



Commercial Pool Systems, Inc.

252 Appalachian Drive Martinez, CA 94553
Voice: 925-938-7665 Cell: 925-788-7665 Fax: 925-938-7665
E-Mail: Sales@CommercialPoolSystems.com
Contractor's License # 794637 Expires 05-31-2009

Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

This document is provided for informational purposes only.

We have attempted to make this document as complete as possible as of the date of the document. Covers are constantly receiving certification. It is up to the user to verify for themselves of the available certified covers and the appropriate use of the covers for any application.

Commercial Pool Systems, Inc. does not recommend the use of any one product or device over another. Products must be applied as per need or use.

It is the job of the installer to understand the intended use and application prior to installation of any product.

Commercial Pool Systems, Inc. does recommend the use of products tested by a Nationally Recognized Testing Laboratory (NRTL) to the standards set forth in ASME/ ANSI A112.19.7, ASME/ ANSI A112.19.8 – 2007, ASME/ ANSI A112.19.8 – 2008 and ANSI/ASME A112.19.17 (SVRS Standard). All products must be installed per manufacturer's instructions and be jobsite specific to meet the criteria of each individual application.

This information is supplied for informational purposes only and is current only as of the date indicated on the documents. It is supplied with the intent on assisting the reader and no warranty as to its accuracy is given, either implied or expressed. There may be other manufacturer's suction covers, grates or safety vacuum Release Systems (SVRS) which have received certification but are unknown to us. It is advised that everyone conduct their own search of all Nationally Recognized Testing Laboratories (NRTL) to ascertain the latest information.

Some certified anti-entrapment covers look like previous manufactured covers but are certified for different flow rates than previous. Although the covers appear to be the same the existing covers will need to be replaced with certified covers and flow rates will need to be adhered to.

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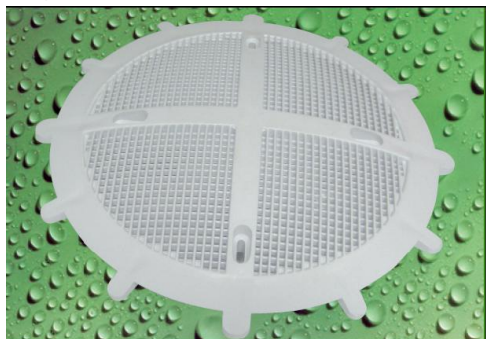
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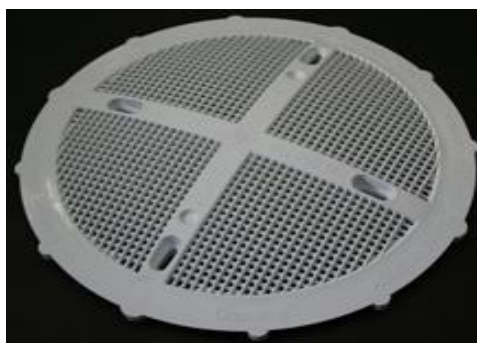
As of: April 20, 2009

Mfg: **New Water Solutions**



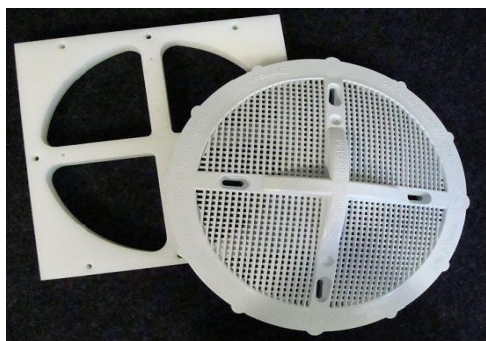
Model #:	Drainsafe DS 360	
Size:	5 1/2" – 8" dia.	
Open area:	27 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	123	123
Velocity rate (FPS):	1.46	1.46
Single/Multiple:	Both	
Material:	Virgin Ridged PVC	
Testing Lab:	IAPMO	
Notes:	Can be mounted directly over pipe without sump	

Mfg: **New Water Solutions**



Model #:	Drainsafe DS 360M	
Size:	5" – 8" dia.	
Open area:	27 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	123	123
Velocity rate (FPS):	1.46	1.46
Single/Multiple:	Both	
Material:	Virgin Ridged PVC	
Testing Lab:	IAPMO	
Notes:	Can be mounted directly over pipe without sump	

Mfg: **New Water Solutions**



Model #:	Drainsafe DS 360X	
Size:	9" X 9" sq.	
Open area:	27 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	160	N/A
Velocity rate (FPS):	1.90	N/A
Single/Multiple:	Both	
Material:	Virgin Ridged PVC	
Testing Lab:	IAPMO	
Notes:		



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Mfg: **Hayward**



Model #:	WG1048E / WG1048E1		
Size:	8" dia.		
Open area:	8.1 sq. in.		
	<u>Floor</u>	<u>Wall</u>	
Flow rate (GPM):	125.6	N/A	
Velocity rate (FPS):	4.95	N/A	
Single/Multiple:	Both		
Material:	Polypropylene		
Testing Lab:	NSF		
Notes:	Fits only Hayward plaster rings		

Mfg: **Hayward**



Model #:	WG1048EW		
Size:	8" dia.		
Open area:	8.1 sq. in.		
	<u>Floor</u>	<u>Wall</u>	
Flow rate (GPM):	72	72	
Velocity rate (FPS):	2.85	2.85	
Single/Multiple:	Both		
Material:	Polypropylene		
Testing Lab:	NSF		
Notes:	Fits only Hayward plaster rings		



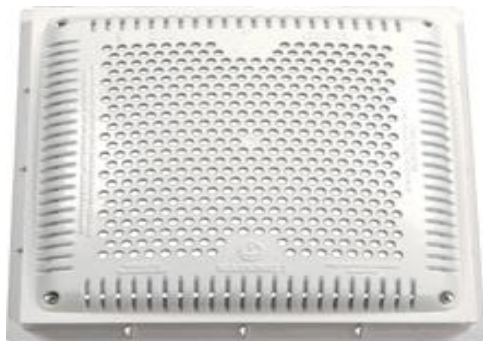
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Mfg: **Hayward**



Model #: WG1031B / WGX1031B
Size: 9" X 9" sq.
Open area: 17.81 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	112	84
Velocity rate (FPS):	4.54	
Single/Multiple:	Both	
Material:	Polypropylene	
Testing Lab:	NSF	

Notes: Fits only Hayward plaster rings

Mfg: **Hayward**

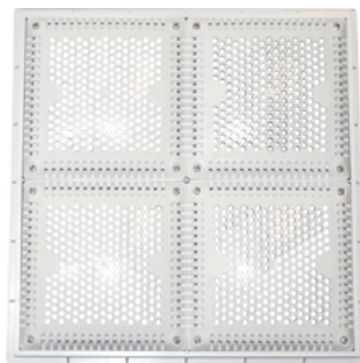


Model #: WG1032B / WGX1032B
Size: 12" X 12" sq.
Open area: 32.37 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	256	112
Velocity rate (FPS):	3.96	
Single/Multiple:	Both	
Material:	Polypropylene	
Testing Lab:	NSF	

Notes: Fits only Hayward plaster rings

Mfg: **Hayward**



Model #: WG1033B
Size: 18" X 18" sq.
Open area: 71.25 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	560	560
Velocity rate (FPS):	2.52	2.52
Single/Multiple:	Both	
Material:	Polypropylene	
Testing Lab:	NSF	

Notes: (4) 9" X 9"
Fits only Hayward plaster rings



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Mfg: **Waterway**



Model #: 640-231xV / 640-232xV / 640-234xV
640-2420 / 640-2520 / 640-2550
640-2620 / 640-266xV / 640-2720
640-275xV / 640-2820 / 6402920

Size: 8" dia.

Open area: 11.83 sq. in.

	<u>Floor</u>	<u>Wall</u>
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Flow rate (GPM):	100	64
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Velocity rate (FPS):	2.72	1.74
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Single/Multiple:	Both
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Material:

Testing Lab: UL

Notes:

Mfg: **Waterway**



Model #: 640-311xV / 640-314xV

Size: 10" dia.

Open area: 14.34 sq. in.

	<u>Floor</u>	<u>Wall</u>
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Flow rate (GPM):	180	100
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Velocity rate (FPS):	4.03	2.24
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Single/Multiple:	Both
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Material:

Testing Lab: UL

Notes:

Mfg: **Waterway**



Model #: 640-358xV

Size: 5" dia.

Open area: 9.02 sq. in.

	<u>Floor</u>	<u>Wall</u>
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Flow rate (GPM):	180	180
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Velocity rate (FPS):	6.42	6.42
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Single/Multiple:	
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Material:

Testing Lab: UL

Notes:



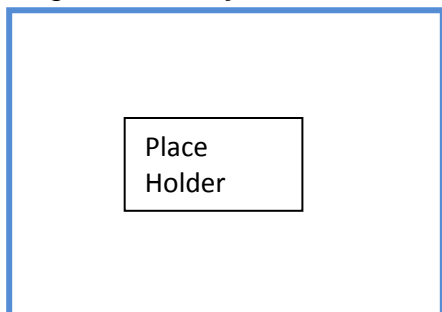
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Mfg: **Waterway**



Model #: 640-110x V

Size:

Open area:

Floor

Wall
186

Flow rate (GPM):

Velocity rate (FPS):

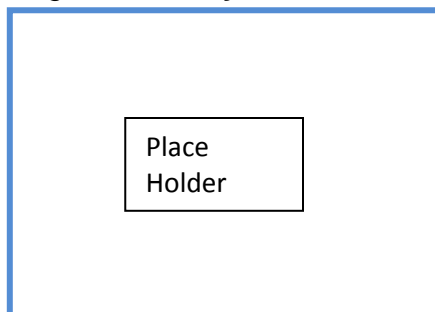
Single/Multiple:

Material:

Testing Lab: UL

Notes:

Mfg: **Waterway**



Model #: 640-111x V

Size:

Open area:

Floor

Wall
200

Flow rate (GPM):

Velocity rate (FPS):

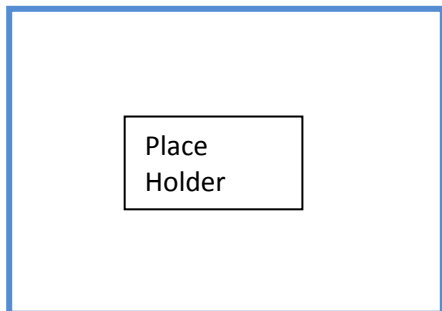
Single/Multiple:

Material:

Testing Lab: UL

Notes:

Mfg: **Waterway**



Model #: SPC-3 V

Size:

Open area:

Floor

Wall
180

Flow rate (GPM):

Velocity rate (FPS):

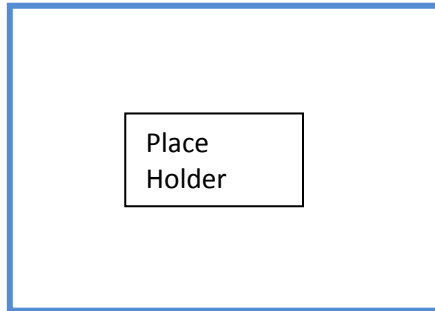
Single/Multiple:

Material:

Testing Lab: UL

Notes:

Mfg: **Waterway**



Model #: SPC-3 640-359x V

Size:

Open area:

Floor

Wall
232

Flow rate (GPM):

Velocity rate (FPS):

Single/Multiple:

Material:

Testing Lab: UL

Notes:



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Mfg: **Waterway**



Model #:	640-470xV	
Size:	9" x 9" sq.	
Open area:	39.9 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	289	198
Velocity rate (FPS):	2.33	1.59
Single/Multiple:	Both	
Material:		
Testing Lab:	UL	
Notes:		

Mfg: **Waterway**



Model #:	640-472xV	
Size:	12" x 12" sq.	
Open area:	62.4 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	356	280
Velocity rate (FPS):	1.83	1.44
Single/Multiple:	Both	
Material:		
Testing Lab:	UL	
Notes:		

Mfg: **Waterway**



Model #:	640-475xV	
Size:	18" x 18" sq.	
Open area:	159.6 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	540	
Velocity rate (FPS):	1.09	
Single/Multiple:	Both	
Material:		
Testing Lab:	UL	
Notes:		



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Mfg: **Aquastar**



Model #: LP8AVXXX / RLP8AVXXX
 LP8SBXXX / LP8SBACXXX
 LP8SBVXXX
 Size: Low Profile 8AV
 8" dia.
 Open area: 7.7 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	100	70
Velocity rate (FPS):	4.17	2.92
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		

Mfg: **Aquastar**



Model #: 8AVXXX / 8SBXXX
 8SBACXXX / 8SBVXXX
 Size: 8" dia.
 Open area: 8.8 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	88	70
Velocity rate (FPS):	3.20	2.55
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		

Mfg: **Aquastar**



Model #: 10AVXXX / 10AVDDACSBXXX
 10AVDDSBXXX / 10AVDDSBVXXX
 Size: 10" dia.
 Open area: 11.2 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	206	96
Velocity rate (FPS):	5.9	2.75
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		

Mfg: **Aquastar**



Model #: LP8MHXXX
 Size: 8" dia.
 Open area: 7.7 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):		70
Velocity rate (FPS):		2.92
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:	Aquastar & Sta-Rite 4 screw skimmer equalizer retrofit kit	



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Mfg: **Aquastar**



Model #:	LPRFS9XXX	
	Low Profile	
Open area:	7.7 sq. in.	
Size:	9" X 9" Retrofit to Low-Profile 8"	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	100	70
Velocity rate (FPS):	4.17	2.92
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		

Mfg: **Aquastar**



Model #:	RFS9XXX	
Open area:	8.8 sq. in.	
Size:	9" X 9" Retrofit kit	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	88	70
Velocity rate (FPS):	3.21	2.55
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		

Mfg: **Aquastar**



Model #:	RFS12XXX	
Size:	12" X 12" Retrofit Kit	
Open area:	11.2 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	206	96
Velocity rate (FPS):	5.90	2.75
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		

Mfg: **Aquastar**



Model #:	8CCXXX	
Open area:	10.6 sq. in.	
Size:	8" dia.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	104	76
Velocity rate (FPS):	3.2	2.3
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		



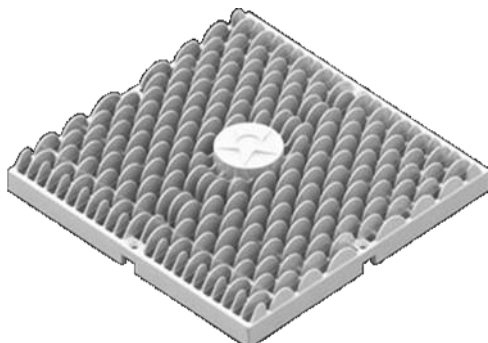
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Mfg: **Aquastar**



Model #: WAV9XXX / RWAV9XXX
 Size: 9" X 9"
 Open area: 44.2 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	224	224
Velocity rate (FPS):	1.63	1.63
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		

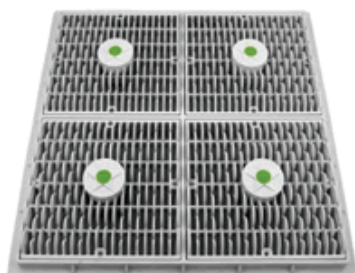
Mfg: **Aquastar**



Model #: WAV12XXX / RWAV12XXX
 WAV12DDSBXXX / WAV12DDSBVXXX
 Size: 12" X 12"
 Open area: 85.2 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	361	361
Velocity rate (FPS):	1.36	1.36
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:		

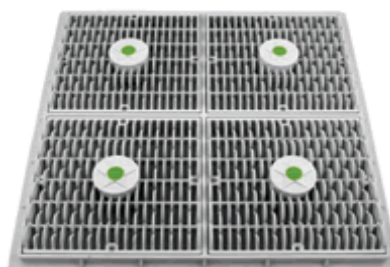
Mfg: **Aquastar**



Model #: WAV18XXX
 Size: 18" X 18"
 Open area: 176.8 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	896	896
Velocity rate (FPS):	1.63	1.63
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:	(4) 9" X 9"	

Mfg: **Aquastar**



Model #: WAV24XXX
 Size: 24" X 24"
 Open area: 340.8 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	1,444	1,444
Velocity rate (FPS):	1.36	1.36
Single/Multiple:	Both	
Material:	ABS Plastic	
Testing Lab:	IAPMO	
Notes:	(4) 12" X 12"	

Stainless Steel frame requires bonding



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Mfg: **Aquastar**



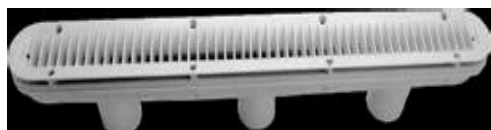
Model #: 32CDFL-XXX / 32CDFLV-XXX
32CDFLFR-XXX
Size: 3" X 32" Channel Drain
Open area: 25.9 sq. in.
Flow rate (GPM): Floor 316 Wall 208
Velocity rate (FPS): 3.91 2.57
Single/Multiple:
Material: Polymers
Testing Lab: IAPMO
Notes: 32CDFLFR is cover & plaster ring

Mfg: **Aquastar**



Model #: 32CDAV-XXX / 32CDAVV-XXX
32CDAVFR-XXX / 32CDAVAC-XXX
Size: 3" X 32" Channel Drain
Open area: 22.6 sq. in.
Flow rate (GPM): Floor 236 Wall 136
Velocity rate (FPS): 3.35 1.93
Single/Multiple:
Material: Polymers
Testing Lab: IAPMO
Notes: 32CDAVFR is cover & plaster ring

Mfg: **Aquastar**



Model #: 32CDFLAC-XXX /
32CDFLACFR-XXX
Size: 3" X 32" Channel Drain
Open area: 50.1 sq. in.
Flow rate (GPM): Floor 316 Wall 208
Velocity rate (FPS): 2.02 1.33
Single/Multiple:
Material: Polymers
Testing Lab: IAPMO
Notes:



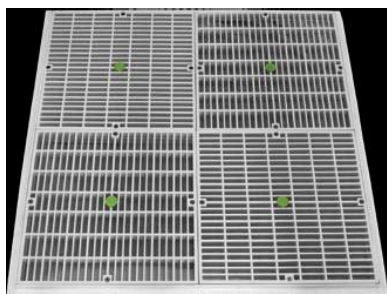
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Mfg: **Aquastar**



Model #:	24101	
Size:	24" X 24" Flat	
Open area:	340.8 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	1,531	1,531
Velocity rate (FPS):	1.4	1.4
Single/Multiple:	Both	
Material:	Polymers	
Testing Lab:	IAPMO	
Notes:	SS frame requires bonding	

Mfg: **Aquastar**



Model #:	R1216	
Size:	16" X 16"	
Open area:	101 sq. in.	
	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	474	474
Velocity rate (FPS):	1.5	1.5
Single/Multiple:	Both	
Material:	Polymers	
Testing Lab:	IAPMO	
Notes:	Retrofits to 12" x 12" sump	



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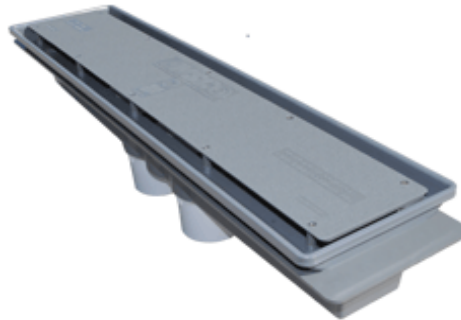
Mfg: **Shasta Manufacturing**
DBA A&A Manufacturing



Model #: AVSC 552921
AVSC 552930
AVSC 554581
AVSC 554599
AVSC 556316
AVSC 556332
AVSC 556421
AVSC 556439
AVSC 556448
AVSC 556451
AVSC 556463
AVSC 556471
AVSC 558320
AVSC 558338
AVSC 558346
AVSC 558354
AVSC 558451
AVSC 558469

Open area: 49.5
Size:
Flow rate (GPM): Floor 196 Wall 167.2
Velocity rate (FPS): 1.27 1.08
Single/Multiple:
Material:
Testing Lab: NSF
Notes: Has 1" opening
Not approved in several
states (CA)

Mfg: **Shasta Manufacturing**
DBA A&A Manufacturing



Model #: AVSC 556324
AVSC 556341
AVSC 556367
AVSC 556375
AVSC 556383
AVSC 556391
AVSC 556404
AVSC 556412
AVSC 556442
AVSC 556445
AVSC 556447
AVSC 556455
AVSC 558362
AVSC 558371
AVSC 558389
AVSC 558397
AVSC 558434
AVSC 558442

Open area:
Size: Floor 227.2 Wall 184
Flow rate (GPM):
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab: NSF
Notes: Has 1" opening
Not approved in several
states (CA)



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As of: April 20, 2009

Mfg: **Paramount**

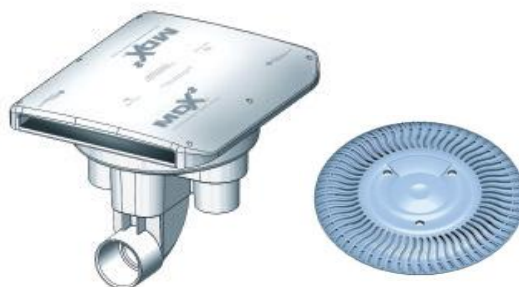


Model #: SDX / SDX Retro
 Size: 8" & 10" dia.
 Open area: 43.2 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	200	192
Velocity rate (FPS):	1.49	1.43
Single/Multiple:	Both	
Material:		
Testing Lab:	IAPMO	

 Notes: Can be mounted directly over pipe without sump

Mfg: **Paramount**



Model #: MDX²
 Size:
 Open area: sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	90	
Velocity rate (FPS):		
Single/Multiple:		
Material:		
Testing Lab:	IAPMO	

 Notes: Requires SDX be installed in same line
 Not approved in all states

Mfg: **World Wide Sports**



Model #: Star 100
 Size: 5" – 10" dia. and 9" sq.
 Open area: 21.3 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	80	80
Velocity rate (FPS):	1.21	1.21
Single/Multiple:	Both	
Material:	Polymer	
Testing Lab:	IAPMO	

 Notes:

Mfg: **Triodyne Safety Systems**



Model #: Anti-Hair Snare Plus
 TSS-2800CS
 Size: 8" dia.
 Open area: 9.0 sq. in.

	<u>Floor</u>	<u>Wall</u>
Flow rate (GPM):	68.8	
Velocity rate (FPS):	2.45	
Single/Multiple:	Both	
Material:	CPVC	
Testing Lab:	NSF	

 Notes:



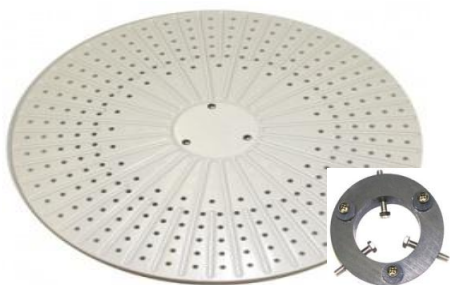
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Approved Drain Covers & Safety Vacuum Release Systems

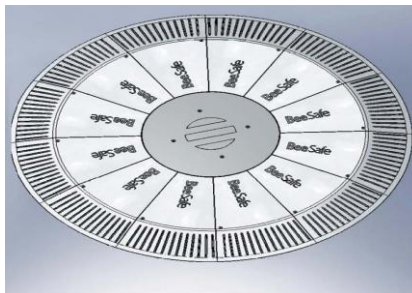
As of: April 20, 2009

Mfg: **San Antonio Gary Equipment Co**



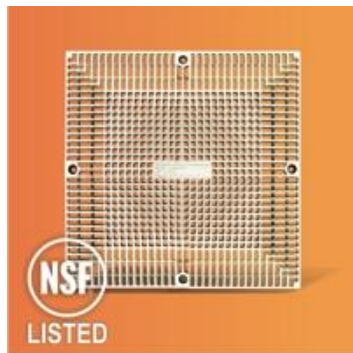
Model #: GEC 8/24 Retro
 Size: 24" dia. for 6" & 8" dia. drain
 Open area: 31.08 sq. in.
 Floor Wall
 Flow rate (GPM): 117.8 N/A
 Velocity rate (FPS): 1.22 N/A
 Single/Multiple:
 Material: ABS Plastic
 Testing Lab: IAPMO
 Notes:

Mfg: **Bee Safe Systems, LLP**



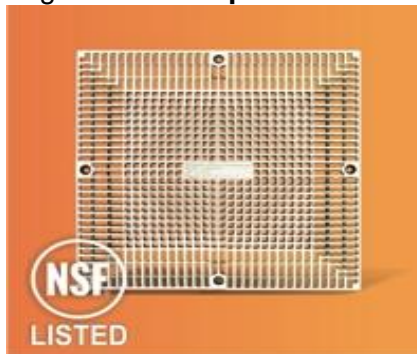
Model #: Bee Safe
 Size: 46" dia. X 2" high retrofit for 8" dia., 10" dia, 9" square, 12" square & some 18"sq.
 Open area: 146.25 sq. in.
 Floor Wall
 Flow rate (GPM): 792 none
 Velocity rate (FPS): 1.74
 Single/Multiple:
 Material: PVC 7140
 Testing Lab: NSF
 Notes: Weighs 90 lb.

Mfg: **Lawson Aquatics**



Model #: MLD-FGD-1212 /
 MLD-SG-1212
 Size: 12" X 12"
 Open area: sq. in.
 Floor Wall
 Flow rate (GPM): 400 340
 Velocity rate (FPS):
 Single/Multiple:
 Material:
 Testing Lab: NSF
 Notes:

Mfg: **Lawson Aquatics**



Model #: MLD-FGD-1818 /
 MLD-SG-1818
 Size: 18" X 18"
 Open area: sq. in.
 Floor Wall
 Flow rate (GPM): 816 712
 Velocity rate (FPS):
 Single/Multiple:
 Material:
 Testing Lab: NSF
 Notes:



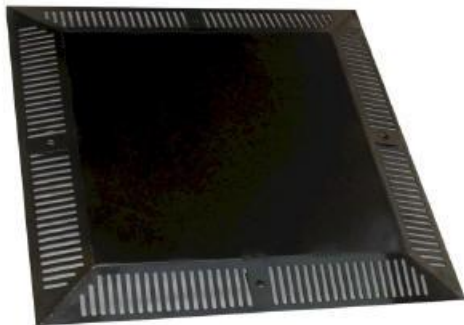
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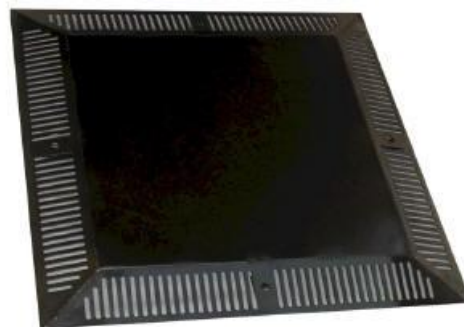
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Mfg: **Eureka Manufacturing Co**



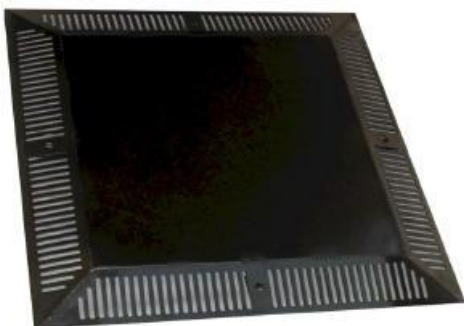
Model #: AV20X20
Size: 20" X 20" sq.
Open area: 47.7 sq. in.
Floor Wall
Flow rate (GPM): 223
Velocity rate (FPS): 1.50
Single/Multiple: Both
Material: 304 Stainless Steel
Testing Lab: IAPMO
Notes: Requires bonding

Mfg: **Eureka Manufacturing Co**



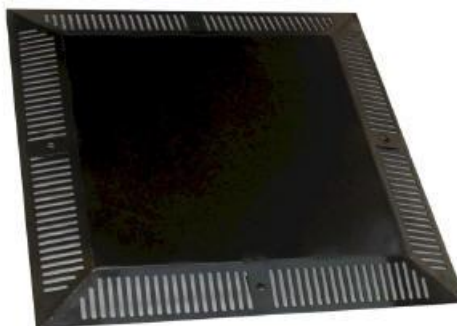
Model #: AV26X26
Size: 26" X 26" sq.
Open area: 105.9 sq. in.
Floor Wall
Flow rate (GPM): 495
Velocity rate (FPS): 1.50
Single/Multiple: Both
Material: 304 Stainless Steel
Testing Lab: IAPMO
Notes: Requires bonding

Mfg: **Eureka Manufacturing Co**



Model #: AV32X32
Size: 32" X 32" sq.
Open area: 144.4 sq. in.
Floor Wall
Flow rate (GPM): 675
Velocity rate (FPS): 1.50
Single/Multiple: Both
Material: 304 Stainless Steel
Testing Lab: IAPMO
Notes: Requires bonding

Mfg: **Eureka Manufacturing Co**



Model #: AV44X44
Size: 44" X 44" sq.
Open area: 208.6 sq. in.
Floor Wall
Flow rate (GPM): 975
Velocity rate (FPS): 1.50
Single/Multiple: Both
Material: 304 Stainless Steel
Testing Lab: IAPMO
Notes: Requires bonding



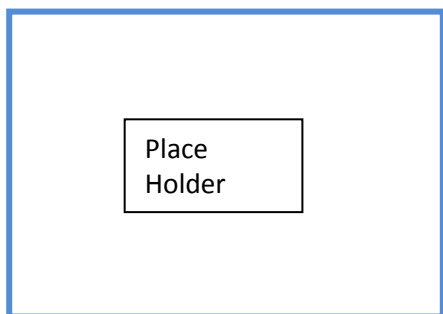
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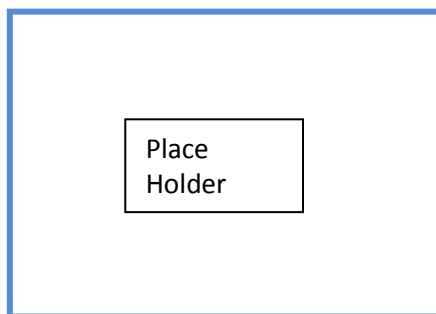
As of: April 20, 2009

Mfg: **Custom Molded Products**



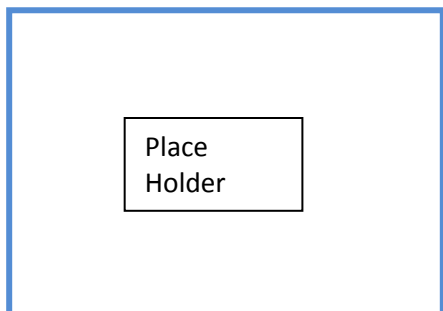
Model #: 25200-2
Size:
Open area: Floor Wall
Flow rate (GPM): 172
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab: UL
Notes:

Mfg: **Custom Molded Products**



Model #: 25201-2XX
Size:
Open area: Floor Wall
Flow rate (GPM): 171
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab: UL
Notes:

Mfg: **Custom Molded Products**



Model #: 25508-12X
Size:
Open area: Floor Wall
Flow rate (GPM): 220
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab: UL
Notes:



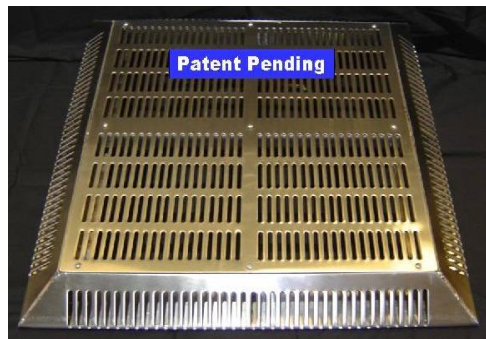
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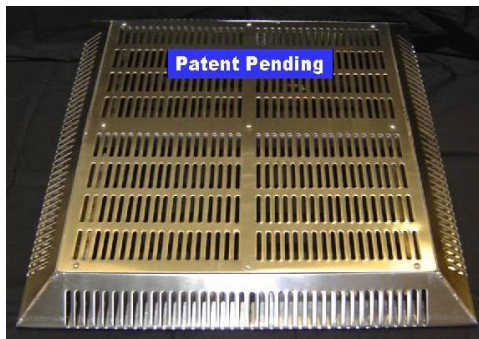
As of: April 20, 2009

Mfg: Paddock Pool Equipment



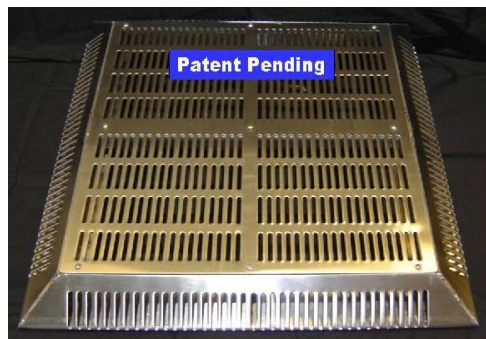
Model #:	2020PCDC
Size:	20" X 20" sq.
Open area:	122.15 sq. in.
	<u>Floor</u> <u>Wall</u>
Flow rate (GPM):	1200
Velocity rate (FPS):	3.15
Single/Multiple:	Multiple Only
Material:	Stainless Steel
Testing Lab:	NSF
Notes:	Requires bonding

Mfg: Paddock Pool Equipment



Model #:	2020PCGO
Size:	20" X 20" sq.
Open area:	122.15 sq. in.
	<u>Floor</u> <u>Wall</u>
Flow rate (GPM):	1960
Velocity rate (FPS):	5.15
Single/Multiple:	Multiple Only
Material:	Stainless Steel
Testing Lab:	NSF
Notes:	Requires bonding

Mfg: Paddock Pool Equipment



Model #:	2424PCDC
Size:	24" X 24" sq.
Open area:	186.6 sq. in.
	<u>Floor</u> <u>Wall</u>
Flow rate (GPM):	1,420
Velocity rate (FPS):	2.44
Single/Multiple:	Multiple Only
Material:	Stainless Steel
Testing Lab:	NSF
Notes:	Requires bonding

Mfg: Paddock Pool Equipment



Model #:	2424PCFC
Size:	24" X 24" sq.
Open area:	212.9 sq. in.
	<u>Floor</u> <u>Wall</u>
Flow rate (GPM):	915
Velocity rate (FPS):	1.38
Single/Multiple:	Multiple Only
Material:	Stainless Steel
Testing Lab:	NSF
Notes:	Requires bonding



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Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

Mfg: **Pentair**



Model #: 50010X

Size: 8" dia.

Open area:

Flow rate (GPM): Floor Wall
88 79.2

Velocity rate (FPS):

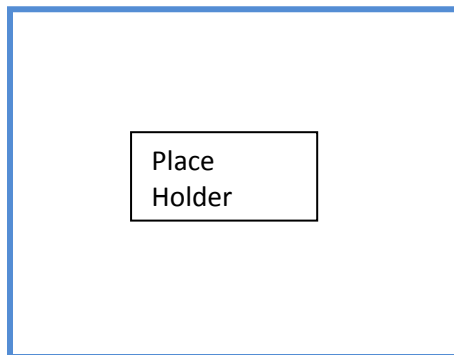
Single/Multiple:

Material:

Testing Lab:

Notes:

Mfg: **Pentair**



Model #: 50011X

Size:

Open area:

Flow rate (GPM): Floor Wall
106.4 / 88.0 81.6 / 79.2

Velocity rate (FPS):

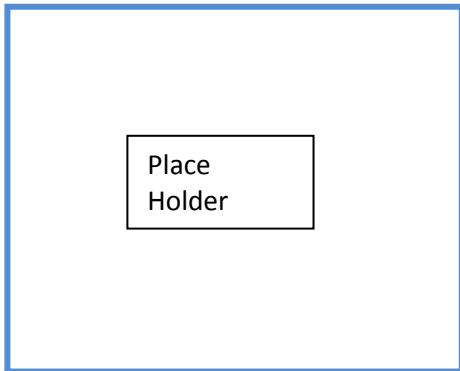
Single/Multiple:

Material:

Testing Lab:

Notes:

Mfg: **Pentair**



Model #: 50012X

Size:

Open area:

Flow rate (GPM): Floor Wall
79.2 75.2

Velocity rate (FPS):

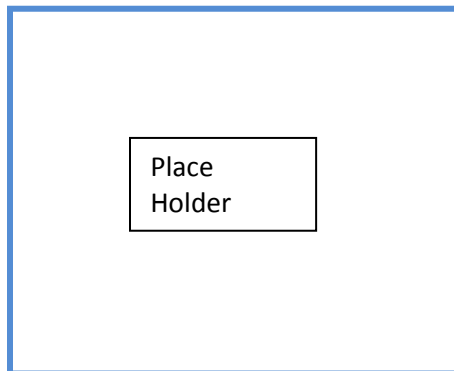
Single/Multiple:

Material:

Testing Lab:

Notes:

Mfg: **Pentair**



Model #: 50013X

Size:

Open area:

Flow rate (GPM): Floor Wall
107.2 92.8

Velocity rate (FPS):

Single/Multiple:

Material:

Testing Lab:

Notes:



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Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

Mfg: **Afras Industries**



Model #: 11064
Size: 7.75" dia.
Open area:

Floor

Wall

Flow rate (GPM):
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab:
Notes:

Mfg: **Afras Industries**



Model #: 10064A
Size: 11.125" dia.
Open area:

Floor

Wall

Flow rate (GPM):
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab:
Notes:

Mfg: **Afras Industries**



Model #: 10064ACW
Size: 12" X 12" sq.
Open area:

Floor

Wall

Flow rate (GPM): 188 160
Velocity rate (FPS): 3.76 3.21
Single/Multiple:
Material:
Testing Lab:
Notes:



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Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

Mfg: **G/G Industries**
Division of Balboa Water Group



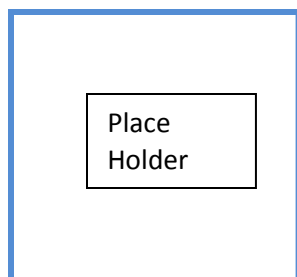
Model #: 30173U
Size:
Open area:
Flow rate (GPM):
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab: IAPMO
Notes: Must be installed as a complete assembly
Spa suction fitting

Mfg: **G/G Industries**
Division of Balboa Water Group



Model #: 30231U
Size:
Open area:
Flow rate (GPM):
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab: IAPMO
Notes: Must be installed as a complete assembly
Spa suction fitting

Mfg: **G/G Industries**
Division of Balboa Water Group



Model #: 30199U
Size:
Open area:
Flow rate (GPM):
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab: IAPMO
Notes: Must be installed as a complete assembly
Spa suction fitting



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Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

Mfg: **Color Match Pool Fittings**



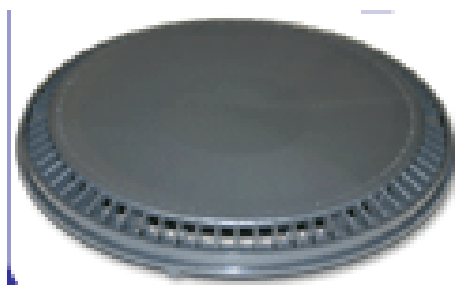
Model #: 8-AV-XXX
 Size:
 Open area:
 Flow rate (GPM): Floor Wall
 100 76
 Velocity rate (FPS):
 Single/Multiple:
 Material:
 Testing Lab: IAPMO
 Notes:

Mfg: **Color Match Pool Fittings**



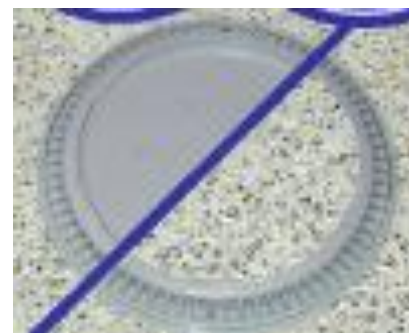
Model #: 8-PTD-XXX
 Size:
 Open area:
 Flow rate (GPM): Floor Wall
 76 68
 Velocity rate (FPS):
 Single/Multiple:
 Material:
 Testing Lab: IAPMO
 Notes:

Mfg: **Color Match Pool Fittings**



Model #: 10-AV-XXX
 Size:
 Open area:
 Flow rate (GPM): Floor Wall
 108 96
 Velocity rate (FPS):
 Single/Multiple:
 Material:
 Testing Lab: IAPMO
 Notes:

Mfg: **Color Match Pool Fittings**



Model #: 10-PTD-XXX
 Size:
 Open area:
 Flow rate (GPM): Floor Wall
 104 96
 Velocity rate (FPS):
 Single/Multiple:
 Material:
 Testing Lab: IAPMO
 Notes:



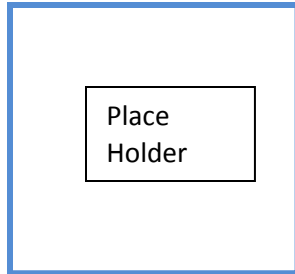
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Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

Mfg: **Current Systems**



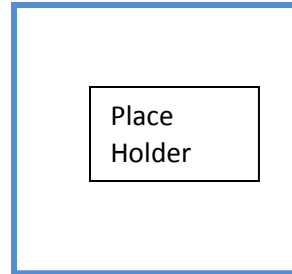
Model #:
Size:
Open area:

Floor

Wall

Flow rate (GPM):
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab:
Notes:

Mfg: **Current Systems**



Model #:
Size:
Open area:

Floor

Wall

Flow rate (GPM):
Velocity rate (FPS):
Single/Multiple:
Material:
Testing Lab:
Notes:

Mfg: **Current Systems**



Model #: 3030AEC
Size: 30" x 30"
Open area: 128.21 sq. in.

Floor

Wall

Flow rate (GPM): 1432 1120
Velocity rate (FPS): 3.58 2.8
Single/Multiple: Multiple
Material: Fiberglass
Testing Lab: NSF
Notes: 600 GPM @ 1.5 FPS



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Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

Mfg: **Stingl Products**



Model #: SR-500
Type: Vacuum / Electronic

Testing Lab:
Notes: Single body of water
Up to 3 HP single phase
direct connect
Greater than 3 HP & 3
phase requires exxternal
relay/starter
Submerged or suction lift applications

Mfg: **Stingl Products**



Model #: SR-500PS
Type: Vacuum / Electronic

Testing Lab:
Notes: Dual body of water
Up to 3 HP single phase
direct connect
Greater than 3 HP & 3
phase requires exxternal
relay/starter
Submerged or suction lift applications

Mfg: **Vac-Alert**



Model #: VA-2000L
Type: Vacuum / Mechanical

Testing Lab:
Notes: Single body of water
Protects bottom suction line
Suction lift applications

Mfg: **Vac-Alert**



Model #: VA-2000S
Type: Vacuum / Mechanical

Testing Lab:
Notes: Single body of water
Protects bottom suction line
Submerged pump applications



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Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

Mfg: A.O. Smith



Model #: eMod motors
Type: Electronic/Electical

Testing Lab:
Notes: Single body of water
Suction lift applications only

Mfg: A.O. Smith



Model #: Guardian Motors w/
Type: eMod motors
Electronic/Electical

Testing Lab:
Notes: Single body of water
Suction lift applications only

Mfg: Pentair



Model #:
Type: Electronic/Electical

Testing Lab:
Notes: Single body of water
Suction lift applications only



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Approved Drain Covers & Safety Vacuum Release Systems

As of: April 20, 2009

Mfg: Hayward



Model #: Stratum
 Type: Electronic/Electical

Testing Lab:
 Notes: Single body of water
 Able to control two pumps

Mfg: Emotron



Model #: PSP20
 Type: Electronic/Electical

Testing Lab:
 Notes: Single body of water
 Any size motor
 Single or three pahase

Mfg: Vacless Systems



Model #: SVRS-10 / SVRS-11
 SVRS-10ADJ / SVRS-11ADJ
 SVRS-20 / SVRS-21
 SVRS-20ADJ / SVRS-21ADJ
 Type: Mechanical

Testing Lab:
 Notes: Single body of water

Mfg: Vacless Systems



Model #: SVRS-30 / SVRS-31
 SVRS-30ADJ / SVRS-31ADJ
 Type: Mechanical/Electical

Testing Lab:
 Notes: Single body of water