



## SP 3" PITLESS UNITS

### FEATURES/BENEFITS

### SINCE 1952

- 100% PRESSURE TEST OF ALL UNITS\*** at factory to insure seal to discharge plus parts are pinned in place.  
**BENEFIT:** Guarantees pitless unit lines up and seals when servicing well.
- POSITIVE MECHANICAL SEAL\*** By simply turning the stainless steel adjusting nut at the top of the well. Custom wrench available from the factory.  
**BENEFIT:** Easy to work on and will not rust.
- 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.
- STAINLESS STEEL DISCHARGE AND STAINLESS STEEL ELBOW\*** 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.
- SUPPORT PLATE HOLDS WEIGHT\*** Minimize danger of losing pump or pipe down well.  
**BENEFIT:** Will support more weight.
- CABLE SLOT IN SUPPORT PLATE** allows you to install and service pump without a splice in submersible cable.  
**BENEFIT:** Splice in cable could be eliminated.
- GROUND SCREW IN SUPPORT PLATE\*** provides a simple and easily accessible connection for the electrical ground of the pump cable.  
**BENEFIT:** Easy connection for ground wire.

### \*Exclusive MERRILL Quality Features

### SP300 Series - With 3" Steel casing, internal parts and cap

Order No.	UPC Bar Code (Qty. 1)	Well Size x Bury Depth	Drop & Discharge	w/WC Cap Order No.	UPC Bar Code (Qty. 1)	Wt./Lbs. w/Cap
SP301	6 42367 12306 2	3" x 1'	1-1/4"	SP301WC	6 42367 12316 1	37.0
SP302	6 42367 12307 9	3" x 2'	1-1/4"	SP302WC	6 42367 12317 8	46.0
SP303	6 42367 12308 6	3" x 3'	1-1/4"	SP303WC	6 42367 12319 2	55.0
SP304	6 42367 12309 3	3" x 4'	1-1/4"	SP304WC	6 42367 12269 0	64.0
SP305	6 42367 12310 9	3" x 5'	1-1/4"	SP305WC	6 42367 12320 8	73.0
SP306	6 42367 12311 6	3" x 6'	1-1/4"	SP306WC	6 42367 12321 5	82.0
SP307	6 42367 12312 3	3" x 7'	1-1/4"	SP307WC	6 42367 12322 2	91.0
SP308	6 42367 12313 0	3" x 8'	1-1/4"	SP308WC	6 42367 12323 9	100.0

WC Series Watertight Cap - Cable Entrance = 1" - Vent Included = 1/2"

**Note:** Operation of adjusting rod assembly is the opposite of other SP units

### Diagram A - Disengaged: NOTE

"low" position of adjusting rod threads through adjusting nut.

**Diagram B - Sealed:** Turning adjusting nut clockwise puts threads in "high" position, engages seal.

### DIAGRAM C

### SP3 Installation Instructions

**NOTE:** All Merrill Pitless Units are pressure tested to insure seal, and all inside assemblies are drilled and pinned after test, to guarantee alignment and seal for years.

**A) Before lowering inside assembly into well casing of unit, thread pipe to pump into stainless steel sealing ell by putting pipe wrench on pipe and sealing ell, NOT assembly pipe above ell.**

### B) To Install:

**1)** Apply Anti-Seize/Gasket Lube to O-ring, plus slot and back edges of guide plates, then lower parts into well.

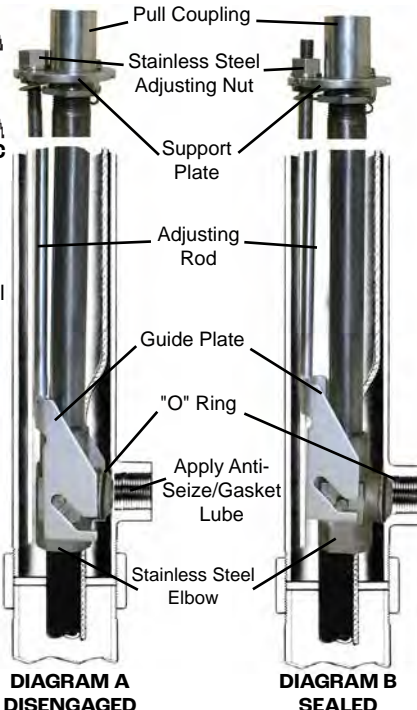
**2)** Fit rib on support plate into notch in unit casing (see Diagram C)

**3)** Turn adjusting nut clockwise all the way so rod threads are up.

### C) To Pull:

**1)** Turn adjusting nut counter-clockwise as far as possible so rod threads all the way down, then clockwise 1/2 turn.

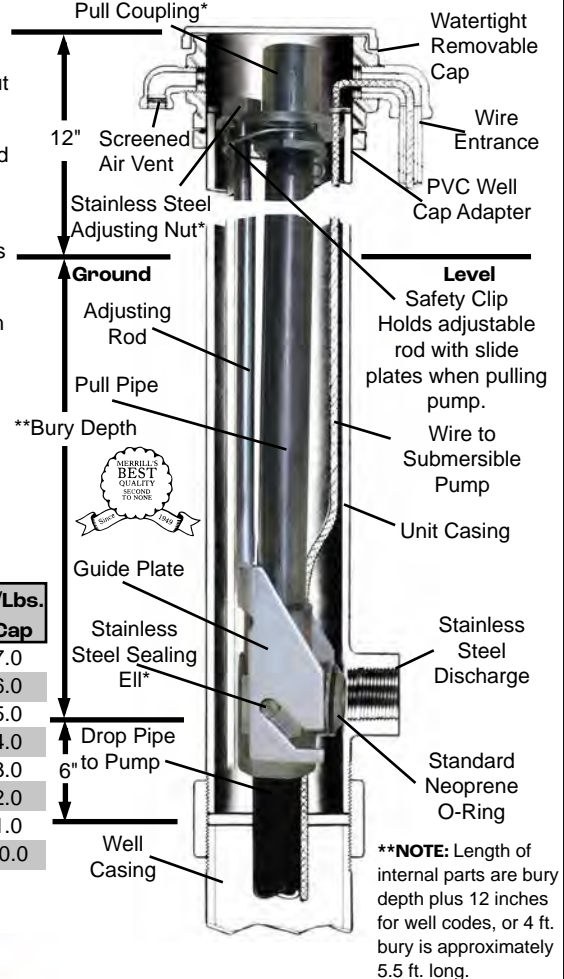
**2)** Connect to pull coupling and lift.



**DIAGRAM A  
DISENGAGED**

**DIAGRAM B  
SEALED**

### Merrill SP3 Pitless Units are Certified



### Parts List

Part Description	3" Part No.	UPC Bar Code (Qty. 1)
WC Cap Cover	401	6 42367 00215 2
WC Cap Bolts (4)	402	6 42367 00216 9
WC Cap Top O-Ring	OR249	6 42367 00217 6
WC Cap Body Casting	404	6 42367 00218 3
Screened Air Vent	405	6 42367 00219 0
WC Cap Casing O-Ring	OR349	6 42367 00220 6
WC Cap Clamping Ring	407	6 42367 00221 3
Head Ring Bolts (4)	408	6 42367 00222 0
Stainless Steel Adjusting Nut	309	6 42367 12137 2
Pull Coupling	GDC100	6 42367 05400 7
Support Plate	314	6 42367 12267 6
Support Lock Nut	315	6 42367 12314 7
Pull Pipe	PRICE ON APPLICATION	
Stainless Steel Sealing Elbow	312	6 42367 12219 5
Discharge O-Ring	OR220	6 42367 00256 5
Adjusting Rod w/guide plates <sup>2</sup>		
3" Well Cap Adapter	PVC4X3B	6 42367 12315 4



**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.