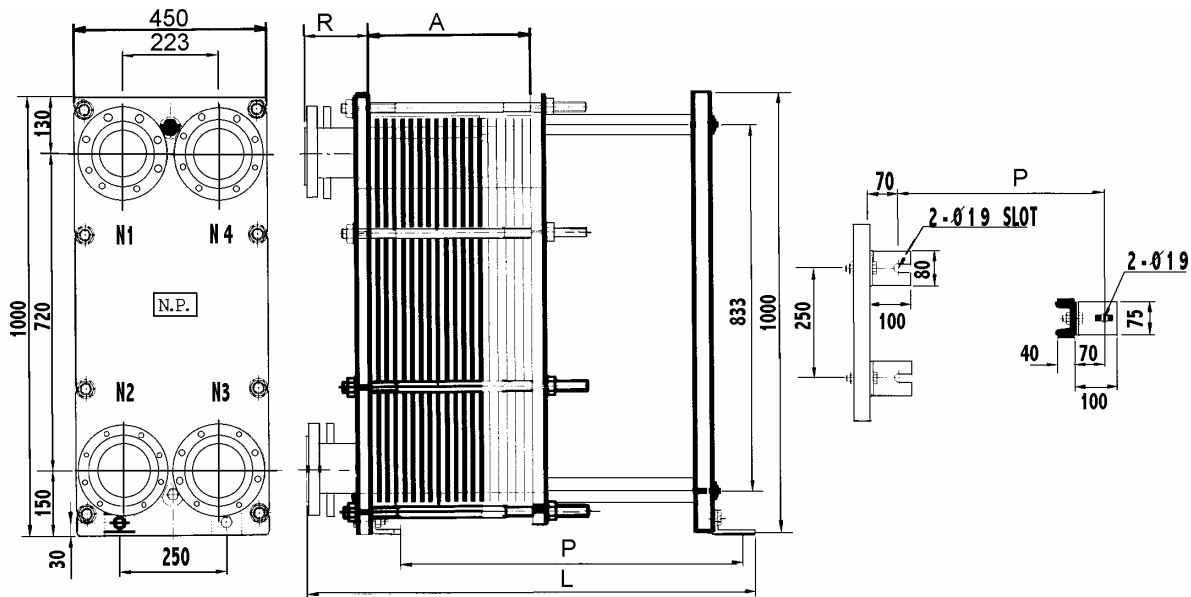
網 址： <http://www.arith.com.tw>



Plate Heat Exchanger Type: DX22V-1P

Option: VTA28-G5

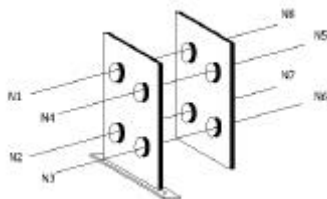
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E. Glycol / Water	Date	11-Nov-02



Design / Test Pressure				10/13	barg	Wt Empty	318	kg
						Wt Full	348	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax	
		560	810			175		
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt	
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24	
						LJ-LF		

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	100	21.10	Ethylene Glycol 50% 60c	in
N2	100	21.10	Ethylene Glycol 50% 60c	out
N3	100	9.87	Water	in
N4	100	9.87	Water	out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E. Glycol / Water

Unit Designed:	DX-22V - 1P -15	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	21.10	9.87 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	90.8	20.1
Heat Load	kW	451	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2401	
Heat Transfer Coeff Design	W/m2,C	6446	
Design margin	%	168.5	
Plateage		7 X 1	7 X 1+ 1
Number of plates		15	
Area	m2	3.58	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	318	
Unit weight full (water)	kg	348	
Packed Volume	m3	1	



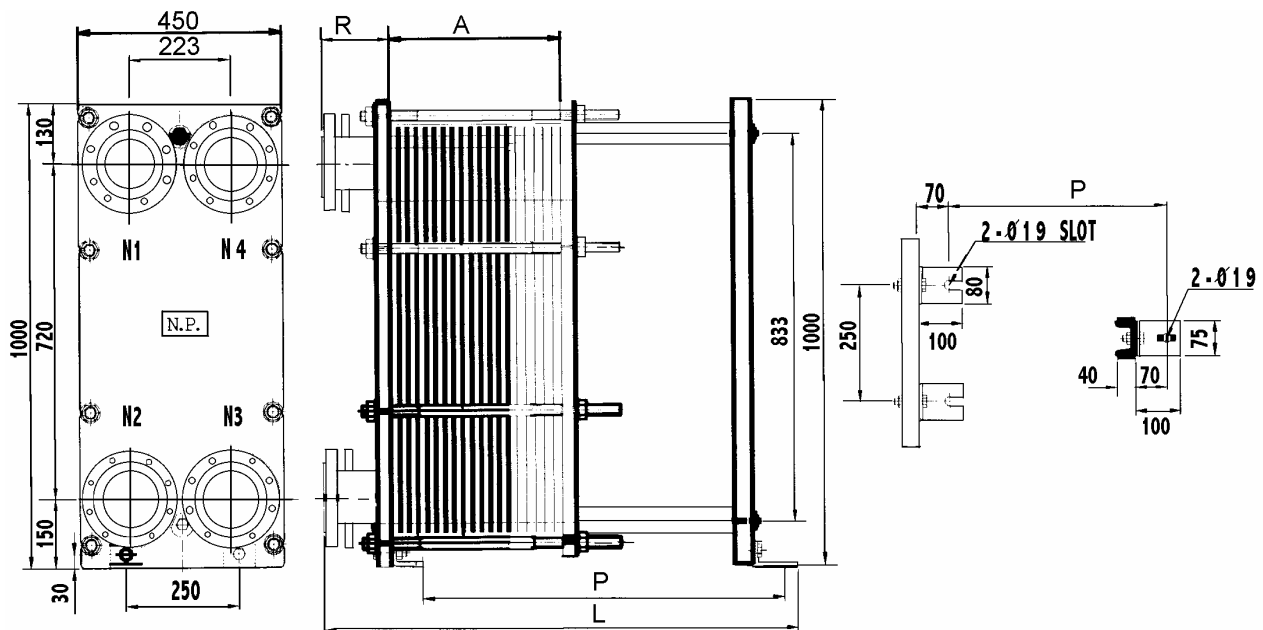
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Plate Heat Exchanger Type: DX22V-1P

Option: KTA19-G4-ALT.

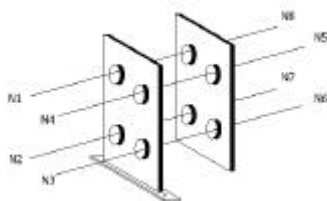
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E glycol water / water	Date	11-Nov-02



Design / Test Pressure				10/13	barg	Wt Empty	312	kg
						Wt Full	338	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax	
		560	810			175		
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt	
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M24	
						LJ-LF		

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	100	13.20	Ethylene Glycol 50% 60c	in
N2	100	13.20	Ethylene Glycol 50% 60c	out
N3	100	6.18	Water	in
N4	100	6.18	Water	out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E glycol water / water

Unit Designed:	DX-22V - 1P -11	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	13.20	6.18 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	72.8	16.2
Heat Load	kW	282	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2172	
Heat Transfer Coeff Design	W/m2,C	6077	
Design margin	%	179.8	
Plateage		5 X 1	5 X 1+ 1
Number of plates		11	
Area	m2	2.48	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	100	100
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	312	
Unit weight full (water)	kg	338	
Packed Volume	m3	1	



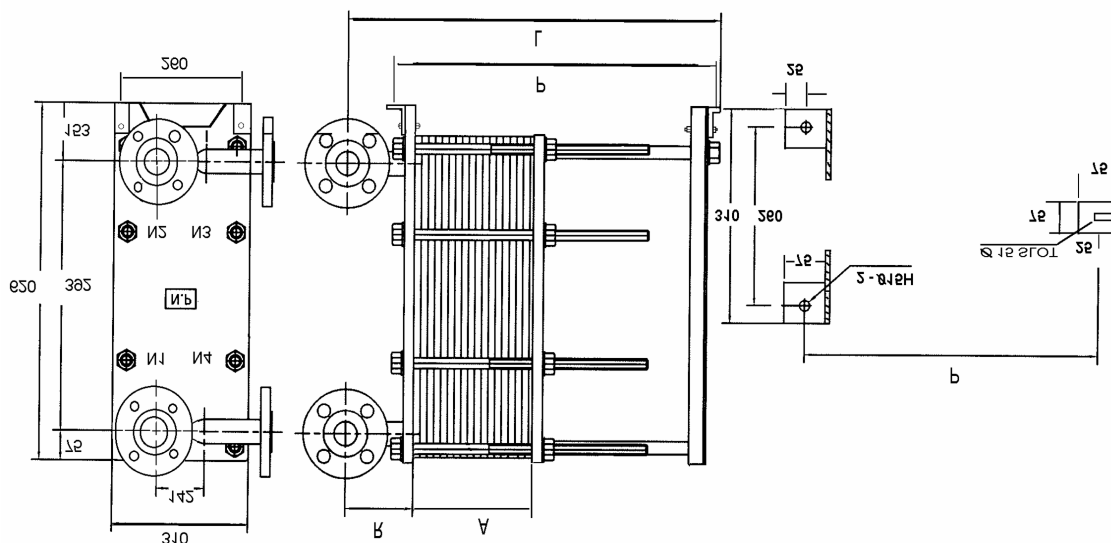
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Plate Heat Exchanger Type: DX2-1P

Option: KTA19-G4

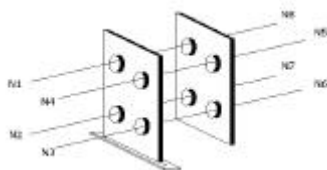
Client	Arith Company	Quotation Number	4131102TALP
Service	50% E. Glycol / Water	Date	11-Nov-02



Design / Test Pressure				10/13	barg	Wt Empty	109	kg
						Wt Full	117	kg
Dimension	A (mm)	P (mm)	L (mm)	Frame (t)	Plate (t)	R (mm)	Rmax	
		600	700			175		
Material	Frame	Plate	Gasket	NozL (hot)	NozL (cold)	Flange	Bolt	
		AISI 316L	NBR	AISI316L	AISI316L	ANSI150#	M20	
							LJ-LF	

NOZZLE DETAILS

Nozzle	Size mm	l/s	Media	
N1	50	13.20	Ethylene Glycol 50% 60c	in
N2	50	13.20	Ethylene Glycol 50% 60c	out
N3	50	6.18	Water	in
N4	50	6.18	Water	out



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AHTT PLATE HEAT EXCHANGER DATA SHEET

Client: Arith Company

Service: 50% E. Glycol / Water

Unit Designed:	DX-2 - 1P -25	HOT LIQUID	COLD LIQUID
Fluid:		Ethylene Glycol 50% 60c	Water
Flowrate	l/s	13.20	6.18 l/s
Temperature in	C	93.0	32.0
Temperature out	C	87.0	43.0
Pressure drop allowed	kpa	100.1	100.1
Pressure drop calculated	kpa	95.5	21.2
Heat Load	kW	282	
Specific Gravity		1.040	0.994
Specific Heat	KJ/Kg,C	3.433	4.182
Thermal Conductivity	W/m,C	0.406	0.616
Viscosity	Cp	1.500	0.801
LMTD	C	52.46	
Heat Transfer Coeff Service	W/m2,C	2834	
Heat Transfer Coeff Design	W/m2,C	6298	
Design margin	%	122.2	
Plateage		12 X 1	12 X 1+ 1
Number of plates		25	
Area	m2	1.90	
Design / Test pressure	barg	10/13	
Design temperature	C	113	
Plate Thickness	mm	0.6	
Plate material		AISI 316L	AISI 316L
Gasket material		NBR	NBR
Connection size	mm	50	50
Connection specification		ANSI150#	ANSI150#
Connection type		LJ-LF	LJ-LF
Connection material		AISI316L	AISI316L
Unit weight empty	kg	109	
Unit weight full (water)	kg	117	
Packed Volume	m3	1	



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