

NASS-Side Arm Heat Exchanger

Water to water tube in shell heat exchanger

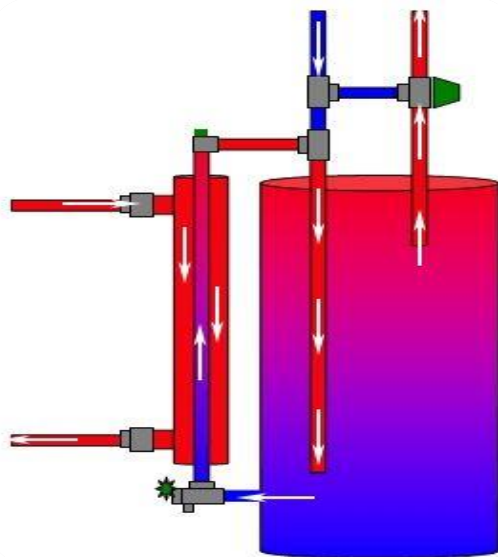
Applications:

- ✓ Outdoor wood boiler domestic hot water tie in
- ✓ Boiler tie into domestic hot water
- ✓ Solar thermal heat dump to domestic hot water

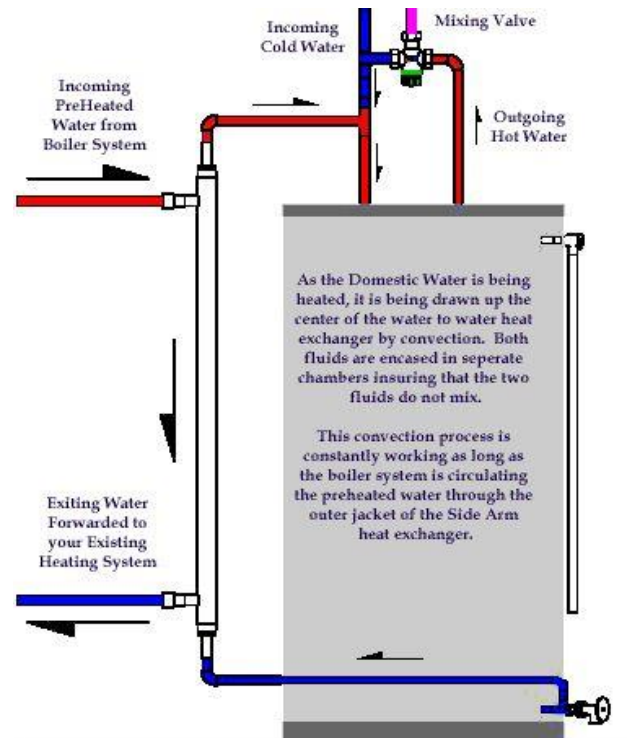
These heat exchangers are Fin Enhanced side arm heat exchanger, using a fin design adds more surface area giving us an surface area five to eight times larger than traditional tube in shell side arms.

Fin Enhanced Advantages:

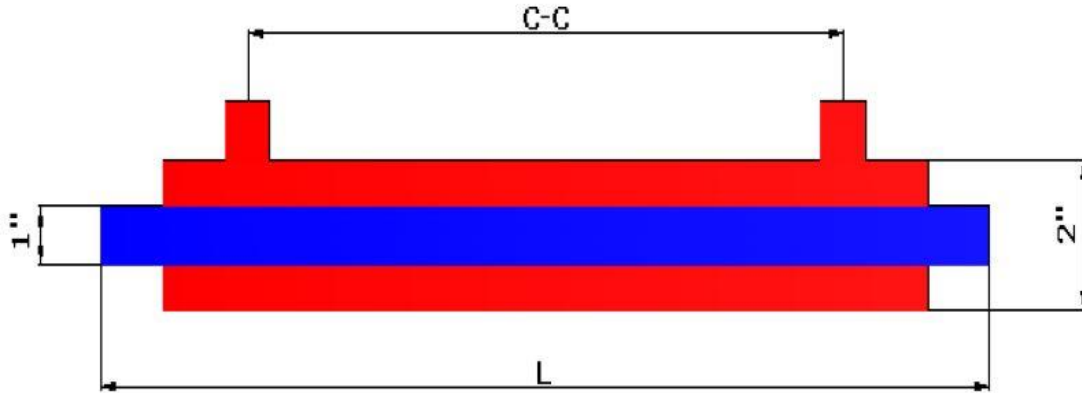
- ✓ Highly Efficient
- ✓ Better Heat Transfer
- ✓ Takes up less space due to compact design
- ✓ Faster recovery time
- ✓ Made from stainless steel



1



Size and Specifications



Model No	L	Connection size		Construction	C-C Distance	
		DHW Side	System Side		System Side	
FES-115	38.4"/975mm	3/4" NPT	1" NPT	SS304	33.7"/855mm	
FES-95	33.1"/840mm	3/4" NPT	1" NPT	SS304	28.3"/720mm	

CROSS REFERENCE

Type	Length	Tube Size	Heat Transfer	Capacity/BTU	Tank Size	Heat Recovery Time
		Outer/Inner	Surface Area	Siphon		
Copper Sidearm	60"	2"/1"	1.13 ft ²	11600	60 Gallon	6.8 hours
FES-115	38"	2"/1"	3.62 ft ²	23000	60 Gallon	3.8 hours
Flat Plate 5x12	10 Plate		2.62 ft ²			
Copper Sidearm	48"	1.5"/1"	0.91 ft ²	9600	40 Gallen	6.5 hours
FES-95	33"	2"/1"	3.16 ft ²	19000	40 Gallon	3.4 hours