



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
CAMPGROUNDS & POOLS PROGRAM  
RESOURCE MANAGEMENT DIVISION**



**CERTIFIED MAIN DRAIN COVER LIST**

This document lists suction covers for main drains and other suction outlets that are certified to ANSI/APSP-16 2011, the successor standard to ASME A112.19.8-2007, ASME A112.19.8a-2008, or ASME A112.19.8b-2009 as required by the Virginia Graeme Baker Pool & Spa Safety Act of 2007 (VGB Act). This list is NOT exhaustive but it includes many of the more common covers believed to be available after the May 2011 recall. The Michigan Department of Environmental Quality (DEQ) will update this list as it becomes aware of additional certified covers.

Manufacturer	Model Number	Description	Open Area (sq in)	Michigan Flow Rate for One Cover (gpm)	Michigan Maximum Flow Rate for Two Covers (gpm)
Aquastar Pool Products, Inc. VGB Series	8AVxxx	8" round cover w/vented riser ring	8.8	27	55
	10AVxxx	10" round cover w/vented riser ring	11.2	35	70
	WAV9xxx	9" x 9" square w/vented riser ring	44.2	138	276
	WAV12xxx	12" x 12" square w/vented riser ring	85.2	266	531
	R914xxx	Retrofit over 9" x 9" square	84.0	262	524
	R1216xxx	Retrofit over 12" x 12" square	101.0	315	630
	SUN9xxx SUN12xxx (xxx = color)	9" x 9" square 12" x 12" square	19.7 35.3	61 110	123 220
A&A Manufacturing	AVSC 552921	8" x 31.5" channel drain 1 port* * Estimated dimensions	62.8	196	392
BeeSafe Systems, LLP	BeeSafe System	46" diameter cover for 8" round, 10" round, 9" square, 12" square, and some 18" square drains	155.9	486	972
Commercial Pool & Spa Supplies	CPP102008	21" x 23" * retrofit cover w/ surrounding 3.5" wide frame *Estimated dimensions	176.9* *Estimated	551	1103
Custom Molded Products, Inc.	25513-xxx	8" round cover	13.4	42	84
	25508-09x	9" x 9" square	38.9	121	242
	25508-12x	12" x 12" square	70.8	221	441
	25215-000	6" round	12.88	40	80
	25207-000	4" round equalizer cover	6.82	21	43
Eureka Manufacturing Company	AV20x20	20" square stainless steel cover for up to 12" square drains	47.7	149	297
	AV26x26	26" square stainless steel cover for up to 18" square drains	105.9	330	660
	AV32x32	32" square stainless steel cover for up to 24" square drains	144.4	450	900
	AV44x44	44" square stainless steel cover for up to 36" square drains	208.6	650	1300
Hayward	WGx1048E	8" round cover	8.1	25	51
	WGx1031BHF2	9" x 9" square	23.96	75	149
	WGx1031BLV2	9" x 9" square	45.80	143	285
	WGx1032BHF2	12" x 12" square	41.07	128	256
	WGx1032BLV2	12" x 12" square	83.40	260	520
	WGx1033BHF2	18" x 18" square	124.10	387	774
	WGx1033BLV2	18" x 18" square	183.20	571	1142
Lawson Aquatic	MLD-FGD-0909	9" square	42.12	131	263
	MLD-FGD-1212	12" square	81.3	253	507
	MD-FG-2424	21" x any length in 1" increments	216	673	

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		Rated at 0.375% of grate area			
New Water Solutions Drainsafe	DS 360	11" diameter for retrofit up to 8" round	27.1	84	169
	DS 360 M	11" diameter for retrofit up to 8" round	27.1	84	169
	DS 360 X	9" square retrofit using 11" diameter cover	27.1	84	169
Paddock Pool Equipment Company	2020PCDC	20" square	122.4 (calc)	382	763
	2424PCDC	24" square	186.6	582	1163
Paramount Pool and Spa Products	SDX and SDX Retro	10" diameter for 8" and 10" round drains	43.201	N/A	200* * Approval limitation
Pentair	500100	8" round	15.35	48	96
Triodyne Safety Systems	Anti-Hair Snare Plus TSS-2800CS	8" round cover	9.678	45.2* *Approval at 1.5 ft/sec	90.5* *Approval at 1.5 ft/sec
Waterway Plastics					
World Wide Sports	Star 100	13" diameter for 5" to 10" round and 9" square sumps	24	75	150
	Star 2000	20" diameter for up to 12" square sumps	31.14	97	194

Please select drain covers based on the flow rates listed in the two right hand columns. Michigan Public Swimming Pool Rule 42 on Main and Other Outlets lists the specific requirements for suction fittings for public swimming pools in Michigan. Two suction outlets, three feet apart are required. Certified covers on this list may not be accepted for installation on a particular pool because the flow rate does not comply in Michigan.

It is required that the make and model number of any replacement main drain cover be supplied to DEQ for approval prior to installation. Please go to our main drain replacement form:

[http://www.michigan.gov/documents/deq/deq-wb-dwehs-sp-drainreplacform\\_251617\\_7.pdf](http://www.michigan.gov/documents/deq/deq-wb-dwehs-sp-drainreplacform_251617_7.pdf)

It is important to note that in order to provide and install certified covers, it may be necessary to change the attachment frame and/or the drain sump as well. Only a professional evaluation can determine if a new cover can be safely attached to an existing attachment frame. The professional evaluation may determine that certified drain covers cannot be attached without a significant modification to the pool drains. A construction permit will be required for any significant modification to a pool.

The federal VGB Act required certified suction covers for all public pools by December 19, 2008. In May 2011, several manufacturers voluntarily recalled drain covers due to possible incorrect ratings. The replacement of a recalled drain cover is NOT required if the pool has more than one cover.

Originally, covers were certified to ASME 112.19.8-2007, ASME A112.19.8a-2008, or ASME A112.19.8b-2009, with "VGB 2008" embossed on the cover. In September 2011, ANSI/APSP-16 2011 became the successor standard for certifying suction fittings. Regardless of the certifying standard, a Certificate of Conformity should be provided to the pool owner or operator when the covers are installed. If a cover is not embossed with VGB 2008, the cover is not certified to the standard and does not meet the requirements of the federal VGB Act.

NOTE: The information in this document is intended to supplement the public swimming pool portions of the Public Health Code, 1978 PA 368, as amended, and the Public Swimming Pool Rules. These comments do not replace or supersede any portion of the Act and Rules. To download a copy of the Public Swimming Pool Act and Rules and for information about the drain cover recall, please go to [www.michigan.gov/deqwb](http://www.michigan.gov/deqwb) and click on Campgrounds & Pools.