



## Type 31-160165.

**Pladevarmeveksler model U165R i 316L.  
 Til bassin størrelser 10 - 150m<sup>3</sup>.  
 Pakning materiale NBR.**

<b>Duty:</b>			
<b>Company:</b>	Welldana	<b>Item No:</b>	
	108 m <sup>3</sup>		
<b>PHE Type:</b>	U2	<b>Engineer:</b>	RBI
<b>Quotation No:</b>		<b>Date:</b>	2011.Dec.02 13.57

Process Data	Hot	Batch
Fluid	WATER	WATER
Overall Fluid Volume	l	108000,0
Mass Flow Rate	kg/h	3401
Volume Flow Rate	l/h	3500
Inlet / Starting Temperature	°C	80,000
Outlet/Ending Temperature, Duty	°C	28,000
Heating / Cooling Time Needed	min	1440,00
Pressure Drop, calculated	bar	0,18
Heat Exchange Rate, Duty	kW	104,30
Design (Duty) HTC	W/°C m <sup>2</sup>	2614,3
Clean HTC	W/°C m <sup>2</sup>	6900,4
% Difference in HTC		164,0%
Fluid Volume in PHE	l	0,8
		0,8

Fluid Properties	Hot	Cold
Density	kg/(m <sup>3</sup> )	979,6
Specific Heat Capacity	kJ/kg °C	4,185
Thermal Conductivity	W/m °C	0,659
Inlet Viscosity	mPa s	0,36
Outlet Viscosity	mPa s	0,51

