

# NASS-Titanium Heat Exchanger

Water To Water Tube In Shell Heat Exchangers

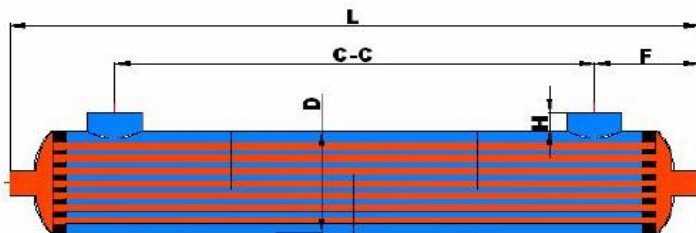
## Applications:

- ✓ Pool Heating
- ✓ Hot Tub Heating
- ✓ Oil Cooling & Heating
- ✓ Heat Recovery
- ✓ Solar Thermal Heat Dump

**Tube in shell heat exchangers** are designed to perform for applications that have high flow rates and require a low pressure drop. These heat exchangers are made up of annealed tubing to reduce the risk of thermo shock risk and made up of grade 1 tubing and grade 2 shell to ensure strength and durability with optimized tubing diameter to allow higher velocity and heat transfer with better self-cleaning properties than traditional heat exchangers.



Model	Pool Load KBTU	Dimension in mm/inch					Connection NPT	
		L	D	C-C	F	H	Tubeside	Shellside
		mm/inch	mm/inch	mm/inch	mm/inch	mm/inch	in	in
HCR3-17Ti	40-170	510/20.1	89/3.5	298/11.7	106/4.2	20/0.8	1 1/2	1 1/2
HCR4-37Ti	200-370	665/26.2	108/4.3	437/17.2	114/4.5	20/0.8	1 1/2	1 1/2
HCR5-100Ti	500-1200	930/36.6	133/5.2	687/27.0	122/4.8	20/0.8	2	2



Rating	Design Pressure	Design Temperature	Material
Shell Side	130 psi	230 F	Grade 2
Tube Side	130 psi	250 F	Grade 1

