

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 | |
|--------------------------|--|

| | |
|-------------------------|----|
| 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 LOKT14-550

| | |
|--------------------|------|
| 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 |
|-----------------|------|

| | |
|------------|-------|
| Fluid type | Water |
|------------|-------|

| | |
|--------------------------|-----------------|
| Connection size and type | DN40 PN6 Flange |
|--------------------------|-----------------|

| | |
|-------------------------|----|
| Max Working Temperature | 99 |
|-------------------------|----|

| | |
|--------------------------|---|
| Maximum Working Pressure | 6 |
|--------------------------|---|

| | |
|--------------------|--|
| Inlet Temperature | Varies Depending On Demand (10 At Full Demand) |
| Outlet Temperature | 65 |

| | |
|-----------------|------|
| Fluid Flow Rate | 2.41 |
|-----------------|------|

| | |
|------------|-------|
| Fluid type | water |
|------------|-------|

| | |
|---------------|------|
| pressure drop | 0.17 |
|---------------|------|

| | |
|--------------------------|----|
| Connection size and type | 2" |
|--------------------------|----|

| | |
|-------------------------|----|
| Max Working Temperature | 85 |
|-------------------------|----|

| | |
|--------------------------|---|
| Maximum Working Pressure | 6 |
|--------------------------|---|

| | |
|-------------------------|--------|
| 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 |
|--------|------|

| | |
|-------|-----|
| Width | 643 |
|-------|-----|

| | |
|-------|-----|
| Depth | 964 |
|-------|-----|

| | |
|------------------|----|
| Number Of Plates | 31 |
|------------------|----|

| | |
|----------------|--------------------------|
| Plate Material | AISI 316 Stainless Steel |
|----------------|--------------------------|

| | |
|-----------------|----------------|
| Gasket Material | EPDM - Clip On |
|-----------------|----------------|

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|---------------------------------------|-----|
| Empty weight single head primary pump | 194 |
|---------------------------------------|-----|

| | |
|-------------------------------------|-----|
| Empty weight twin head primary pump | 214 |
|-------------------------------------|-----|

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|----------------------|---------|
| 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