The Concept: The problem with exteral strainers has always been that they were difficult to perform routine maintenance on. The strainer had to be removed from the hull in order to gain access to the thru-hull beneath the strainer to remove barnacles and other nuisance marine growth.

GROCO has introduced three models of hull

strainers that have a unique patented access door that enables you to clean the plumbing beneath the strainer without removing it from the hull.

Installation: Install APHS, ASC and RSC with access door facing aft. Use stainless steel fasteners and marine grade caulk to secure the strainer to the hull.

Bonding: At least one of the screws used to fasten the hull strainer to the hull should be long enough to go through the hull and be used to connect the hull strainer to the vessel bonding system.

Maintenance: Disengage the split ring from the clevis pin, then remove the clevis pin from the access door. The door will be free to swing open.

Scoop w/Mount Ring: A fourth model (SC series) does not have the access door,

but instead includes a mount ring. The ring mounts permanently to the hull and has multiple threaded holes for fastening the scoop, which may then be removed as frequently as desired without damaging the hull.

Note: GROCO mount rings do not fit scoops manufactured by others.

### **Hull Strainers Ratio Open Screen Area to Pipe**

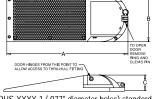
^	10	10	,

Model	Thru-hu <b>ll</b> Size	Open Area	Ratio to 1/2" 0.1963	Ratio to 3/4" 0,4418	Ratio to 1" 0,7854	Ratio to 1-1/4" 1,2272	Ratio to 1-1/2" 1,7671	Ratio to 2" 3,1416	Ratio to 2-1/2" 4,9087	Ratio to 3" 7,0686	Ratio to 4" 12,5660	Ratio to 5" 19,6350	Ratio to 6" 28,2700
			0.1903	0,4410	0.7634	1,2272	1,7071	3,1410	4,9007	7,0000	12,3000	19,0330	20.2700
APHS-1250	Up to 1-1/4"	3.56	18.12	8.05	4.53	2.90							
APHS-2000	Up to 2"	10.06	51.23	22.76	12.80	8.19	5.69	3.20					
APHS-3000	Up to 3"	23.41	119.28	53.00	29.81	19.08	13.25	7.45	4.70	3.31			
APHS-6000	Up to 6"	56.70	288.84	128.34	367.77	46.20	32.09	18.05	11.55	8.02	4.51	2.89	2.01
ASC-1250	Up to 1-1/4"	5.20	26.49	11.77	6.62	4.24							
ASC-2000	Up to 2"	12.00	61.13	27.16	15.28	9.78	6.79	3.82					
ASC-3000	Up to 3"	25.35	129.14	57.38	32.28	20.66	14.35	8.07	5.16	3.59			
ASC-6000	Up to 6"	63.70	324.50	144.18	81.11	51.91	36.05	20.28	12.98	9.01	5.07	3.24	2.25
RSC-1000	Up to 1"	1.16	5.92	2.63	1.48								
RSC-2000	Up to 2"	2.95	15.05	6.69	3.76	2.41	1.67	0.94					
RSC-4000	Up to 4"	9.80	49.91	22.17	12.47	7.98	5.54	3.12	2.00	1.39	0.78		
SC-1000	Up to 1"	2.31	11.77	5.23	2.94								
SC-1500	Up to 1-1/2"	4.71	23.97	10.65	5.99	3.83	2.66						
SC-2500	Up to 2-1/2"	6.64	33.83	15.03	8.45	5.41	3.76	2.11	1.35				
SC-4000	Up to 4"	21.27	108.34	48.14	27.08	17.33	12.04	6.77	4.33	3.01	1.69		

### APHS SERIES

### Perforated Strainer

APHS Series has perforated openings.



SELECT FROM THREE PERFORATION SIZE

APHS-XXXX-1 (.077" diameter holes) standard APHS-XXXX-2 (.125" diameter holes) APHS-XXXX-3 (.188" diameter holes)

MODEL	MAX T-HULL	Α	В	С	SCREWS	PKG	
APHS-1250	1-1/4"	7.00	3.38	1.50	4 #10	4	
APHS-2000	2"	10.25	4.38	1.63	5 #10	4	
APHS-3000	3″	15.38	6.00	2.00	5 #10	2	
APHS-6000*	up to 6"	20.25	11.00	4.00	9 #12	2	
*APHS-6000 will accommodate up to 6" hull opening if thru-hull fitting is not used.							

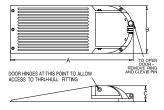
**REPLACEMENT SCREEN PART NO:** 93-XXXX-Y (XXXX = SIZE e.g., 1250, 2000) (Y = perf sizes, e.g., 1 = .077" std, 2 = .125", 3 = .188")

REPLACEMENT SCREWS FOR APHS SCREENS (order qty as needed): Prior to 041021: 1032X14HS (screws), PFW-K (washers) After 041021: 1420X38PPP only (no washers)



# ASC SERIES Slotted Strainer

ASC Series has .200" wide slotted openings.



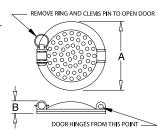
MODEL	MAX T-HULL	Α	В	С	SCREWS	PKG	
ASC-1250	1-1/4"	7.00	3.38	1.50	4 #10	4	
ASC-2000	2"	10.25	4.38	1.63	5 #10	4	
ASC-3000	3"	15.38	6.00	2.00	5 #10	2	
ASC-6000	up to 6"	20.25	11.00	4.00	9 #12	2	
ASC series has 2/10" wide slots.							

ASC Series	

# **RSC SERIES**

## Round Strainer

RSC Series has .188" wide slotted openings

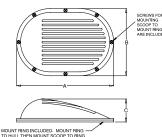


MODEL	MAX T-HULL	Α	В	SCREWS	PKG
RSC-1000	1"	3.63	.56	4 #10	4
RSC-2000	2"	5.20	.83	4 #10	4
RSC-4000	4"	9.00	1.3	4 #10	2



# SC SERIES Slotted Strainer with Mount Ring

FOR STRAINER
WITHOUT MOUNT RING,
specify suffix "-L"
when ordering.



MODEL	MAX T-HULL	Α	В	С	SCREWS	PKG
SC-1000	1"	5.25	3.62	1.12	6 #10	2
SC-1500	1-1/2"	6.812	4.70	1.35	6 #10	2
SC-2500	2-1/2"	8.50	6.00	1.80	6 #10	2
SC-4000	4"	12.50	8.62	6.50	8 #10	2

Mount the ring permanently. Fasten the strainer to the ring and remove as often as needed. Scoop-to-Ring fasteners are included



AL.