

SP3 PITLESS UNIT



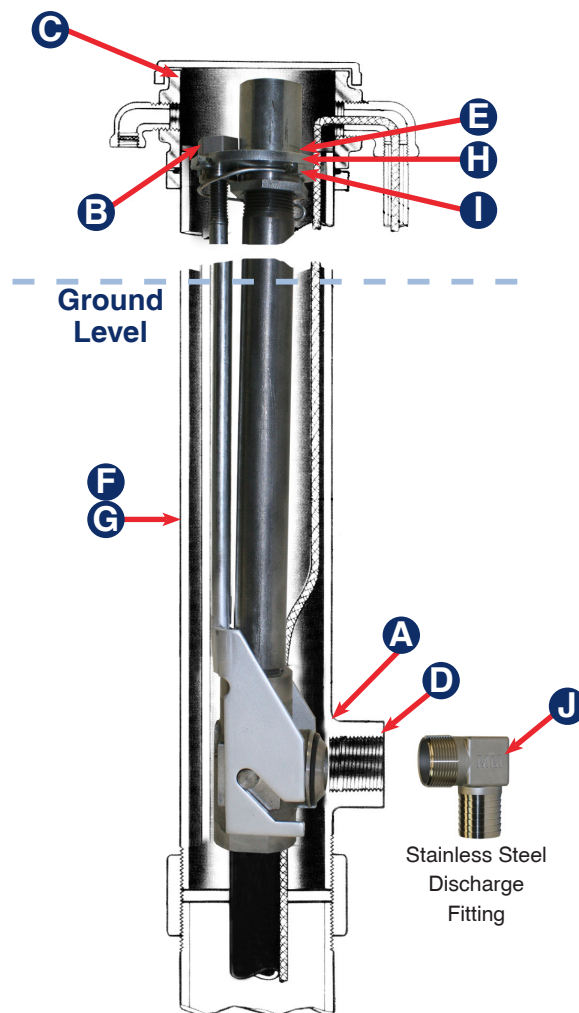
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SP3 PITLESS UNIT

FEATURES AND BENEFITS SINCE 1952

* Exclusive MERRILL Quality Features

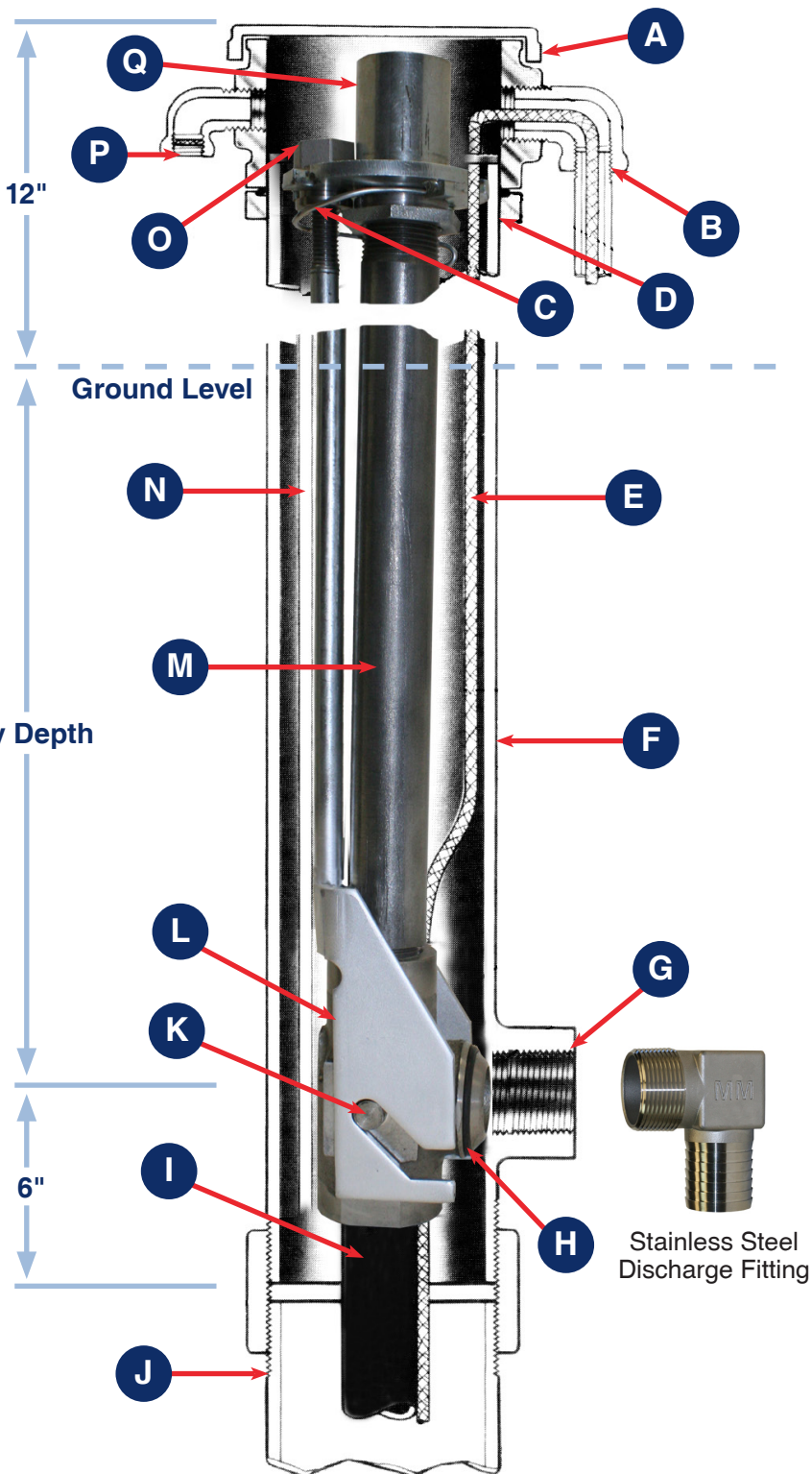
- A 100% Pressure Test of All Units***
Feature - At factory to insure seal to discharge plus parts are pinned in place.
Benefit - Guarantees pitless unit lines up and seals when servicing well.
- B Positive Mechanical Seal***
Feature - By simply turning the stainless steel adjusting nut at the top of the well. Custom wrench available from the factory.
Benefit - Easy to work on and will not rust.
- C Full Diameter Access to Well**
Feature - 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.
- D Stainless Steel Discharge and Stainless Steel Elbow***
Feature - 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.
- E Support Plate Holds Weight***
Feature - Minimize danger of losing pump or pipe down well.
Benefit - Will support more weight.
- F Lowest Cost Well for 25GPM or less**
Benefit - Be sure you get the well jobs
- G Drag Bit Can Drill Well in One Pass for 3" Casing**
Benefit - Less labor and drill time insures lowest cost
- H Cable Slot in Support Plate**
Feature - Allows you to install and service pump without a splice in submersible cable.
Benefit - Splice in cable could be eliminated.
- I Ground Screw in Support Plate***
Feature - Provides a simple and easily accessible connection for the electrical ground of the pump cable.
Benefit - Easy connection for ground wire.
- J Stainless Steel Elbow Fitting**
Benefit - Available for discharge.



FEATURES AND BENEFITS

* Exclusive MERRILL Quality Features

- A Part Number: 401**
Watertight Removable Cap
- B Wire Entrance**
- C Safety Clip**
Safety clip holds adjustable rod with slide plates when pulling pump.
- D Part Number: PVC4X3B**
3" Well Cap Adapter
- E Wire to Submersible Pump**
- F Unit Casing**
When ordering unit casing indicate model number and bury depth.
- G Frost Proof Stainless Steel Discharge**
When ordering stainless steel discharge indicate model number.
- H Standard Neoprene O-Ring**
- I Drop Pipe to Pump**
- J Well Casing**
- K Stainless Steel Sealing Ell***
- L Guide Plates**
- M Pull Pipe**
Galvanized Pull Pipe
- N Adjusting Rod**
When ordering adjusting rod indicate model number and bury depth.
- O Part Number: 309***
Stainless Steel Adjusting Nut
- P Part Number: 405**
Screened Air Vent
- Q Part Number: 413***
Pull Coupling



****NOTE:** Length of internal parts are bury depth plus 12 inches for well codes, or 4 ft. bury is approximately 5.5 ft long.



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.

SP3 PITLESS UNIT

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:

Note: "Low" position of adjusting rod threads through adjusting nut.

Diagram B - Sealed:

Turning adjusting nut clockwise puts threads in "high" position, engages seal.

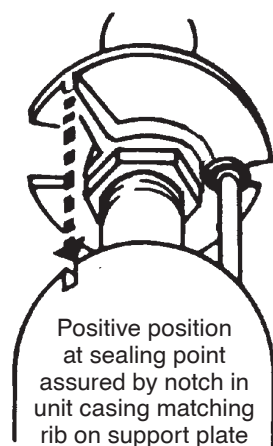
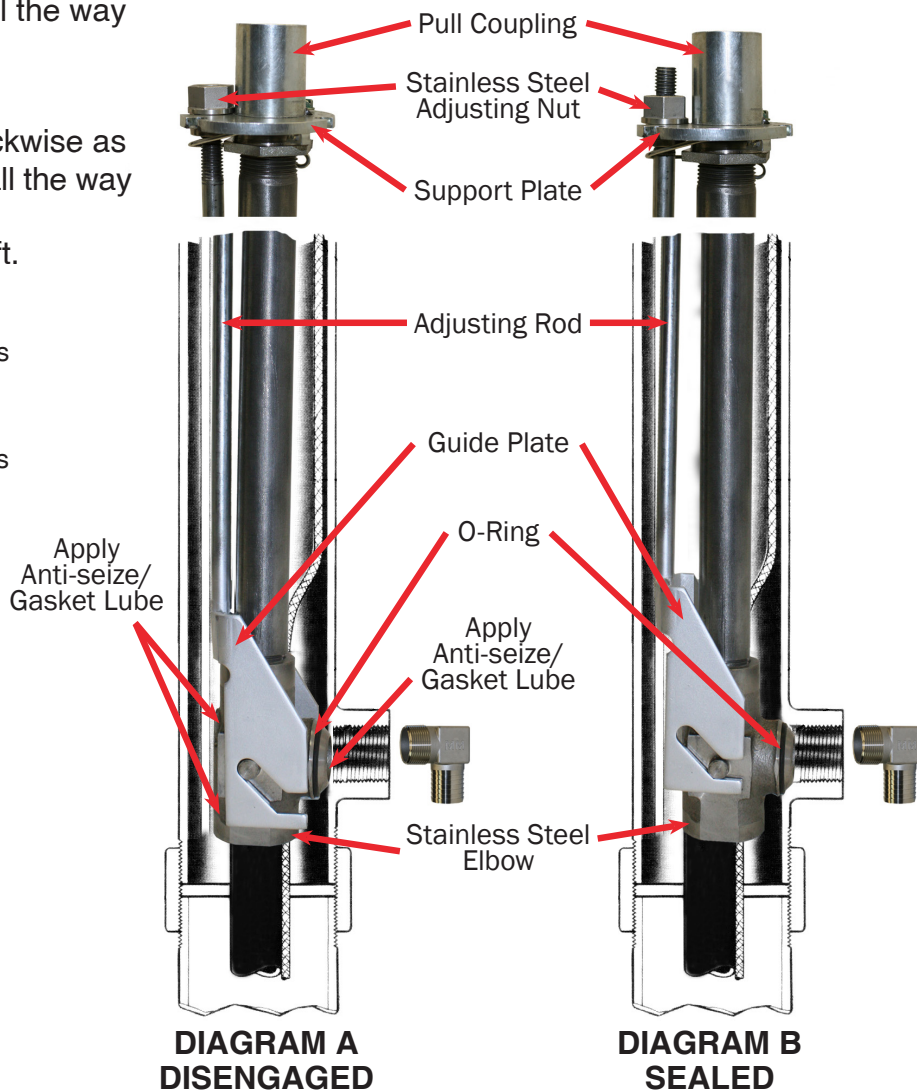


DIAGRAM C



SP3 PITLESS SERIES

Order Numbers

Product I.D.	Well Size	Bury Depth	Well Cap
SP - for Sub Pitless	3 - for 3" I.D. Casing	04 - for 4' Bury Depth	WC - Watertight Cap



No-Lead

SP300 Series

Order Number	UPC Bar Code (Qty.1)	Well Size x Bury Depth	Drop Pipe & Discharge	Approx. Weight
SP301	6 42367 12306 2	3" x 1'	1-1/4"	28.0 lbs
SP302	6 42367 12307 9	3" x 2'	1-1/4"	37.0 lbs
SP303	6 42367 12308 6	3" x 3'	1-1/4"	46.0 lbs
SP304	6 42367 12309 3	3" x 4'	1-1/4"	55.0 lbs
SP305	6 42367 12310 9	3" x 5'	1-1/4"	64.0 lbs
SP306	6 42367 12311 6	3" x 6'	1-1/4"	73.0 lbs
SP307	6 42367 12312 3	3" x 7'	1-1/4"	82.0 lbs
SP308	6 42367 12313 0	3" x 8'	1-1/4"	91.0 lbs

SP300 WC-Series

Order Number	UPC Bar Code (Qty.1)	Well Size x Bury Depth	Drop Pipe & Discharge	Approx. Weight with WC Cap
SP301WC	6 42367 12316 1	3" x 1'	1-1/4"	37.0 lbs
SP302WC	6 42367 12317 8	3" x 2'	1-1/4"	46.0 lbs
SP303WC	6 42367 12319 2	3" x 3'	1-1/4"	55.0 lbs
SP304WC	6 42367 12269 0	3" x 4'	1-1/4"	64.0 lbs
SP305WC	6 42367 12320 8	3" x 5'	1-1/4"	73.0 lbs
SP306WC	6 42367 12321 5	3" x 6'	1-1/4"	82.0 lbs
SP307WC	6 42367 12322 2	3" x 7'	1-1/4"	91.0 lbs
SP308WC	6 42367 12323 9	3" x 8'	1-1/4"	100.0 lbs

WC Series Watertight Cap	Cable Entrance	Vent
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WC Series	1"	Vent Included - 1/2"
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NOTE: Operation of adjusting rod assembly is the opposite of other SP units.

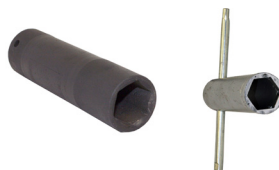
Stainless Steel Elbow Discharge Fittings

Order Number	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"



Custom Wrenches

Order Number	UPC Bar Code (Qty.1)	Casing Size
SP46WR	6 42367 41178 7	4" x 6"
SP8WR	6 42367 05413 7	8"



NOTE: Custom wrenches for stainless steel adjusting nut available from Merrill.



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THE PERFECT MATCH

3" Pitless Unit with a 3" Submersible Pump

Less Time and Lower Cost to Drill a 3" Well



WC Well Cap



PVC Well Cap
adapter included
with cap



Custom Wrench available
Same tool used on 4" and larger
diameter units



Stainless Steel
Elbow Discharge



3" Pitless Unit

PARTS AND ACCESSORIES

Parts List

Part Description	3" Part Number	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	413	6 42367 00226 8
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		
3" Well Cap Adapter	PVC4X3B	6 42367 12315 4

SPECIFICATIONS

- Lowest cost well for 25 GPM or less - Be sure you get the well jobs.
- Drag bit can drill well in one pass for 3" casing - Less labor and drilling time.
- 3" submersible pump reliable for 26 years by Grundfos and others - Pump available to complete well.
- PVC well cap adapter included with cap.
- Stainless steel internal elbow
- Stainless steel 1-1/4" discharge
- All internals of SP3 unit pulls out for clear casing.
- Custom wrench available same tool used on 4" and larger diameter units.

Anti-Seize/Gasket Lube

Order Number	UPC Bar Code (Qty.1)	Container Size	Container Type
PAL100	0 96542 71704 9	1 lb.	Can

Brush top can in economical/professional size.

NOTE: Merrill recommends the use of Anti-Seize/Gasket Lube upon each installation (or re-installation) of a Pitless Adapter, Pitless Kit or Pitless Unit.



AQUA-SEAL Thread Sealing Compound

Order Number	UPC Bar Code (Qty.1)	Container Size	Container Type
IG2	6 88544 02003 8	2 oz.	Tube
MASP05	6 42367 12953 8	8 oz.	Can
MASP1	6 42367 12952 1	16 oz.	Can

NOTE: AQUA-SEAL is a slow drying, soft setting, non-hardening pipe thread compound. Use for all thread sealing on all metals, ABS, PVC, CPVC, nylon, and plastic pipe systems.





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