



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
CAMPGROUNDS & POOLS UNIT
WATER BUREAU**



CERTIFIED MAIN DRAIN COVER LIST

This document lists suction covers for main drains and other suction outlets that are certified to ASME/ANSI A112.19.8-2007 as required by the Virginia Graeme Baker Pool & Spa Safety Act of 2007 (VGB Act). This list is NOT exhaustive and covers will be added as the Michigan Department of Environmental Quality (DEQ) 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	8.8	27.4	54.8
	RLP8AVVGBxxx	8" round low profile retrofit	7.7	24.0	48.0
	RFS9xxx	9" square retrofit to 8" round	8.8	27.4	54.8
	LPRFS9xxx	9" square retrofit to 8" round low profile	7.7	24.0	48.0
	LPRFS18xxx	18" square using four LPRFS9xxx	30.8	96.0	192.0
	10AVxxx	10" round cover	11.2	34.9	69.8
	LP10AVVGBxxx	10" round low profile	11.1	34.6	69.2
	RFS12xxx	12" square retrofit to 10" round	11.2	34.6	69.2
	RFS24xxx	24" square using four RFS12xxx	44.8	139.6	279.3
	WAV9xxx	9" x 9" square	44*	137*	274*
WAV12xxx (xxx = color)	12" x 12" square	84* * Pending	262* * Pending	524* * Pending	
A&A Manufacturing	AVSC 552921	8" x 31.5" channel drain 1 port*	57.7*	179.8	359.6
	AVSC 554599	8" x 31.5" channel drain 1 port w/ hydrostat*	57.7*	179.8	359.6
	AVSC 556383	8" x 31.5" channel drain 2 port*	57.7*	179.8	359.6
	AVSC 556391	8" x 31.5" channel drain 2 port w / hydrostat* * Estimated dimensions	57.7* * Estimated	179.8	359.6
BeeSafe Systems, LLP	BeeSafe System	46" diameter cover for 8" round, 10" round, 9" square, 12" square, and some 18" square drains	146.25	455.8	911.6
Gary Equipment Company	8/24 Retro	24" diameter cover for 8" round drains	31.08	96.9	193.7
Hayward	WG 1048E,	8" round cover	8.1	25.2	50.5
	WG 1048EW	8" round wall cover	8.1	25.2	50.5
	WG 1031B	9" x 9" square	17.81*	55.5*	111.0*
	WG 1032B	12" x 12" square	32.37*	100.9*	201.8*
	WG 1033	18" x 18" square	71.25* * Pending	222.1* * Pending	444.2* * Pending
New Water Solutions Drainsafe	DS 360	11" diameter for retrofit up to 8" round	27	84	168
	DS 360 M	11" diameter for retrofit up to 8" round	27	84	168
	DS 360 X	9" square retrofit using 11" diameter cover	27	84	168
Paramount Pool and Spa Products	SDX	10" diameter for 8" and 10" round drains	43.201	143.6	200*
	SDX Retro	10" diameter for 8" and 10" round drains	43.201	143.6	200* * Approval limitation

Certified Main Drain Cover List

Pentair	Pending Pending Pending	9" x 9" square 12" x 12" square 18" x 18" square	Pending	Pending	Pending
Waterway Plastics	640-2310 640-3110 640-1000	8" round cover 10" round cover Clover drain	11.8 14.34 No information	36.8 44.7	73.6 89.4
World Wide Sports	Star 100	13" diameter for 5" to 10" round and 9" square sumps	24	74.8	149.6

Several manufacturers are currently in the process of having covers tested for certification to the ASME standard. These covers are expected to be available in October and November of 2008.

The federal VGB Act requires certified suction covers for all indoor pools by December 19, 2008. All outdoor pools must have certified covers prior to opening in 2009.

Please note that Michigan Public Swimming Pool Rule 42 on Main and Other Outlets lists the specific requirements for suction fittings for public swimming pools in Michigan. Certified covers on this list may not be accepted for installation on a particular pool. 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



All certified covers are required to be marked with “ASME A112.19.8 – 2007” or be marked with a logo similar to that shown on the left. The marking must be embossed on the cover in a location where it is visible when the cover is installed. Further, the CPSC has ruled that covers must also be marked with “VGB 2008”. If a cover is not embossed with ASME A112.19.8-2007, it is not certified to the 2007 version of 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, please go to www.michigan.gov/deqwb and click on Campgrounds & Pools.