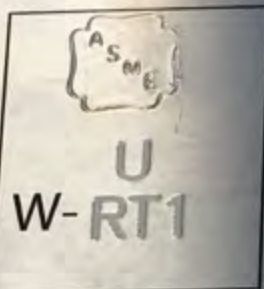


NB 4317



Manufactured & Certified by  
**HEAT EXCHANGER DESIGN, INC.**  
*Indy USA*

Shell Side **485** PSI @ **410** °F

Tube Side **630** PSI @ **410** °F

Maximum Allowable Working Pressure

Shell Side **FV** PSI @ **410** °F

Tube Side **FV** PSI @ **410** °F

Maximum Allowable External Working Pressure

Shell Side **-20** °F @ **485/FV** PSI

Tube Side **-20** °F @ **630/FV** PSI

Minimum Design Metal Temperature

Customer: **MEG ENERGY CORP.**

P.O.#: **P-5330-01** CRN: **W9505.2**

Service: **HP BFW MIN FLOW RECYCLE COOLER**

Item: **3A-E-397A** Year Built: **2017**

Manufactured & Certified by  
**HEAT EXCHANGER DESIGN, INC.**



Serial Number

**4565B1**

Hydro Test Pressure

**4351 / 5647**

Shell Side / Tube Side

Shell Side **3344/FV** Kpa @ **210** °C

Tube Side **4344/FV** Kpa @ **210** °C

Maximum Allowable Working Pressure

Shell Side **-29** °C @ **3344/FV** Kpa

Tube Side **-29** °C @ **4344/FV** Kpa

Minimum Design Metal Temperature