



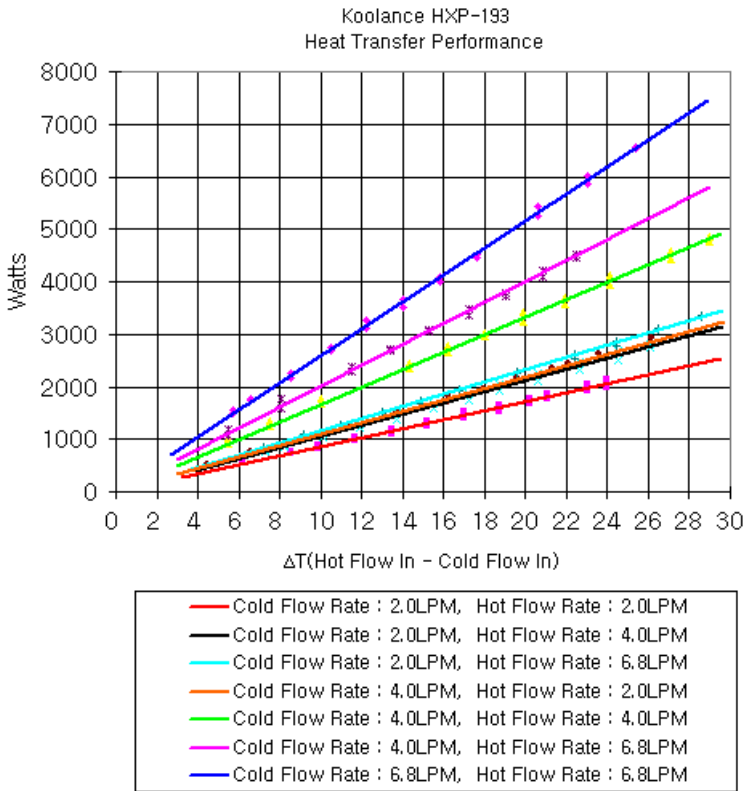
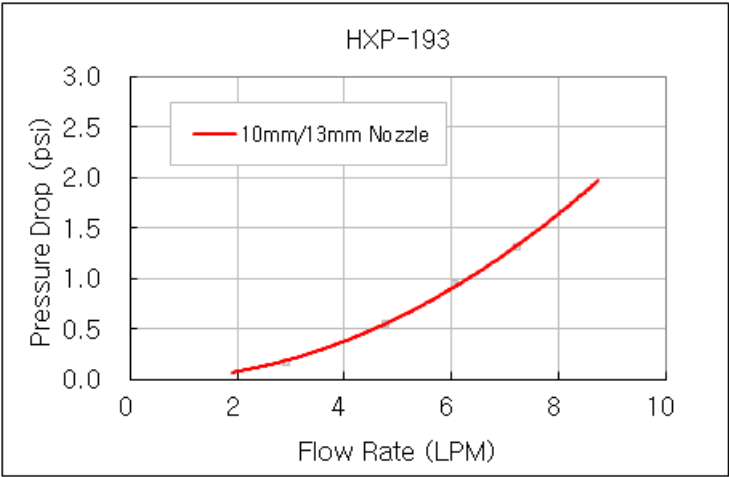
Plate heat exchangers provide highly efficient heat transfer between two liquids without allowing them to mix. They are ideal for managing coolant pressure differences, and for isolating sensitive equipment from potentially damaging liquids. Koolance plate heat exchangers are among the most compact and cost effective available.

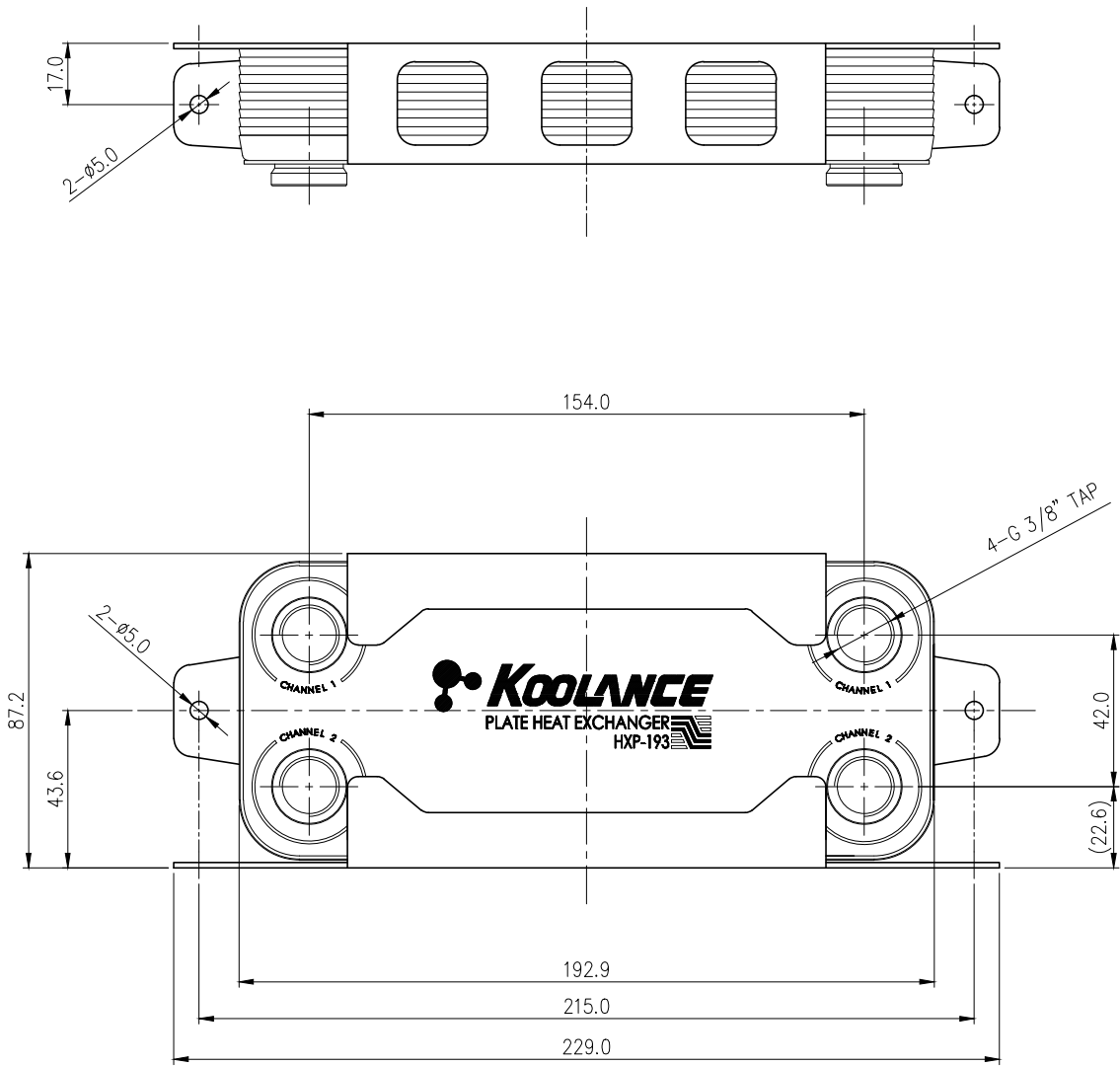
The HXP-193 is made of copper-brazed stainless steel and plated externally in nickel. A detachable heavy steel mounting bracket and screws are included. G 3/8 BSPP threads.


- Heat Transfer: 4.0 kW (13,600 BTU/hr) (@5LPM, Delta between inlets = 20 °C)
- Design Pressure: 15kgf/cm<sup>2</sup> (213 PSIG)
- Design Temperature: -100 °C (-148 °F) min, 200 °C (392 °F) max
- Number of Plates: 12
- Channel Plate Material: SUS304 Stainless Steel
- Brazing Material: Copper

General	
Weight	2.50 lb (1.13 kg)
Fitting Thread	G 3/8 BSPP
Max Pressure Tolerance @ 25 °C	20kgf/cm <sup>2</sup> (284.5psi)
Max Temperature Tolerance	200 °C (392 °F)
Wetted Materials	SUS304, Copper, Nickel

- Heat Exchanging Rate(ΔT=10°C)				
Flow	Cold Flow			
Hot Flow	Flow Rate	2 LPM	4 LPM	7 LPM
	2 LPM	860W	1070W	1160W
	4 LPM	1070W	1670W	2000W
	7 LPM	1160W	2000W	2580W
- Heat Exchanging Rate(ΔT=20°C)				
Flow	Cold Flow			
Hot Flow	Flow Rate	2 LPM	4 LPM	7 LPM
	2 LPM	1720W	2140W	2320W
	4 LPM	2140W	3340W	4000W
	7 LPM	2320W	4000W	5160W





NO.	DESCRIPTION				MATER'L		QUANTITY	REMARKS
 <b>KOOLANCE®</b>					UNIT	MM	APPAR HXP-193	
					SCALE	N/S	TITLE	
	BY	BY	BY	APPRO BY	3RD ANGLE		Ass'y	
DATE								
04/11/2017	S.J.LEE				CODE NO.		DWG. NO.	