

**ALL MAASS™ MODEL J SERIES PITLESS UNITS AND ADAPTERS FEATURE:**

- Innovative design which limits water contact to 304 stainless steel and brass, eliminating rust, corrosion and electrolysis in the water system
- Durable cast steel housing
- Tapered 8° slip fitting for easy installation & removal of brass insert
- No obstruction left in well casing when brass insert is pulled
- Designed for shallow or deep settings and high working pressures
- Water System Council listed - Standard PAS-97

**MODEL JX1 PITLESS BURY UNIT**



**FEATURES:**

- Construction in schedule 40 steel pipe
- Michigan, Minnesota, New York and Wisconsin state approved
- Can come threaded or plain end for welding
- Specify bury depth when ordering JX1 Pitless Units
- PA Option and PSP Package available on 1" discharge models for pressure switch in the well in 5" or larger casing
- JX1 units have standard male threads for attachment at base

**JX1 ORDERING INFORMATION**

- Factory welded, Michigan, Minnesota, New York & Wisconsin state approved for public use. See individual state & provincial codes.
- Casing sizes: 4" to unlimited.
- Discharge Sizes: 1", 1 1/4", 1 1/2", 2", 2 1/2", 3", 4".
- Consult factory for special options.
- WTCC caps to 8", WT caps to 12". For larger caps, consult factory.

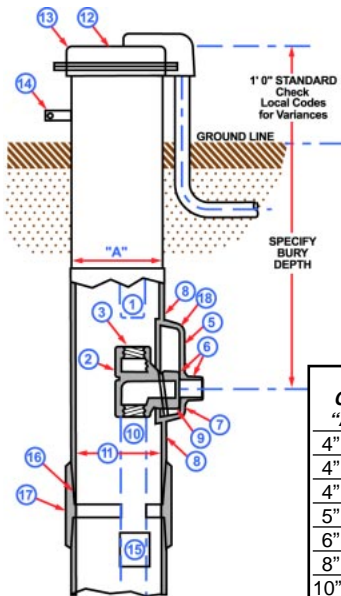
**WHEN ORDERING THE JX1 PITLESS UNIT PLEASE SPECIFY:**

1. CASING SIZE    2. BURY DEPTH    3. DISCHARGE SIZE

**Note:** Drop pipe and Lift-out pipe will be the same size.

**HOW TO ORDER JX1 PITLESS BURY UNIT**

CASING SIZE	BURY DEPTH	MODEL	DROP & DISCHARGE	PART NUMBER
4"	4'	JX1	1	4"x 4' JX1-1

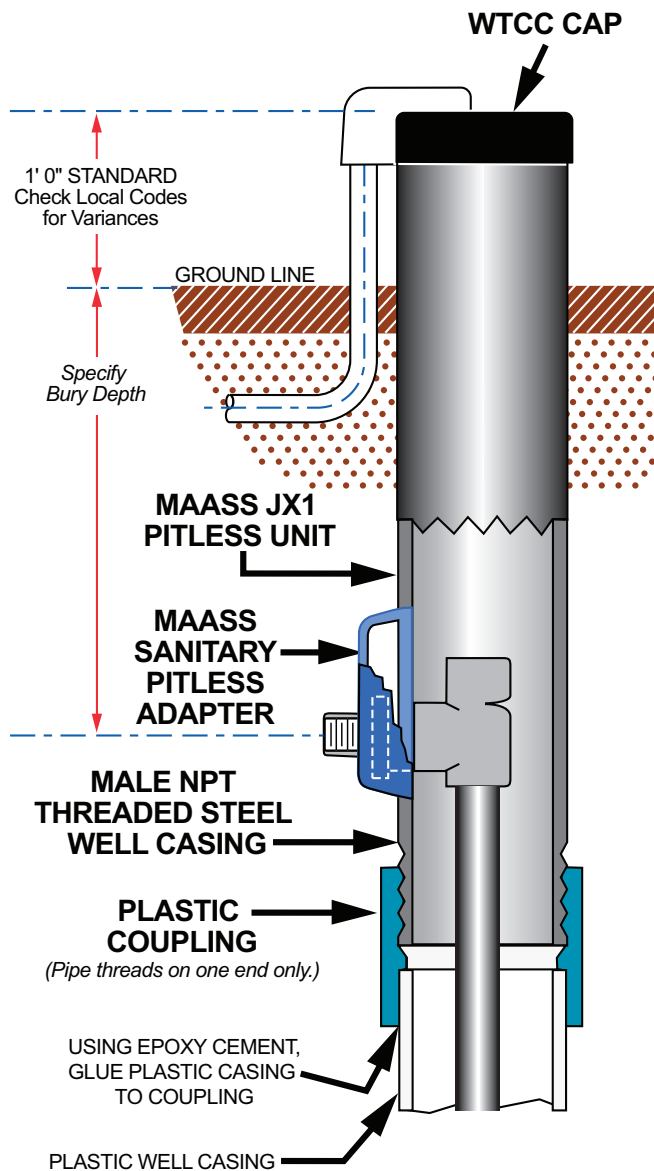


Well Casing "A" DIA.	Water Outlet and Drop Pipe Size
4" or larger	1"
4" or larger	1-1/4"
4" or larger	1-1/2"
5" or larger	2"
6" or larger	2-1/2"
8" or larger	3"
10" or larger	4"

1. Removable drop pipe for installation or pulling pump.
2. Condensation drain from drop pipe cup.
3. Bronze casting threaded same as inlet and outlet of drop pipe.
4. Bronze casting held rigid by two 8 degree 304 stainless steel guides in housing.
5. Cast steel housing welded to casing.
6. Stainless steel flange nipple non-magnetic 304 stainless steel eliminates electrolytic corrosion.
7. Neoprene O-Ring seal.
8. **Look!** Top and bottom housing lip sets into well casing for positive welding.
9. Angled seating lip eliminates condensation pockets.
10. Bronze casting holds pump pipe rigid and vertical for even strain on pipe threads.
11. Well casing. Note: No condensation crevice or pockets in pitless housing. No obstruction in well casing when bronze casting is removed.
12. Maass-Midwest Model WT or WTCC watertight well cap with screened vent.
13. Neoprene cap gasket.
14. (Optional) air line test block with (3) 1/4" NPT tapings.
15. Midwest #530 Brass Check Valve in drop pipe as specified.
16. Threaded NPT connection standard. Plain end optional.
17. Maass Full Weld Coupling. Model FWC. (Optional)
18. Maass Model J Pitless Adapter.

©2004, MAASS Midwest Manufacturing, Inc.

## MAASS JX1 PITLESS UNIT used with Plastic Casing



*Why should you use a steel pitless unit on top of plastic well casing?*

Steel on top gives you these advantages:

- ✓ Firm support for the pump and Pitless Adapter
- ✓ Protects top of plastic well from temperature extremes.
- ✓ Prevents sun exposure by blocking ultra-violet rays which cause deterioration of plastic.
- ✓ Protects top of well from damage.

Steel Casing and Pitless Adapter can be fabricated in your shop if state code permits.

©2007, MAASS Midwest Manufacturing, Inc.

**MAASS**  
**MIDWEST** **MANUFACTURERS OF QUALITY WATER WELL ACCESSORIES**

U.S. & CANADA 1-800-323-6259 • IL AREA 1-847-669-5135 • FAX 1-847-669-3230  
 P. O. Box 547, 11283 Dundee Road, Huntley, IL 60142-0547 • www.maassmidwest.com

MEMBER:



LISTED PAS-97(04)  
PITLESS ADAPTER STANDARD

**ENGINEERING SPECIFICATION**

The Pitless Unit shall be a Model JX1, as manufactured by Maass-Midwest Manufacturing, and shall be constructed of Schedule 40 steel pipe to fit a (\_\_\_\_\_) inch well casing. The pitless unit shall have (male threads/plain end) for attachment to the well casing and shall have a (\_\_\_\_\_) foot bury depth for water lines, with one foot projecting above finished grade level. Internal working parts for connecting the pump shall have an eight degree bronze locking type wedge ell with an o-ring forced against a non-magnetic type 304 stainless steel flanged nipple. The pitless adapter housing shall be of cast steel and shall have eight degree taper 304 stainless steel pins, and 304 stainless steel flanged discharge nipple, and shall be welded to the well casing. The pitless unit will have a (\_\_\_\_\_) inch drop and discharge pipe.

Quote Date: \_\_\_\_\_ Quote #: \_\_\_\_\_  
 Attention: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Company: \_\_\_\_\_ Phone: \_\_\_\_\_  
 City/State/Zip: \_\_\_\_\_ Reference: \_\_\_\_\_  
 Project: \_\_\_\_\_

**We are pleased to submit for your consideration, a quotation on our Model JX1 Pitless Unit as described below:**

Model No: \_\_\_\_\_

**Specifications:**

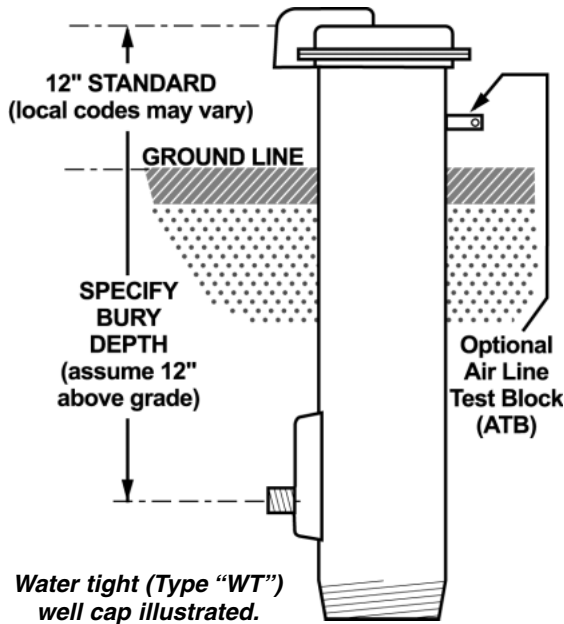
Casing Diameter: \_\_\_\_\_  
 Bury Depth: \_\_\_\_\_  
 Discharge & Pipe Size: \_\_\_\_\_  
 Casing Attachment: \_\_\_\_\_

**Options:**

Well Cap:  Yes  No  
 Well Cap Type:  WT  WTCC  
 Submersible  
 Airline Test Block (ATB):  Yes  No  
 Full Weld Coupling:  Yes  No

Other Options: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Ship Via: \_\_\_\_\_  
 Freight Charges:  Collect  Prepay & Add  
 Terms of Order: \_\_\_\_\_



Quantity: \_\_\_\_\_ Price(each) U.S. Funds: \$ \_\_\_\_\_ Signed: \_\_\_\_\_  
 Estimated Delivery (A.R.O.): \_\_\_\_\_ Title: \_\_\_\_\_

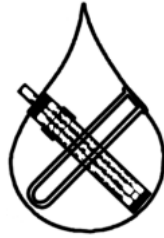
***This quotation is valid for 60 days from Quote Date shown above.***

MEMBER:

ALLIED

PHONE 631-1553

AREA CODE 312



LABORATORIES

7009 W. HIGGINS AVENUE CHICAGO, ILLINOIS 60656

REPORT NO.

DATE June 6, 1968

LABORATORY REPORT

SAMPLE DESCRIPTION:

TO Herb Maass Service  
10940 W. Congress St.,  
Milwaukee, Wisc. 53225

TS-326-A

MODEL 5 JIA Pitless Unit

RECEIVED:

A test was made to determine the ability of the Pitless Unit described above to support the weight of pump, drop pipe and other materials which might be suspended from the unit insert in actual use. 30 psi water pressure was applied to the unit thru its normal outlet, and a hydraulic piston used to apply force between a capped pipe screwed into the bottom of the insert, and the bottom of the casing.

The pitless unit withstood a force equal to 4000 pounds of weight on the insert without any evidence of leakage or failure.

A pressure drop curve was run with the unit in its normal service arrangement, according to standard test procedures, with the following results:

Flow Rate gpm	Pressure Drop psi
10	0.13
15	0.34
20	0.66
30	1.7
40	3.3

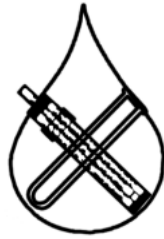
*Richard F. Weickart*

Richard R. Weickart, P.E.  
Director

ALLIED

PHONE 631-1553

AREA CODE 312



LABORATORIES

7009 W. HIGGINS AVENUE CHICAGO, ILLINOIS 60656

March 29, 1973

John J. Surinak  
Maas Lifetime Pitless Adapters  
Div. of Surinak Engr. & Mfg. Inc.  
13100 W. Cleveland Ave.  
New Berlin, Wisc. 53151

Re: Test Series 468

This is to certify that on March 7, 1973, loading tests were conducted with hydraulic pistons to determine the dead weights which could be supported by weld-on pitless adapters and over-the-top well caps installed on standard well casings. The following are the results of these tests:

Model Number	Pitless Adapter Description	Yielded at
6 J 2	2" outlet adapter on 6" casing	12 + tons
6 J 2 1/2	2 1/2" outlet adapter on 6" casing	12 tons
8 J 3	3" outlet adapter on 8" casing	15 tons
10 J 4	4" outlet adapter on 10" casing	25 tons

Examinations of the above adapters following the tests showed that the yields occurred in the threads of the adapters supporting the drop pipes.

Similar loading tests on over-the-top well caps gave the following results:

Cap for 6" and 7" casings: yielded and fractured at 17 tons

Cap for 8" casing: yielded and fractured at 15 tons.

*Richard F. Weickart*

Richard R. Weickart, P.E.  
Director

NOTE: STANDARD PRODUCT RECOMMENDED SAFETY FACTOR IS 1/3 OF YIELD FACTOR DESIGNATED IN TEST SERIES 468.

TESTED FOR DEAD WEIGHT ONLY; SHOCK, PUMP TORQUE, HYDRAULIC PRESSURE, VIBRATION, ETC., WERE NOT FACTORED.