

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	Inch BSPT Female
Max Working Temperature	°C
Maximum Working Pressure	bar

Secondary Side

Inlet Temperature	°C
Outlet Temperature	°C
Fluid Flow Rate	litres/second
Fluid type	
pressure drop	bar
Connection size and type	Inch BSPT Male
Max Working Temperature	°C
Maximum Working Pressure	bar

Performance

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

Dimensions

Height	mm
Width	mm
Depth	mm

Construction Details

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

Model LOK8-50

Heat Transfer Duty	50
Thermal efficiency	99.5
Inlet Temperature	82
Outlet Temperature	Varies Depending On Demand (50 At Full Demand)
Fluid Flow Rate	0.38
Fluid type	Water
Connection size and type	1 1/4
Max Working Temperature	99
Maximum Working Pressure	6
Inlet Temperature	Varies Depending On Demand (10 At Full Demand)
Outlet Temperature	65
Fluid Flow Rate	0.22
Fluid type	water
pressure drop	0.18
Connection size and type	1 1/4
Max Working Temperature	85
Maximum Working Pressure	6
Recovery Rate @ 55°C ΔT	792
Recovery Rate @ 55°C ΔT	0.22
Recovery Rate @ 50°C ΔT	864
Recovery Rate @ 50°C ΔT	0.24
Height	1445
Width	643
Depth	1023
Number Of Plates	8
Plate Material	AISI 316 Stainless Steel
Gasket Material	EPDM - Clip On
Empty weight single head primary pump	110
Empty weight twin head primary pump	128
WRAS Approval Number	1401052

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