



Michigan Department of Environment, Great Lakes, and Energy  
Drinking Water and Environmental Health Division

**WATER WELL EQUIPMENT APPROVED LIST\***

**Pitless Well Adapters and Units<sup>1</sup>**

**DICKEN MANUFACTURING COMPANY (MAASS, MANUFACTURING)**

KLEAR-KASE CLAMP-ON ADAPTER - SUBMERSIBLE - 4"-6" CASING (Out of Production)

**DUPLEX (WHITEWATER MANUFACTURING COMPANY)**

TYPE 1060 SUB THREAD-ON UNIT - SUBMERSIBLE - 4"-6" CASING  
TYPE 2015 SUB THREAD-ON UNIT - SUBMERSIBLE - 4"-6" CASING (Out of Production)  
TYPE 1060 SW THREAD-ON UNIT - SHALLOW WELL JET - 2" CASING  
TYPE 1060 J4C THREAD-ON UNIT - DEEP WELL JET - 4" CASING (Out of Production)  
TYPE 1060 PJ-C THREAD-ON UNIT - DEEP WELL SINGLE PIPE PACKER - 2"- 3" CASING (3" Out of Production)  
TYPE 2000 PJ2-C THREAD-ON UNIT - BACKTAPPED-DEEP WELL SINGLE PIPE PACKER - 2" CASING (Out of Production)  
TYPE 2000 SW THREAD-ON UNIT - BACKTAPPED - SHALLOW WELL JET - 2" CASING (Out of Production)

**MAASS, MANUFACTURING**

MODEL B WELD-ON ADAPTER - SUBMERSIBLE - 4"-8" CASING  
MODEL BX THREAD-ON UNIT - SUBMERSIBLE - 4"-8" CASING  
MODEL CD THREAD-ON UNIT - BACKTAPPED - DEEP WELL SINGLE PIPE PACKER JET - 2" CASING (Out of Production)  
MODEL CS THREAD-ON UNIT - BACKTAPPED - SHALLOW WELL JET - 2" CASING (Out of Production)  
MODEL J WELD-ON ADAPTER - SUBMERSIBLE - 4"-18" CASING<sup>2</sup>  
MODEL JC CLAMP-ON ADAPTER - SUBMERSIBLE - 4"-7" CASING<sup>2</sup>  
MODEL MB WELD OR THREAD-ON UNIT - SUBMERSIBLE - 8"-26" CASING<sup>2</sup>

**MARTINSON MANUFACTURING COMPANY, INC. (MONITOR, BAKER MANUFACTURING COMPANY/CAMPBELL MANUFACTURING CO.)**

C-SERIES CLAMP-ON ADAPTER - SUBMERSIBLE - 4"-6" CASING (Out of Production)

**MERRILL MANUFACTURING**

SP THREAD-ON UNIT - SUBMERSIBLE - 4"-8" CASING<sup>2</sup>  
SDP W/CONCENTRIC COUPLING THREAD-ON UNIT - SHALLOW WELL JET - 4"-8" CASING (Out of Production)  
SPK CLAMP-ON ADAPTER - SUBMERSIBLE - 4"-10" CASING<sup>2</sup>  
MCK CLAMP-ON ADAPTER - N.L.B., S.S. - SUBMERSIBLE - 4"-6" CASING<sup>2</sup>

**MONITOR, BAKER MANUFACTURING COMPANY**

FIBERLOC POLYMER CAMPSITES PITLESS KIT - 4"-5" CASING (Out of Production)  
PS THREAD-ON UNIT - SUBMERSIBLE - 4"-10" CASING<sup>2</sup>  
PS WELD-ON UNIT - SUBMERSIBLE 12"-26" CASING<sup>2</sup>  
PJ CONCENTRIC THREAD-ON UNIT - SHALLOW WELL JET - 2"-3" casing<sup>2</sup>  
PJ THREAD-ON UNIT - DEEP WELL SINGLE PIPE PACKER JET - 2"-3" CASING  
PJ THREAD-ON UNIT - TWO-PIPE DEEP WELL JET - 4"-6" CASING (Out of Production)  
PR THREAD-ON UNIT - RECIPROCATING (ROD) PUMP - 3"-6" CASING (Out of Production)  
PL SNAPPY CLAMP-ON ADAPTER - SUBMERSIBLE - 4"-6" CASING<sup>2</sup>  
PL SNAPPY WELD-ON ADAPTER - SUBMERSIBLE - 4"-6" CASING (Out of Production)  
6123BEZ WELD-ON ADAPTER – SUBMERSIBLE – 5", 6" I.D. AND 7" O.D. CASING<sup>2</sup>  
8123BEZ WELD-ON ADAPTER – SUBMERSIBLE – 8", 10" AND 12" I.D. CASING<sup>2</sup>

**PAULUS PLASTIC COMPANY**

PAULUS PLASTIC PITLESS ADAPTER - 4"-5" CASING<sup>2</sup>

**WELLS, INC.**

SAFETY-SEAL SERIES A (LF) LEAD FREE BRASS CLAMP-ON ADAPTER - SUBMERSIBLE - 4"-6" CASING<sup>2</sup>  
SAFETY-SEAL SERIES AB (LF) LEAD FREE BRASS CLAMP-ON ADAPTER – SUBMERSIBLE – 4"-6" CASING<sup>2</sup>  
SAFETY-SEAL SERIES ABP CLAMP-ON ADAPTER – SUBMERSIBLE - 4"-6" CASING<sup>2</sup>  
JA 4-1 3/4X 1C CLAMP-ON ADAPTER - TWO PIPE DEEP WELL JET - 4" CASING

**WHITEWATER MANUFACTURING COMPANY**

MODEL 52 SU WELD OR THREAD-ON UNIT - SUBMERSIBLE - 4"-20" CASING  
MODEL 1J2 CONCENTRIC WELD-ON UNIT-DEEP WELL SINGLE PIPE PACKER JET - 2" CASING  
MODEL 2J CONCENTRIC WELD OR THREAD-ON UNIT - TWO PIPE DEEP WELL JET - 4"-6" CASING (Out of Production)  
ACE WELD-ON ADAPTER - SUBMERSIBLE - 4"-8" CASING (Out of Production)  
QUICKY CLAMP-ON ADAPTER - SUBMERSIBLE - 4"-6" CASING (Out of Production)  
MODEL 51-C SUBURBAN CLAMP-ON ADAPTER - SUBMERSIBLE - 4"-6" CASING (Out of Production)  
ACE CLAMP-ON ADAPTER - 4"-6" CASING (Out of Production)

<sup>1</sup>Advance Pump Equipment Company, Boscott, Inc., Dayton Precision Manufacturing Company, Flow-Rite Products Company, Sears, Roebuck & Company, and Williams Products Division pitless adapters are no longer available. EGLE removed these products from the Water Well Equipment Approved List on 8/13/2018. If approved model information is needed regarding these manufacturers, please contact EGLE-Source Water Unit.

<sup>2</sup>As of 7/20/2018, company listed products as "Lead Free" as defined within Section 1417 of the Federal Safe Drinking Water Act.



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**Well Caps**

The following well caps/seals meet the requirements set forth in R325.1657A of Part 127, Act 368 PA 1978 Administrative Rules. Caps and venting requirements became effective May 1, 1985. Vents must be installed on all wells except those having deep well, single pipe, packer jet installations or on flowing wells.

<b><u>A &amp; B DIE CASTING</u></b> 6" Only	<b><u>FLOW-RITE</u></b> WATERTIGHT CAP	<b><u>MONITOR (BAKER)</u></b> 3" CAP* (FOR 2" SWJ PITLESS UNIT) TURTLE 4"-7" CAP WATERTIGHT CAP <sup>3</sup>
<b><u>BOSCOTT, INC.,</u></b> 4"-6"	<b><u>HARVARD</u></b> WTC <sup>3</sup>	<b><u>PAULUS</u></b> PLASTIC WELL CLOSURE 4"-5"
<b><u>BROTHERS CASTING</u></b> WATERTIGHT 6"	<b><u>LUNDE FOUNDRY, INC.</u></b> L-04 L-05 L-06	<b><u>W.D.B., Inc</u></b> WTC Well Cap
<b><u>CAMPBELL</u></b> WTC	<b><u>MAASS<sup>4</sup></u></b> 4"-12"WT	<b><u>WELLS</u></b> WT, WTP WC SC, SCP, SCPT
<b><u>CAMPBELL-MARTINSON</u></b> LX41 LX51 LX61	<b><u>MERRILL</u></b> WC 4"-8" WCA 4"-6" WCB 4"-10" WCD 4"-6" WCM 6" WCO 4"-6" WCP 5"-6"	<b><u>WHITEWATER</u></b> MODEL 100 (Out of Production) MODEL 200 (Out of Production) MODEL 300
<b><u>DAYTON</u></b> WATERTIGHT CAP	<b><u>MIDWEST-DICKEN<sup>4</sup></u></b> WTCC 4"-8" 359 WELL SEAL 2" 459SW CABLE SEAL W/VENT CAP <sup>3</sup>	<b><u>WILLIAMS</u></b> WTV
<b><u>DUPLEX</u></b> 3" CAP FOR 2" SWJ PITLESS UNIT (Out of Production)		

<sup>3</sup>Caps have separate vents which must be threaded into cap

<sup>4</sup>These companies are now called MAASS Midwest

**Hand Pumps**

The hand pumps listed below meet the requirements of Rule 153 of Part 127, Act 368 PA of 1978 and may be used on public or private water supplies. These hand pumps have a closed spout, directed downward, and a pump rod that operates through a stuffing box and packing nut.

**DEEP WELL HAND PUMPS** (LIFT CYLINDER REQUIRED)

BISON PUMPS MODEL BPH-125: 5", 6" AND 8"; ALL OFFSET MOUNTED  
COLUMBIANA FIGURE 80<sup>5</sup>, SINGLE ACTING FORCE PUMP (Out of Production)  
DEMPSTER MODEL 210F AND 226F FORCE PUMP; MODEL 23F AND MODEL 40F

HELLER-ALLER (SEE HITZER INC)  
HITZER INC MODEL 50-L<sup>5</sup>, 50-A<sup>5</sup>, AND ASB FORCE PUMP (FORMERLY "HELLER-ALLER")  
MONITOR BAKER MODEL 11HD, 11HDS<sup>6</sup>, 12HD, AND 12HDS<sup>6</sup> FORCE PUMP STAND  
MONITOR BAKER MODEL 1DFHC, 1DFHCS<sup>6</sup>, 1DFHF, AND 11 DFHFS<sup>6</sup> DRINKING FOUNTAIN STAND  
ROBBINS & MYERS MODELS 1V12, 2V12 ROTARY HAND<sup>7</sup>

**SHALLOW WELL HAND PUMPS** (LIFT CYLINDER BUILT INTO PUMP)

COLUMBIANA FIGURE 55-3 HOUSE FORCE PUMP  
HELLER-ALLER (SEE HITZER INC)  
HITZER INC FIGURE PHB HOUSE FORCE PUMP (FORMERLY "HELLER-ALLER")

<sup>5</sup>These hand pumps use the drop pipe into the well as the pump base or may be threaded onto a 2" well casing by using a 2" x 1.25" reducer. If the drop pipe is used as a pump base, the opening between the drop pipe and well casing is sealed using the manufacturer's well cap base and a vented sanitary well seal.



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<sup>6</sup>These hand pumps include a shroud which provides additional sanitary protection by enclosing the pump rod and packing nut.  
<sup>7</sup>This pump operates with a rotating pump rod and has a hand operated gear box rather than a lever fulcrum type handle operating a reciprocating pump rod through a packing nut.

**Yard Hydrants**

The following frost-proof yard hydrants do not use a stop-and-waste valve and are approved for installation on any water supply. Yard hydrants with buried stop-and-waste valve are prohibited on all types of water supplies, under Section P1501.1.1 of Article 15 of the Michigan Plumbing code, R325.1674A of Part 127, Act 368 PA 1978 Administrative Rules, and Rule 1108(3) of Act 399, PA 1976.

- CAMPBELL** - SANITARY YARD HYDRANT (SYH)
- HIDE-DRANT CORPORATION** – HIDE-DRANT MODEL 99 YARD HYDRANT (model number change, see below)  
 HIDE 7501-7503                      HIDE SS2750                      HIDE 104-108
- HOEPTNER PERFECTED PRODUCTS** - FREEZE FLOW SANITARY YARD HYDRANT  
 STANDARD FREEZE FLOW SANITARY YARD HYDRANT  
 EXECUTIVE FREEZE FLOW SANITARY YARD HYDRANT
- MERRILL MFG. CO.** - H-3000 SERIES WITH HEATING CABLE AND NO DRAIN HOLE
- MURDOCK, INC.** - EXPELO - SANITARY POST WATER HYDRANT
- SIMMONS MANUFACTURING COMPANY** – SIMMONS SANITARY YARD HYDRANT
- WHITEWATER MFG. CO.** - MODEL 256 FREEZE-PROOF/POLLUTION-PROOF YARD HYDRANT (Out of Production)
- WOODFORD MFG. CO.** - MODEL S1 FREEZE-PROOF/POLLUTION-PROOF YARD HYDRANT (Out of Production)  
 MODEL S2 SANITARY HYDRANT (Out of Production)  
 MODEL S3 SANITARY HYDRANT  
 MODEL S4H SANITARY HYDRANT

**Buried Pressure Tanks**

<b><u>ADVANCE-MORRISON</u></b>			
HORIZONTAL UNDERGROUND PRESSURE TANK			
BWS-116-120		BWS-116-500	
BWS-116-220		BWS-116-1000	
BWS-116-315		BWS-116-1500	
<b><u>AMTROL, INC.</u></b>			
WELL-X-TROL "UG" (UNDERGROUND TANK)			
<b><u>A. O. SMITH<sup>8</sup></u></b>			
<i>Aqua Air Underground Tank, CentriPro, HydroPro, Perma-Air Diaphragm Tank, State Industries Company, Trident Ultra, Wellsaver</i>			
PMX 14	PMXP 20	PCM 20	SPMD 14
PMX 20	PMXP 32	PCM 36	SPMD 20
PMX 32	PMXP 36	PCM 52	SPMD 31
PMX 36	PMXP 52	PCM 86	SPMD 32
PMX 52	PMXP 65	PCM 88	SPMD 36S
PMX 65	PMXP 86		SPMD 52
PMX 86	PMXP 96		SPMD 86
PMX 96	PMXP 119		SPMD 96
PMX 119			SPMD 119
V45B	T 45	TDU 14	
V60B	T 60	TDU 20	
V140B	T 80	TDU 26	
V200B	T 100	TDU 32	
	T 140	TDU 35	
	T 200	TDU 45	
		TDU 65	
		TDU 85	
		TDU 86	
		TDU 119	



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<b>CLAYTON MARK</b> PRECHARGED UNDERGROUND TANK		
<b>FLEXCON INDUSTRIES</b> WELL-RITE BG SERIES WR 60BG WR 100BG WR 140BG		
FLEX-LITE PRESSURE TANKS FL5 FL7 FL12 FL17 FL22 FL28 FL30 FL40		
<b>IN-WELL TECHNOLOGIES</b> Fits into 4-inch, 5-inch, 6-inch, or larger wells NT-30SS 3 5/8-inch dia, 102-inch length (Out of Production) NT-40SS 4 1/2-inch dia, 48-inch length (Out of Production)		
<b>MEDALIST MFG. CO.</b> PERMA PRESSURE II AVU-H TUVM		
<b>MERRILL MFG. CO.</b> ULTIMATE BURIED TANK - POLYURETHANE FOAM ENCASED (Out of Production)		
<b>MONITOR (BAKER MFG. CO.)</b> TUVWF TUVWM (Out of Production)		
<b>PENTAIR WATER TREATMENT</b> <i>WELL-MATE, ProSource</i>		
WM-4 LP (Out of Production)	WM-14WB	+PSC-14-4
WM-6 UG (Out of Production)	WM-4	+PSC-30-9
WM-9 UG (Out of Production)	WM-6	+PSC-48-14
WM-12 UG (Out of Production)	WM-9	+PSC-80-23
WM-10LP	WM-12	+PSC-119-35
WM-6LP	WM-23	+PSC-85-25
WM-35WB		+PSC-60-20
WM-25WB		+PSC-35-10
WM-20WB		+PSC-20-6
<b>STA-RITE INDUSTRIES</b> <i>FIBERWOUND</i>		
SR20-6S – 20 GALLONS		SR60-18 – 60 GALLONS
SR35-10S – 35 GALLONS		SR85-25 – 85 GALLONS
SR48-14S – 48 GALLONS		SR119-35 – 119 GALLONS
<b>THE AMERICAN GRANBY CO.</b> HARVARD CHAMPION UG SERIES (UNDERGROUND TANK)		
<b>TITAN INDUSTRIES. INC.</b> Combo Tank		
<b>WHITewater MFG. CO.</b> PAT (PITLESS ADAPTER TANK) 60 – 1,500 GALLONS		

<sup>8</sup>A.O. Smith Pressure Tank models AD, LLT, LMT, LPT, PAD, and SBD are no longer available. EGLE removed these products from the Water Well Equipment Approved List on 6/12/2019. If approved model information is needed regarding these products, please contact EGLE-Source Water Unit.

\* - The approval and listing of a product does not ensure compliance with the requirements of the Michigan Safe Drinking Water Act, 1976 PA 399, as amended, and the Administrative Rules.