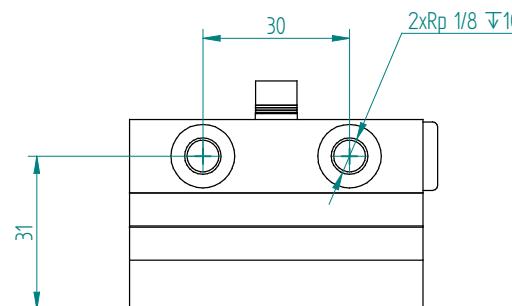


Specification: (Ta=32°C)	Code:	Description:
Heat transfer, cold side:	D	Direct
Heat transfer, warm side:	L	Liquid
Cascade:	-	-
Cooling power [W]	120	Calculated 135 W at $\Delta T=0^\circ\text{C}$ Tolerance: $\pm 10\%$.
Voltage, nominal: [VDC]	24	24 VDC
TEM Voltage: [VDC]		Nominal 24 VDC, Max 30 VDC
TEM Current: [A]		Nominal 4.7 A, Initial 5.2 A, All at $\Delta T=0^\circ\text{C}$ Tolerance: $\pm 10\%$.
Fans, cold side:	0	None.
Fans, warm side:	0	None.
Temperature controller, sensor:	0	None.
Temperature control settings, trim options:	0	-
Additional controller information:		
Temperature control position:	0	-
Options:	0	-
Overheating thermostat:		75°C $\pm 5^\circ\text{C}$ on hot side heat sink surface. Not wired in serie with TEMs. Use it to control a relay.
Operating temperature:		Max. 62°C at nominal voltage.
TE-Module(s) temperature specification:		Max. surface temperature: 80°C
Enclosed:		Turbolators fitted in liquid channels. 2 x L-PNIPP-6-1/8
Packing:		Individual cardboard box.

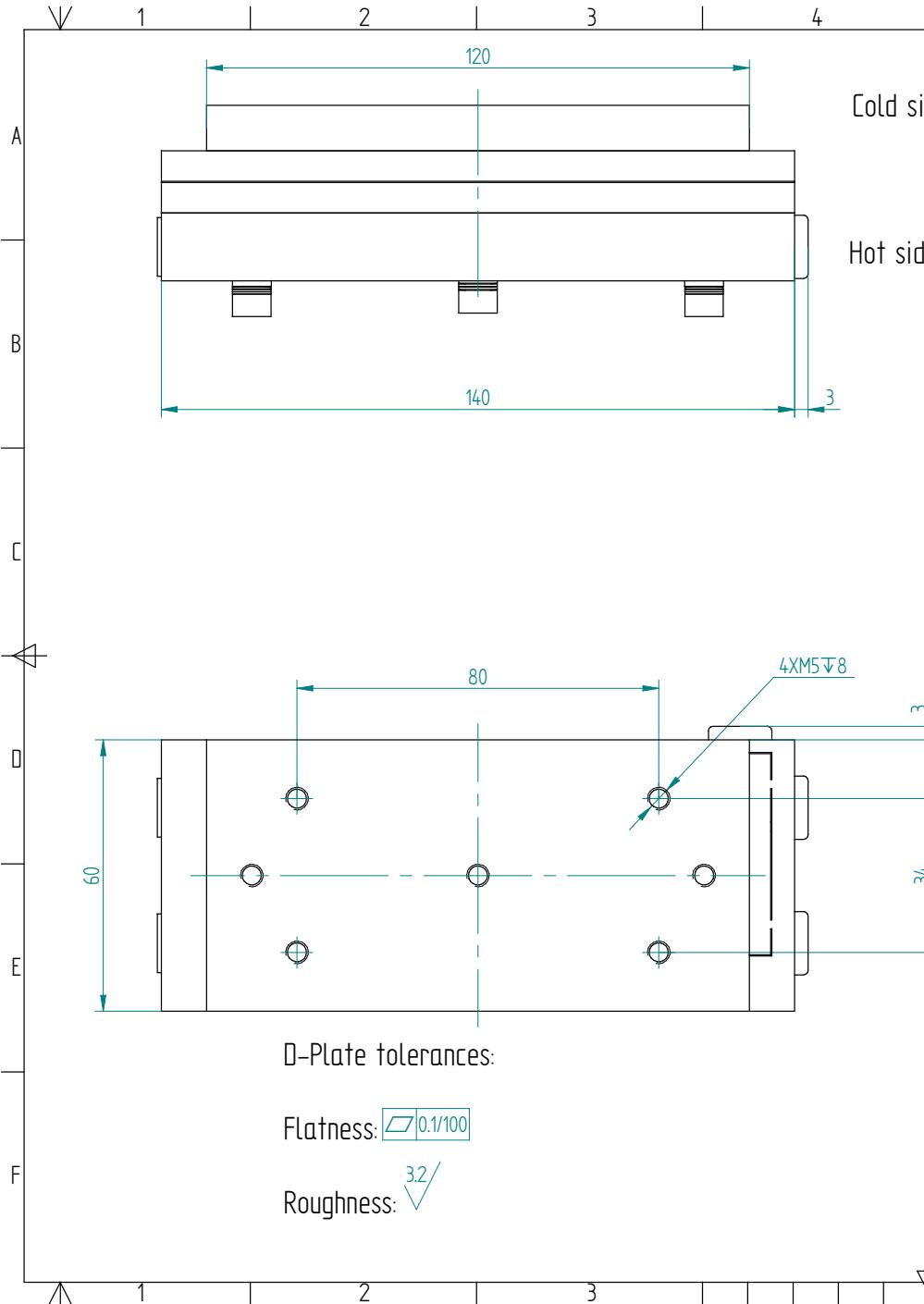


For overheating protection the cooler is equipped with a bimetal thermostat. The maximum rating for the thermostat is 8 A DC. For systems with 8 A or less the thermostat can be connected directly in series with the ThermoElectric Modules (TEM:S). Otherwise connect the TEM:s to the power source through a relay of suitable rating which state is controlled with the bimetal thermostat.

General tolerances: SS-ISO 2768-1 v
First angle projection: Metric: [mm]

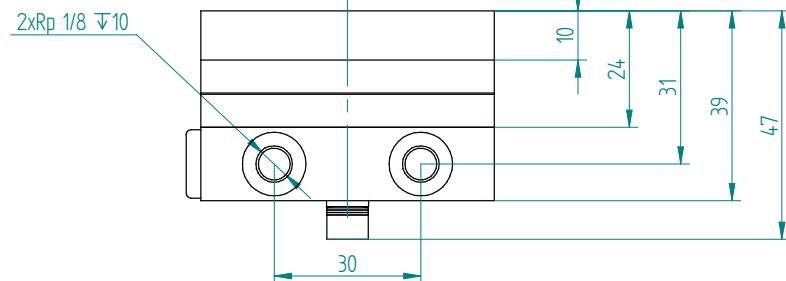
Comment / Deviations: Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. RoHS. Hi-Pot tested 750VDC					
Designed by:	Checked by:	Approved by:	Release date:	Project:	Customer:
M.Nyman	C.Johansson	C.Johansson	2011-10-20	Standard	
Laird Technologies S-43153 Molndal, Sweden tfn: +46 31 42050, fax +46 31 247909 e-mail: info@lairdtech.com Web: www.lairdtech.com					Title: TE ASSEMBLY 24VDC DIRECT-LIQUID
Part nr:	DL-120-24-00-00-00	Rev.:	05	Version:	1/1
Size, sheet:					A3, 1/15

Note:
Cooled liquid block needs to be isolated from air humidity to minimize risk for condensation and thermally insulated for best performance.

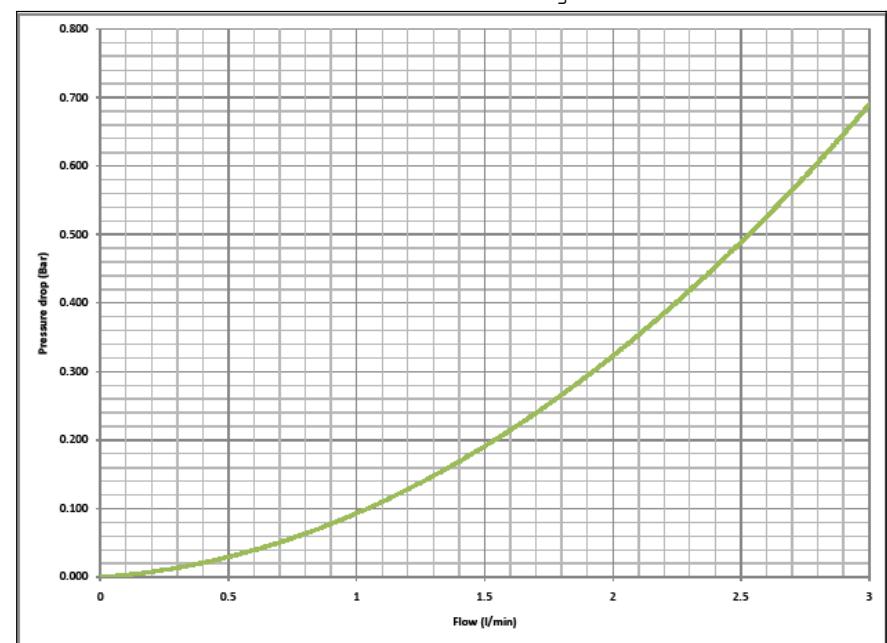


Cold side

Hot side



Typical Pressure - Flow behavior of liquid block assembly.
(for more information contact Laird Technologies customer service)



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Comment / Deviations:					
Heat sinks and, if applicable, D-plates and shrouds in anodised aluminium. RoHS. Hi-Pot tested 750VDC					
Designed by: M.Nyman	Checked by: C. Johansson	Approved by: C. Johansson	Release date: 2011-10-20	Project Standard	Customer:
Laird Technologies S-43153 Mölndal, Sweden tfn: +46 31 420530, fax: +46 31 247909 e-mail: info@lairdtech.com Web: www.lairdtech.com	Title: TE ASSEMBLY 24VDC DIRECT-LIQUID		Part nr DL-120-24-00-00-00	Rev. 05	Version -
	Scale 1:1		Size, sheet A3 (25)		

Mouser Electronics

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