

Accessories & Options

PMP-Condensate Return Pumps & Pump-Trap Combinations

Watson McDaniel offers a full line of accessories for our Condensate Return Pumps and Pump Systems. If there is something you don't see, please call our factory and we will do our best to help you.

ASME CODE STAMP for Receiver Pump Tanks

Four standard condensate receiver sizes are available for Pressure Motive Pump Systems: 21, 48, 75 and 116 gallons. Custom receiver fabrication is available with Watson McDaniel's ASME-certified fabrication facility. ASME Code is Standard on 21, 48, 75 and 116 gallon receiver tanks and PMPF, PMPLS, PMPSS pump tanks.

ASME Code Stamp:	Model Code
for PMPC, PMPC & PMPNT Pump Tanks	Contact Factory

Cycle Counter

The Digital Cycle Counter option allows monitoring of pump cycles for the purpose of scheduling maintenance and repairs, as well as calculation of condensate flow through the pump (i.e. returned condensate). There are several options available depending on the PMP selected as well as the operating conditions. Therefore, proper selection is required to ensure proper function and operation. See below for selection, or consult factory for additional assistance.

- Pump Only (Open Loop), with pump back pressure 15 psig or above – Standard
- Pump Only (Open Loop), with pump back pressure below 15 psig – Low Pressure Option
- Pump-Trap (Closed Loop) – Special option required – consult factory.

Pump-traps (closed loop) can not use the pressure switch because the vent pressure will vary, so pressure differential can not be guaranteed.

Cycle Counter (fits all PMPs) Open Loop Systems Only	Model Code
Digital Cycle Counter	1529100
Digital Cycle Counter with auxiliary contacts	1529102
Low Pressure Cycle Counter with auxiliary contacts	1529103
Low Pressure Cycle Counter w/o auxiliary contacts	1529104
Closed Loop Cycle Counter	2450300



Gauge Glass

Pumps tanks are available with gauge glass to show condensate level inside the tank (bronze or stainless steel retainer).

Gauge Glass for:	Model Code
Standard Bronze Gauge Glass	
PMPC, PMPF, PMPLS (stand alone pumps)	GAUGE GLASS-1
PMPT (stand alone pump)	GAUGE GLASS-PMPT
PMPM (stand alone pump)	GAUGE GLASS-PMPM
21 Gallon Receiver Tank	GAUGE GLASS-1
48 Gallon Receiver Tank	GAUGE GLASS-1
75 Gallon Receiver Tank	GAUGE GLASS-1
116 Gallon Receiver Tank	Contact Factory
Stainless Steel Gauge Glass	
PMPSS (stand alone pump)	GAUGE GLASS SS
PMPT & PMPNT	Contact Factory
Options for Gauge Glass	
Auto Drain (self-drain) Stainless Steel Armored	GAUGE GLASS-1A
Reflex Gauge for PMPC, PMPF, PMPLS, 21 Gallon Receiver	GAUGE GLASS-1HP

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Insulation Jacket

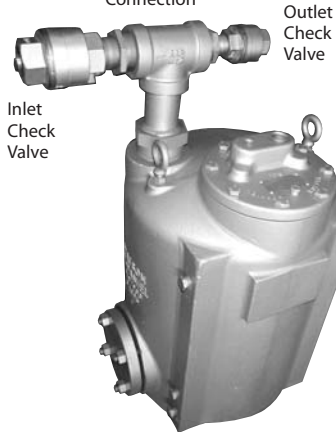
Insulation Jackets improve safety by protecting personnel from hot surfaces and conserve energy by reducing heat loss. Jackets have velcro closures for easy installation or removal and fit tightly around pump tanks and receivers.

Insulation Cover



Insulation Cover for:		Model Code
PMP	(Ductile Iron Pump)	INSUL-CRV-PMP
PMPF	(Fabricated Steel Pump)	INSUL-CRV-PMPF
PMPPLS	(Low-Profile Pump)	INSUL-CRV-PMPPLS
PMPBP	(High Capacity Pump)	INSUL-CRV-PMPBP
PMPT & PMPNT	(Pump-Trap Combination or Pump)	INSUL-CRV-PMPT
PMPM	(Mini Pump)	INSUL-CRV-PMPM
21 Gallon Receiver		INSUL-CRV-21
48 Gallon Receiver		INSUL-CRV-48
75 Gallon Receiver		INSUL-CRV-75
116 Gallon Receiver		INSUL-CRV-116

"T-Bone" Connection



Vertical Discharge Pump

Vertical Discharge Pump with "T-Bone" connection allows inlet and outlet condensate hook-ups to be made above the pump. This is an advantage when space is limited around the base of the pump due to equipment or piping obstructions.

Vertical Discharge Pump	Model Code
T-Bone Connections available for Stand Alone Pump	PMP-TBONE

Check Valves - Stainless Steel

The **Inlet Check Valve** on PMP systems require a very low opening pressure (cracking pressure) so that the liquid will freely enter the pump tank. The proper check valve is critical to the operation of the PMP system. Watson McDaniel uses only Stainless Steel Check Valves with a maximum of 1/4 PSI cracking pressure. (See Check Valves in Pipeline Accessories.)



Check Valves - NPT	Model Code
1/2"	WSSCV-12-N-0
3/4"	WSSCV-13-N-0
1"	WSSCV-14-N-0
1 1/4"	WSSCV-15-N-0
1 1/2"	WSSCV-16-N-0
1 1/2" (no closing spring)	WSSCVQF-16-N-0
2"	WSSCV-17-N-0
3"	WSSCV-19-N-0

Mechanism for Pump Tanks (with Patented “Snap-Assure” Feature)

The Patented “Snap-Assure” feature extends the useful life of the pump by assuring the internal mechanism toggles at every fill and discharge cycle. These mechanisms are simple and easy to replace, and are a cost-effective way to make your pump as good as new. They will also fit other manufacturers’ pump tanks.



Mechanisms for:	Model Code
Complete Mechanism Assembly with Cover for:	
PMPF & PMPSP	W-KIT-900-03
PMPC & PMPLS	W-KIT-910-03
PMPBP	W-KIT-900-01
PMPM	W-KIT-911-03
PMPT	W-KIT-912-03
PMPNT	W-KIT-914-03
Rebuilt Mechanism* for:	
PMPF	W-KIT-900-03R
PMPC & PMPLS	W-KIT-910-03R
PMPT & PMPNT	W-KIT-912-03R

*** Note for Rebuilt Mechanisms:**

The exchange program is for mechanisms with two years of service or less. The old mechanism must be returned along with the order for the rebuilt mechanism. Orders without old mechanisms will be invoiced at the new mechanism price.

Pre-Piped PRV & Drip Leg

A fully-assembled Pre-piped PRV, Drip Leg, or PRV and Drip Leg Assembly guarantees proper installation of your PMP System. It assures that your skid package performs to optimum levels.

Pre-Piped Accessories	Model Code
Pre-piped Motive Line with Pressure Regulating Valve (PRV) for control of motive steam or air (drip trap not included – to be by others)	PRV1
Pre-piped Motive Line with Drip Leg Station and Steam Trap	PRV2
Pre-piped Motive Line with PRV, Drip Leg, and Steam Trap (PRV1 + PRV2)	PRV3
Pre-piped Exhaust Line	PRV4
Overflow J-pipe	Contact Factory
Pressure Gauge	Contact Factory
Drain Valve	Contact Factory