

FLUID COOLING | Shell & Tube SSC Series

Features

- Preferred for New Oil-Water Applications
- Rugged Steel Construction
- Low Cost
- Type 316 Stainless Steel Construction
- Custom Designs Available
- Competitively Priced



- NPT, SAE O-Ring, SAE Flange, or BSPP Shell Side Connections Available
- End Bonnets Removable for Servicing
- Mounting Feet Included (May be rotated in 90° increments)

Ratings Standard

Maximum Shell Pressure 300 psi

Maximum Tube Side Pressure 150 psi

Maximum Temperature 300°F

Materials SSC Series

Tubes 316 Stainless Steel

Tubesheets 316 L Stainless Steel

Shell 316 L Stainless Steel

Shell Connections 316 L Stainless Steel

Baffles 316 Stainless Steel

End Bonnets 316 Stainless Steel

Mounting Brackets Mild Steel

Gaskets Nitrile Rubber/Cellulose Fiber

Nameplate Aluminum Foil

How to Order

	-		-		-		-		-		-			
Model Series SSC CS & SSCS CM & SSCM CF CFM CA/SSCA		Model Size Selected		Baffle Spacing		Tube Diameter Code 4 - 1/4" 6 - 3/8"		Tube Side Passes O - One Pass T - Two Pass F - Four Pass		Cooling Tube Material SS - Stainless Steel		End Bonnet Material SB - Stainless Steel		Tubesheet Material S - Stainless Steel

C = NPT Shell side connections; NPT Tube side connections

CS = SAE O-Ring Shell side connections; NPT Tube side connections

CM = BSPP Shell side connections; BSPP Tube side connections

CF = SAE Flange (with UNC threads) Shell side connections; NPT Tube side connections

CFM = SAE Flange (with Metric threads) Shell side connections; BSPP Tube side connections

SSC = NPT Shell side connections; NPT Tube side connections

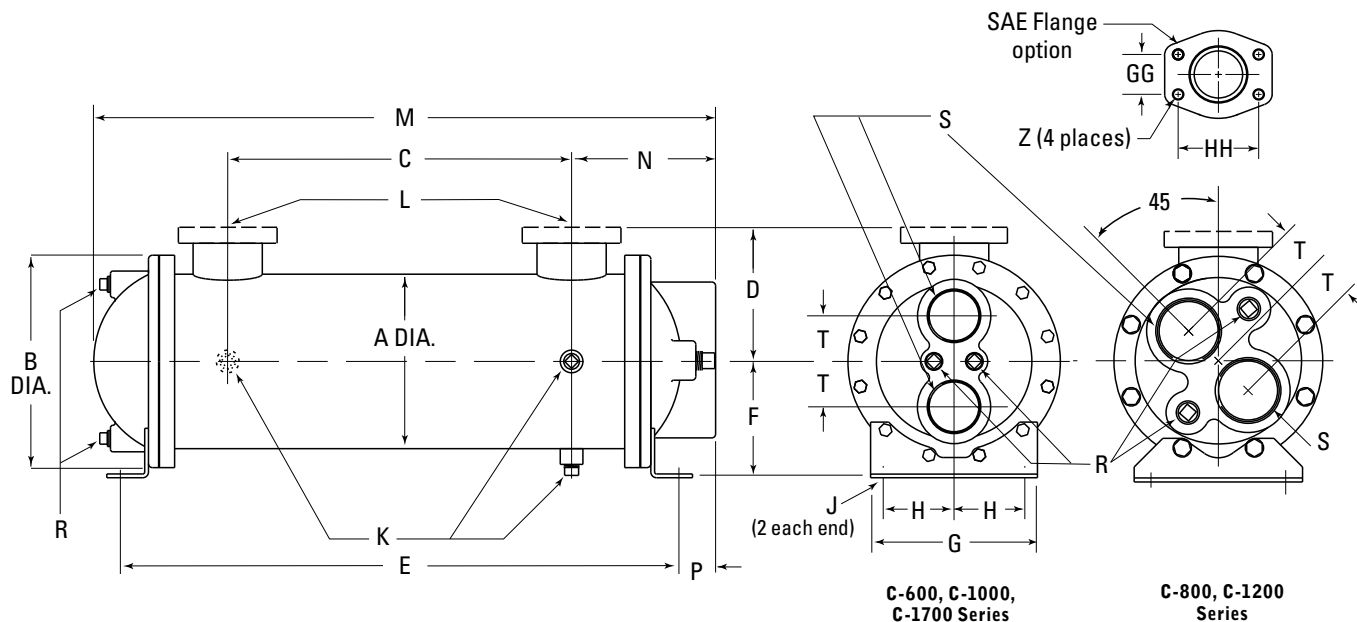
SSCS = SAE O-Ring Shell side connections; NPT Tube side connections

SSCM = BSPP Shell side connections; BSPP Tube side connections

CA/SSCA = 150# ASME RF Flanges on Shell; NPT Tube side connections

Dimensions

Two Pass

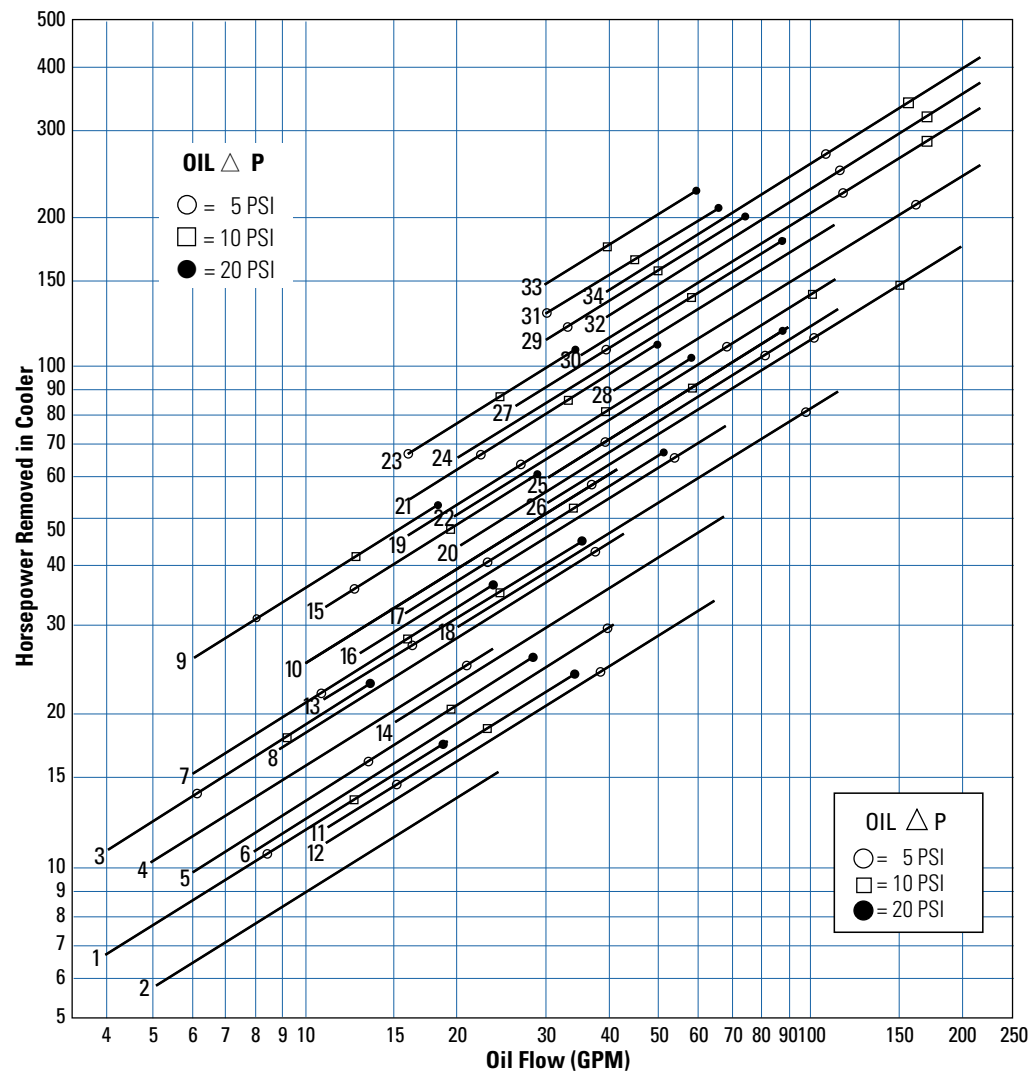


Flange Size	GG	HH	Z - CF	Z - CFM
1	1.03	2.06	3/8-16 UNC	M-10
1.50	1.41	2.75	1/2-13 UNC	M-12
2	1.69	3.06		
3	2.44	4.19	5/8-11 UNC	M-16

MODEL SIZE	A	B	C	D		E	F	G	H	J	K NPT	L		M	N	P	R NPT	S NPT/ BSPP	T	
				NPT/BSPP SAE O-RING	SAE FLANGE							NPT/BSPP FLANGE	SAE O-RING							
614	3.25	4.50	10.00	2.62	2.88	16.38	2.75	4.18	1.62	.44 DIA.	(3) .25	1.00	#16 1 ⁵ /16-12 UNF-2B	17.12	3.56	.38	(2) .38	1.00	1.00	
624			20.00			26.38							27.12							
814	4.25	6.00	9.00	3.25	3.50	16.62	3.50	4.25	1.75			1.50	#24 1 ⁷ /8-12 UN-2B	17.88	4.44	.63		(4) .38	1.25	1.06
824			19.00			26.62								27.88						
836			31.00			38.62								39.88						
1014	5.25	6.75	9.00	3.75	4.00	17.12	4.00	5.25	2.00	.50 x .75	(3)			2.00	#32 2 ¹ / ₂ -12 UN-2B	18.62	5.00		.94	(4) .38
1024			19.00			27.12						28.62								
1036			31.00			39.12						40.62								
1224	6.25	7.75	18.25	4.25	4.88	27.13	4.50	6.25	2.50			(3) .38	3.00			-		29.02		
1236			30.25			39.13				41.03										
1248			42.25			51.13				53.03										
1260			54.25			63.13				65.03										
1724	8.62	10.50	17.00	5.84	6.81	27.50	5.75	8.25	3.50	.62 x .88	(3) .38	3.00	-	30.62	7.06	1.81	(4) .50	2.50	2.25	
1736			29.00			39.50								42.62						
1748			41.00			51.50								54.62						
1760			53.00			63.50								66.62						
1772			65.00			75.50								78.62						

NOTE: We reserve the right to make reasonable design changes without notice. Consult factory. All dimensions are inches.

Performance Curves



Model	Ship Wt. (lbs)
1. SSC-614-1.3-4-F	17
2. SSC-614-3-4-F	17
3. SSC-624-1.3-4-F	24
4. SSC-624-3-4-F	24
5. SSC-814-1.7-4-F	32
6. SSC-814-4-4-F	32
7. SSC-824-1.7-4-F	41
8. SSC-824-4-4-F	41
9. SSC-836-1.7-4-F	53
10. SSC-836-4-4-F	53
11. SSC-1014-2-6-F	43
12. SSC-1014-5-6-F	43
13. SSC-1024-2-6-F	57
14. SSC-1024-5-6-F	57
15. SSC-1036-2-6-F	72
16. SSC-1036-5-6-F	72
17. SSC-1224-2.5-6-F	85
18. SSC-1224-6-6-F	85
19. SSC-1236-2.5-6-F	110
20. SSC-1236-6-6-F	110
21. SSC-1248-2.5-6-F	135
22. SSC-1248-6-6-F	135
23. SSC-1260-2.5-6-F	160
24. SSC-1260-6-6-F	160
25. SSC-1724-3.5-6-F	140
26. SSC-1724-8.4-6-F	140
27. SSC-1736-3.5-6-F	180
28. SSC-1736-8.4-6-F	180
29. SSC-1748-3.5-6-F	220
30. SSC-1748-8.4-6-F	220
31. SSC-1760-3.5-6-F	260
32. SSC-1760-8.4-6-F	260
33. SSC-1772-3.5-6-F	300
34. SSC-1772-8.4-6-F	300

*Shipping Weights are approximate