



No-Lead



CA. Certified



**MERRILL**  
MANUFACTURING

2

## SSMCU PITLESS UNITS

Protect your precious water supply with a Merrill Pitless Unit. The highest quality installation plus the best for water safety and sanitation. They save the contractor installation and servicing headaches and give the well owner years and years of long trouble-free service. Units have a stainless steel pitless body for long life.

### FEATURES/BENEFITS

#### (1) CERTIFIED WATERTIGHT PITLESS UNITS & CAPS

Tested and approved by Pitless Adapter Standard PAS-1, PAS-2, PAS-97(2019)(R 2023), ASSE Standard #1093-2019(R 2023) and Illinois Code.

**BENEFIT:** Approved and recommended by all stringent state well codes.

#### (2) 100% PRESSURE TEST OF ALL UNITS at factory to insure seal to discharge.

**BENEFIT:** Guarantees pitless unit lines up and seals when servicing well.

#### (3) POSITIVE MECHANICAL SEAL by simply turning the stainless steel adjusting screw inside the pull pipe. Custom wrench available from the factory.

**BENEFIT:** Easy to work on and will not rust.

#### (4) FULL DIAMETER ACCESS TO WELL No obstructions that may need to be removed before working on well, common to pitless adapters.

**BENEFIT:** Eliminates extra work when re-working or re-drilling well.

#### (5) STAINLESS STEEL PITLESS BODY to insure a long life, and easy disengaging for future work on pump or well. Outside of pitless casing is painted, not standard with other companies.

**BENEFIT:** Long service life, easy service for years to come.

#### (6) EXTRA LARGE THICK O-RING SEAL assures watertight seal to inside of casing and around discharge welded to outside of casing.

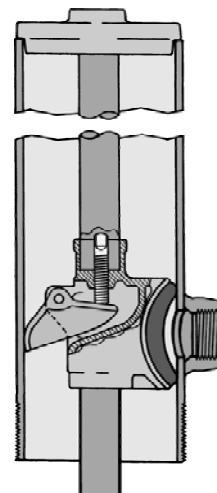
**BENEFIT:** Insures seal to inside of casing and will reseal after removed for service.

#### (7) MALE THREAD, PLAIN END, OR COMPRESSION COUPLING available on end of pitless casing for connection to well.

**BENEFIT:** Easy connection to well casing for all installation.

#### (8) HEAVY DUTY GALVANIZED IRON SUPPORT BAR HOLDS 160% MORE WEIGHT Minimize danger of losing pump or pipe down well. The Merrill support bar is much stronger than aluminum bar used by other manufacturers, and holds more weight than slide together type pitless adapters.

**BENEFIT:** Will support more weight.



**Note: Illinois State Approved**

Stainless Steel Discharge Fitting Available



SSHE1000  
SSHE125

#### (9) GROUND SCREW IN SUPPORT BAR provides a simple and easily accessible connection for the electrical ground of the pump cable.

**BENEFIT:** Easy connection for ground wire.

#### (10) SIMPLE DISENGAGEMENT FOR SERVICE By simply turning the stainless steel adjusting screw, the entire water system outside the well can be drained WITHOUT pulling the pump (impossible with other pitless units.)

**BENEFIT:** Simple answer for seasonal homes.

#### (11) WATERTIGHT CAPS ARE AVAILABLE **BENEFIT:** A well cap for all well codes.

#### (12) STAINLESS STEEL ELBOW FITTING available for discharge.

**NOTE:** Other drop pipe and discharge sizes and special bury depths available. Prices quoted per application.



SSHE1000

#### Stainless Steel Elbow Discharge Fittings

Order No.	UPC Bar Code (Qty. 1)	Insert MIP Size x Size
SSHE1000	6 42367 12117 4	1" x 1"
SSHE125	6 42367 12115 0	1-1/4" x 1-1/4"

#### Pitless Unit Casing Connectors Available:

- Rubber Compression Couplings: No. CC440, CC450, CC550, and CC660.
- Threaded Merchant Couplings: No. BC4, BC5, and BC6.
- Half Weld X Threaded Couplings: No. HW4, HW5, HW6, HWXL4, HWXL5, and HWXL6.
- Heavy-Duty Cast Threaded X Compression Couplings: No. CC40, CC50, CC60 (APC Series threaded on unit at factory)



Rubber Compression Coupling



Threaded Merchant Coupling



Half Weld X Threaded Coupling



Compression Coupling (APC Series)





# SSMCU PITLESS UNITS



## NOTE

Order No. Breakdown

Product I.D.	Well Size	Bury Depth	Options
SSMCU	4	04	CC40
For Sub Pitless	For 4" I.D. Casing	For 4' Bury Depth	Compression Coupling

Note: Illinois State Approved

## Stainless Steel MCU Pitless Units

Order No.	UPC Bar Code (Qty. 1)	Well Bury Size & Depth	Drop Pipe Discharge	Approx. Wt./Lbs.
SSMCU401	6 42367 06827 1	4" x 1'	1"	27.0
SSMCU402	6 42367 06828 8	4" x 2'	1"	38.0
SSMCU403	6 42367 06829 5	4" x 3'	1"	49.0
SSMCU404	6 42367 06830 1	4" x 4'	1"	60.0
SSMCU405	6 42367 06831 8	4" x 5'	1"	71.0
SSMCU406	6 42367 06832 5	4" x 6'	1"	82.0
SSMCU407	6 42367 06833 2	4" x 7'	1"	93.0
SSMCU408	6 42367 06834 9	4" x 8'	1"	104.0
SSMCU40114	6 42367 06835 6	4" x 1'	1-1/4"	27.0
SSMCU40214	6 42367 06836 3	4" x 2'	1-1/4"	38.0
SSMCU40314	6 42367 06837 0	4" x 3'	1-1/4"	49.0
SSMCU40414	6 42367 06838 7	4" x 4'	1-1/4"	60.0
SSMCU40514	6 42367 06839 4	4" x 5'	1-1/4"	71.0
SSMCU40614	6 42367 06840 0	4" x 6'	1-1/4"	82.0
SSMCU40714	6 42367 06841 7	4" x 7'	1-1/4"	93.0
SSMCU40814	6 42367 06842 4	4" x 8'	1-1/4"	104.0
SSMCU501	6 42367 06843 1	5" x 1'	1"	43.0
SSMCU502	6 42367 06844 8	5" x 2'	1"	58.0
SSMCU503	6 42367 06845 5	5" x 3'	1"	73.0
SSMCU504	6 42367 06846 2	5" x 4'	1"	88.0
SSMCU505	6 42367 06847 9	5" x 5'	1"	103.0
SSMCU506	6 42367 06848 6	5" x 6'	1"	118.0
SSMCU507	6 42367 06849 3	5" x 7'	1"	133.0
SSMCU508	6 42367 06850 9	5" x 8'	1"	148.0
SSMCU50114	6 42367 06851 6	5" x 1'	1-1/4"	44.0
SSMCU50214	6 42367 06852 3	5" x 2'	1-1/4"	59.0
SSMCU50314	6 42367 06853 0	5" x 3'	1-1/4"	74.0
SSMCU50414	6 42367 06854 7	5" x 4'	1-1/4"	89.0
SSMCU50514	6 42367 06855 4	5" x 5'	1-1/4"	104.0
SSMCU50614	6 42367 06856 1	5" x 6'	1-1/4"	119.0
SSMCU50714	6 42367 06857 8	5" x 7'	1-1/4"	134.0
SSMCU50814	6 42367 06858 5	5" x 8'	1-1/4"	149.0
SSMCU601	6 42367 07086 1	6" x 1'	1"	56.0
SSMCU602	6 42367 07087 8	6" x 2'	1"	75.0
SSMCU603	6 42367 07088 5	6" x 3'	1"	94.0
SSMCU604	6 42367 07089 2	6" x 4'	1"	113.0
SSMCU605	6 42367 07090 8	6" x 5'	1"	132.0
SSMCU606	6 42367 07091 5	6" x 6'	1"	151.0
SSMCU607	6 42367 07092 2	6" x 7'	1"	170.0
SSMCU608	6 42367 07093 9	6" x 8'	1"	189.0
SSMCU60114	6 42367 07094 6	6" x 1'	1-1/4"	56.0
SSMCU60214	6 42367 07095 3	6" x 2'	1-1/4"	75.0
SSMCU60314	6 42367 07096 0	6" x 3'	1-1/4"	94.0
SSMCU60414	6 42367 07097 7	6" x 4'	1-1/4"	113.0
SSMCU60514	6 42367 07098 4	6" x 5'	1-1/4"	132.0
SSMCU60614	6 42367 07099 1	6" x 6'	1-1/4"	151.0
SSMCU60714	6 42367 07100 4	6" x 7'	1-1/4"	170.0
SSMCU60814	6 42367 07101 1	6" x 8'	1-1/4"	189.0

SMCK Pitless Kit with pull pipe included inside 4", 5" or 6" steel casing with stainless steel discharge welded to steel casing.

### To Order Caps with SSMCU Pitless Units. Add Cap to Order No.



**WC Series**  
**Watertight Cap**  
w/1" Conduit  
Tapped



**WCB Series**  
**Watertight Cap**  
w/1-1/2" Conduit  
Tapped



**WCI6 Series**  
**(6" Only)**  
**Watertight Cap**  
w/1" Conduit  
Tapped



**WCO Series**  
**Watertight Cap**  
w/1" Conduit  
Tapped

**NOTE:** Compression couplings available. Add CC to Order No.

**NOTE:** Other Drop Pipe and Discharge Sizes and Special Bury Depths Available. Prices Quoted Per Application.

### Stainless Steel Elbow Discharge Fittings

Order No.	UPC Bar Code (Qty. 1)	Insert MIP Size x Size
SSHE1000	6 42367 12117 4	1" x 1"
SSHE125	6 42367 12115 0	1-1/4" x 1-1/4"



SSHE1000



**WARNING:** This product meets Federal USA Drinking Water requirements but has not been specifically tested or approved as no-lead in the State of California.



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## SSMCU PITLESS UNITS

### INSTALLATION INSTRUCTIONS

- (1) Cut a piece of 1/2" pipe (see chart) and flatten one end to fit stainless steel screw inside pitless body, for custom wrench. (see custom tool shown below)
- (2) Thread pipe from pump to stainless steel pitless body by putting wrench on pipe and pitless body, **NOT** pull pipe above pitless body.
- (3) Apply **Anti-Seize/Gasket Lube** to O-ring seal and then lower into casing.
- (4) When lowering unit into casing, line up mark on support bar with notch or mark cut in top of casing.
- (5) Turn stainless steel screw inside pitless body clockwise using custom wrench until O-ring seals on inner wall of casing.
- (6) Complete installation by installing watertight cap on top of well casing, model depends on state well code. SSMCU Pitless Unit is now installed.
- (7) **Pulling Pump** - Before pulling pump make sure that the stainless steel screw on pitless body inside pull pipe is turned (counter-clockwise), so the back lever can pivot in as far as necessary.
- (8) Connect to support bar center threads and lift.

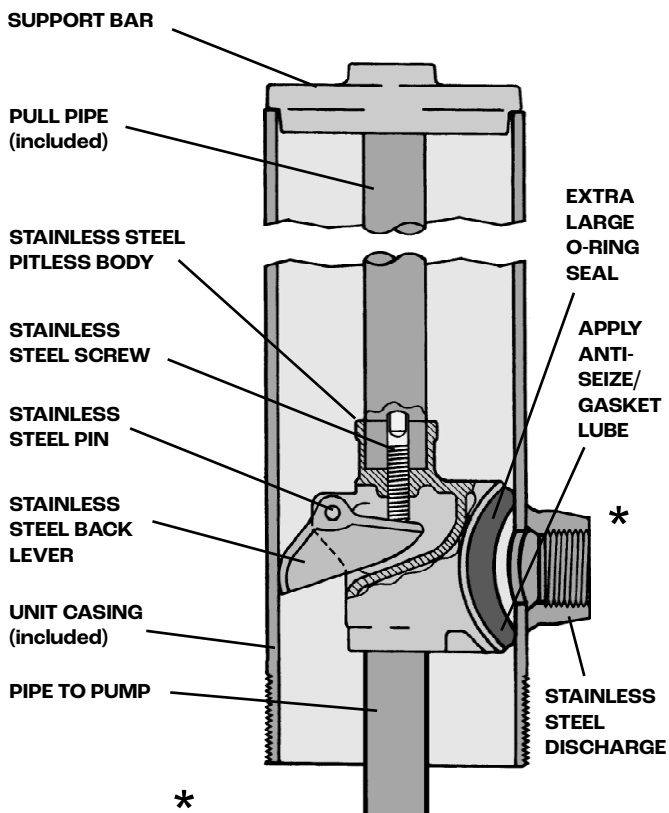
#### LENGTH CHART FOR ADJUSTING WRENCH

Unit Bury Depth	1/2" Pipe Length
1'	28"
2'	40"
3'	52"
4'	64"
5'	76"
6'	88"
7'	100"
8'	112"

Custom Tool available from factory, welds on to 1/2" pipe for turning stainless steel screw.



Part No.  
MCKADJTOOL



#### Stainless Steel Elbow Discharge Fittings

Order No.	UPC Bar Code (Qty. 1)	Insert Size x MIP
SSHE1000	6 42367 12117 4	1" x 1"
SSHE125	6 42367 12115 0	1-1/4" x 1-1/4"

### Parts List

Description	4" Part No.	5" Part No.	6" Part No.
Support Bar	MCK4SB	MCK5SB	MCK6SB
Thumb Screw - Stainless Steel	MCKSS	MCKSS	MCKSS
Internal Pitless Body - 1" Stainless Steel	SMCKB410	SMCKB510	SMCKB610
Internal Pitless Body - 1-1/4" Stainless Steel	SMCKB414	SMCKB514	SMCKB614
Flipper - Stainless Steel	SMCKF400	SMCKF500	SMCKF600
Pivot Pin - Stainless Steel	MCKPP	MCKPP	MCKPP
O-Ring Seal	MCKOR	MCKOR	MCKOR



MCK4SB



MCKSS



SMCKB410



SMCKB514



MCKOR



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