

TECHNICAL PRODUCT SUBMITTAL



LOK Packaged Plate Heat Exchangers

Key features Include:

- High Efficiency
- 316 Stainless Steel vessel
- WRAS Approved

Output

Heat Transfer Duty	kW
Thermal efficiency	%

Primary Side

Inlet Temperature	°C
Outlet Temperature	°C
Fluid Flow Rate	litre/second

Fluid type

Connection size and type	
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Max Working Temperature	°C
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Maximum Working Pressure	bar
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Secondary Side

Inlet Temperature	°C
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Outlet Temperature	°C
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Fluid Flow Rate	litres/second
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Fluid type

pressure drop	bar
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Connection size and type	Inch BSPT Male
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Max Working Temperature	°C
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Maximum Working Pressure	bar
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Performance

Recovery Rate @ 55°C ΔT	litres/hour
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Recovery Rate @ 55°C ΔT	litres/second
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Recovery Rate @ 50°C ΔT	litres/hour
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Recovery Rate @ 50°C ΔT	litres/second
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Dimensions

Height	mm
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Width	mm
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Depth	mm
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Construction Details

Number Of Plates	
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Plate Material	
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Gasket Material	
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Empty weight single head primary pump	kg
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Empty weight twin head primary pump	kg
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WRAS Approval Number	
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Model LOK14-550

Heat Transfer Duty	550
Thermal efficiency	99.5

Inlet Temperature	82
Outlet Temperature	Varies Depending On Demand (47 At Full Demand)

Fluid Flow Rate	3.83
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Fluid type	Water
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Connection size and type	DN40 PN6 Flange
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Max Working Temperature	99
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Maximum Working Pressure	6
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Inlet Temperature	Varies Depending On Demand (10 At Full Demand)
Outlet Temperature	65

Fluid Flow Rate	2.41
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Fluid type	water
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pressure drop	0.17
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Connection size and type	2"
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Max Working Temperature	85
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Maximum Working Pressure	6
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Recovery Rate @ 55°C ΔT	8640.0
Recovery Rate @ 55°C ΔT	2.4

Recovery Rate @ 50°C ΔT	9504
Recovery Rate @ 50°C ΔT	2.64

Height	1541
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Width	643
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Depth	964
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Number Of Plates	31
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Plate Material	AISI 316 Stainless Steel
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Gasket Material	EPDM - Clip On
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Empty weight single head primary pump	194
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Empty weight twin head primary pump	214
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WRAS Approval Number	1401052
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LOK packaged plate heat exchangers must be installed and maintained in line with the Installation Commissioning and Maintenance Instructions which are available on the Literature & Downloads section of www.lochinvar.ltd.uk