

# DIRECT CONNECT DOUBLE ACTING TOOL SYSTEM



Allows for the operation of a wide selection of crimping, cutting, and spearing tools from your choice of high pressure power source



Direct connect control valve will advance, retract, and hold

Save time, money, space, and operator strain. This light weight system will provide increased operator control, quick tool change-outs, and endless versatility.



Operate from Utility Vehicle Tool Circuit with a H/P Intensifier or portable Gas or Electric Pump.





Accepts 15 ton "P" style dies, or  
12 ton "U" style dies with an optional PU Adapter

## DIRECT CONNECT COMPRESSION ASSEMBLY

**REL-1915** - 10,000 POWER UNIT

**PVA 1122** - 4-WAY DIRECTIONAL CONTROL VALVE

**PDY-1524** - 15 TON COMPRESSION HEAD



### PVA 1122

4 Way Direct Connect Control Valve  
accepts your choice of Double Acting  
Crimping, Cutting or Spreading Heads



**PDY-1524**



# “P” TYPE & “U” STYLE DIES



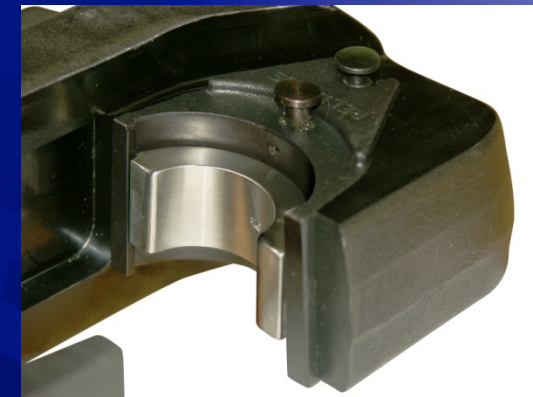
## IMPORTANT

Ensure that you are using the appropriate die for your application. The die will be determined by the sleeve. Disconnect from power source before inserting dies.

Press die retainer button and slide  
“P” type die onto die retainer.

**NOTE:** Ensure that die is secured.

If the application allows, a “U” style die may also be used along with a PU die adapter.



Insert PU adapter as shown above. Press button on adapter and slide “U” die under retaining lip & secure.

## PDY-1524



### BEFORE CONNECTING

PDY-1524 Compression Head to the PVA 1122 Control Valve.

Disconnect from power source before connecting tool to valve



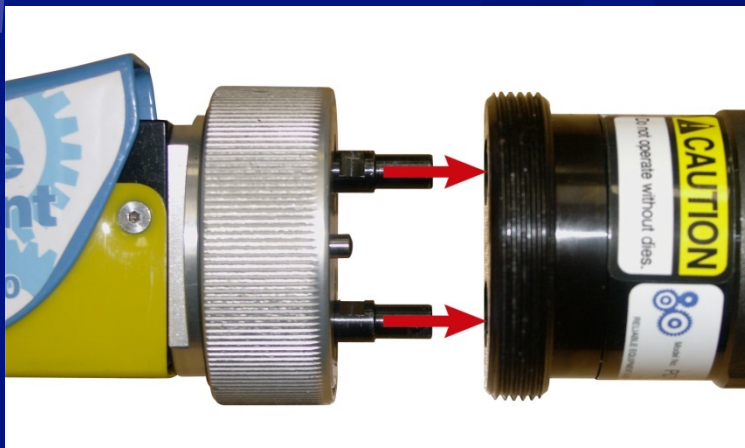
### REMOVE

Thread Protector Ring and Oil plugs from **PDY-1524**

**IMPORTANT**  
DO NOT DISCARD

### CAUTION

Tool threads may be sharp, and may cut operator.



Insert pressure and return ports from valve into corresponding ports on tool head.



Thread collar from valve onto tool threads securing tool to valve completely.



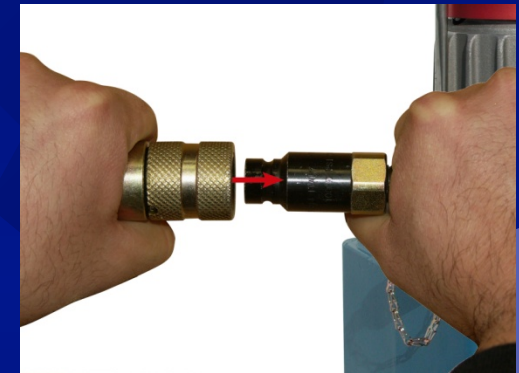
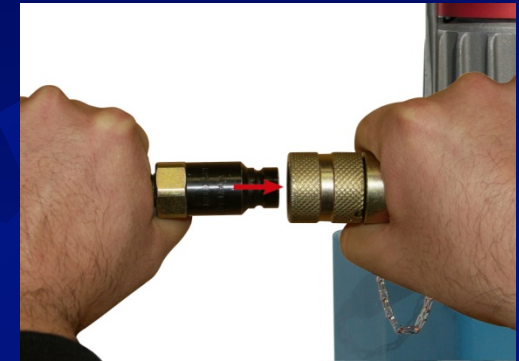
## CONNECTING HOSES TO PUMP

Insert male coupler into female receiver by pressing firmly until couplers snap together securely.

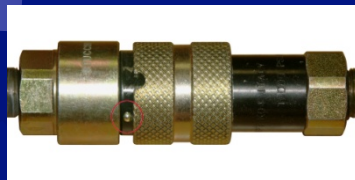


## NOTE

Ensure pump switch is in the "OFF" position and plug is disconnected from power source before connecting tool.



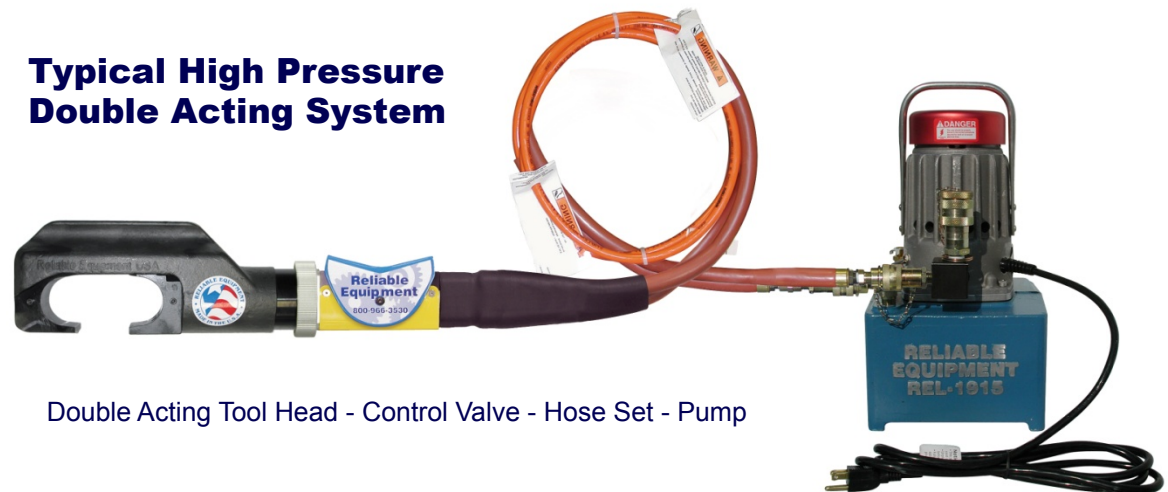
## IMPORTANT



Ensure that lock ball is NOT aligned with notch on coupler release collar.

This will help to prevent accidental release.

## Typical High Pressure Double Acting System



Double Acting Tool Head - Control Valve - Hose Set - Pump

**NOTE: REMOTE HAND SWITCH MAY NOT BE USED  
IN DOUBLE ACTING APPLICATIONS**



**OPEN VENT BEFORE OPERATING.  
CLOSE VENT AFTER USE.**

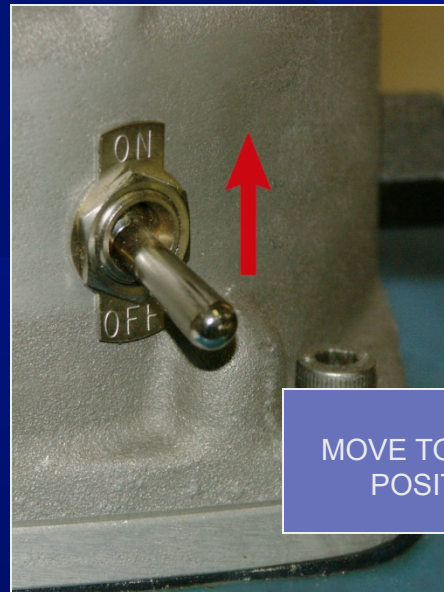
**CONNECT PUMP TO AN  
APPROPRIATE POWER SOURCE**



### **NOTICE**

Due to different  
plug configurations  
throughout the world

An appropriate  
plug must be added  
before use.



**MOVE TOGGLE SWITCH INTO THE "ON"  
POSITION TO BEGIN OPERATION**





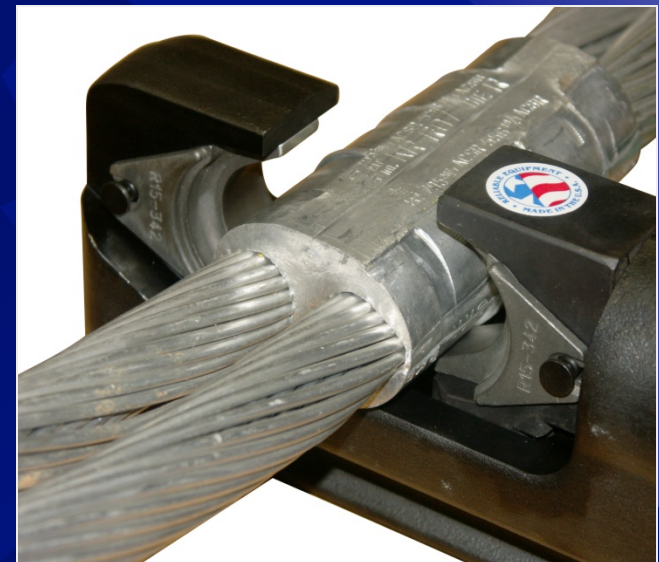
Advance to perform compression operation.



Retract to open jaw and release sleeve.  
This feature will virtually eliminate die hang-up.

Valve may be returned to the neutral or hold position at any time during the operation, allowing for tool alignment or operator positioning.

Return to neutral and switch "OFF" at the pump when operation is complete.





## **DIRECT CONNECT COMPRESSION ASSEMBLY**

**REL-1915** - 10,000 POWER UNIT

**PVA 1122** - 4-WAY DIRECTIONAL CONTROL VALVE

**PDC-2000** - HYDRAULIC CUTTING HEAD



### **PVA 1122**

4 Way Direct Connect Control Valve  
accepts your choice of Double Acting  
Crimping, Cutting or Spreading Heads

The PDC-2000 features a cutting capacity up to 2".

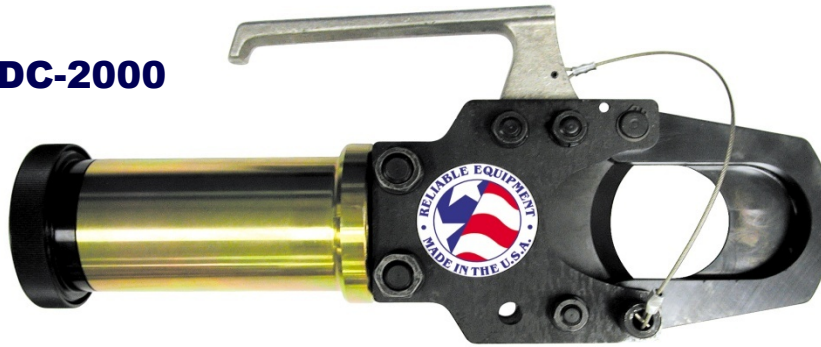
**NOTE:** See product manual for specific capacities  
related to material being cut.



**PDC-2000**



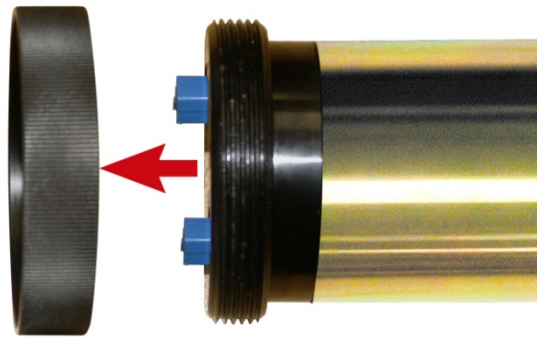
## PDC-2000



## BEFORE CONNECTING

PDC-2000 Compression Head to the PVA 1122 Control Valve.

Disconnect from power source before connecting tool to valve



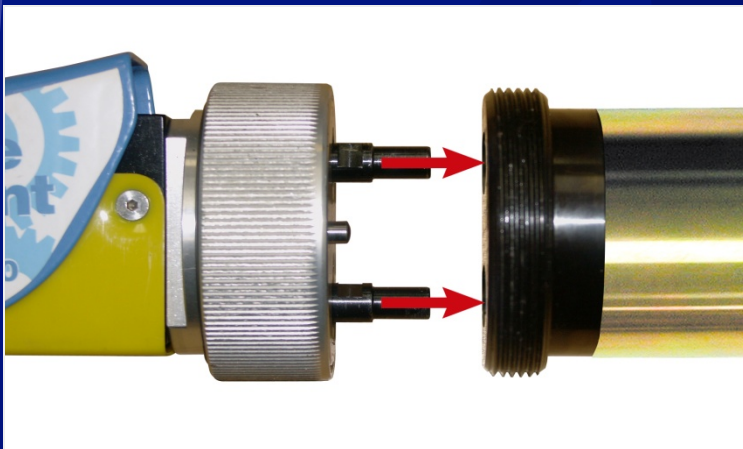
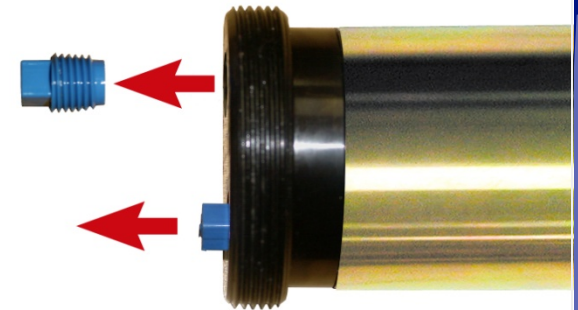
## REMOVE

Thread Protector Ring and Oil plugs from **PDC-2000**

**IMPORTANT**  
DO NOT DISCARD

## CAUTION

Tool threads may be sharp, and may cut operator.



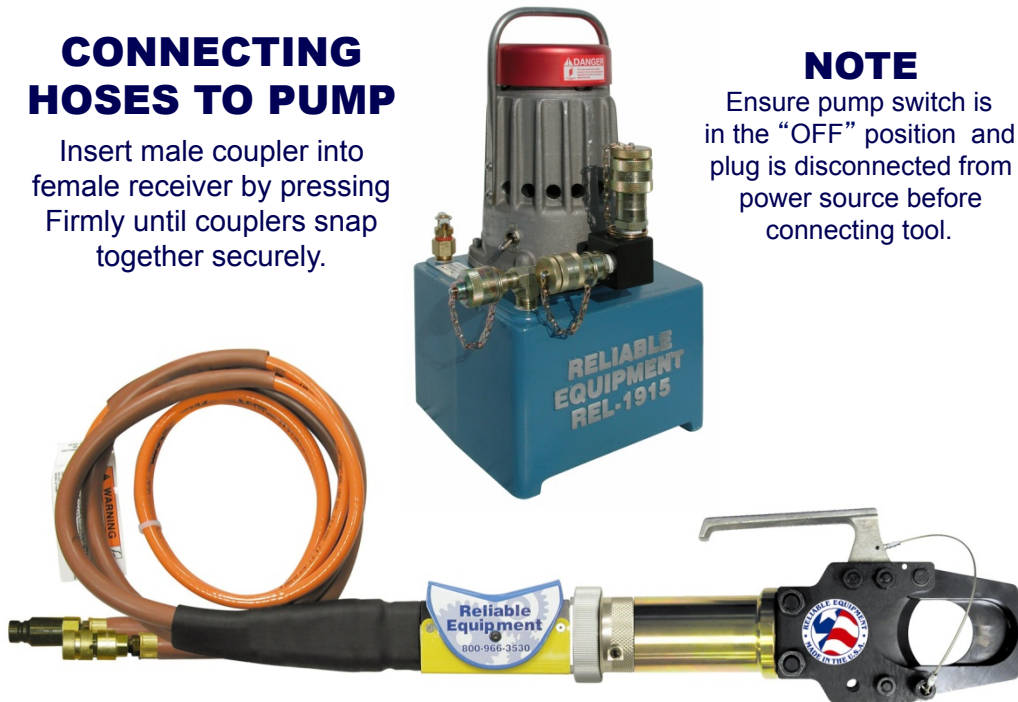
Insert pressure and return ports from valve into corresponding ports on tool head.



Thread collar from valve onto tool threads securing tool to valve completely.

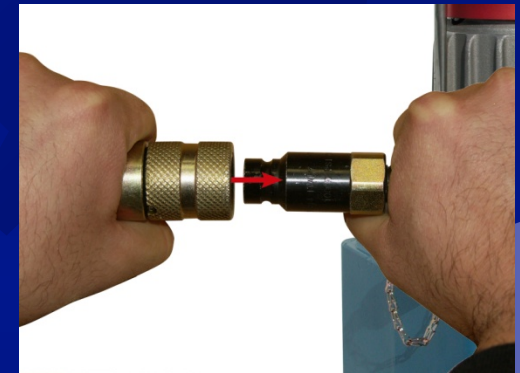
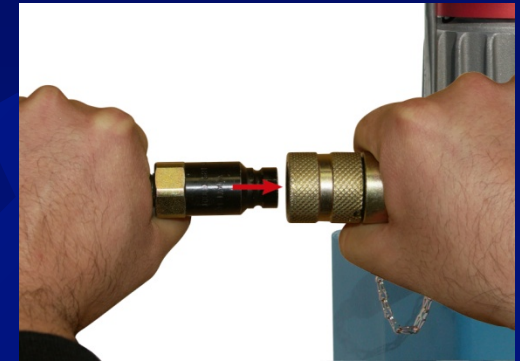
## CONNECTING HOSES TO PUMP

Insert male coupler into female receiver by pressing  
Firmly until couplers snap together securely.



## NOTE

Ensure pump switch is in the "OFF" position and plug is disconnected from power source before connecting tool.



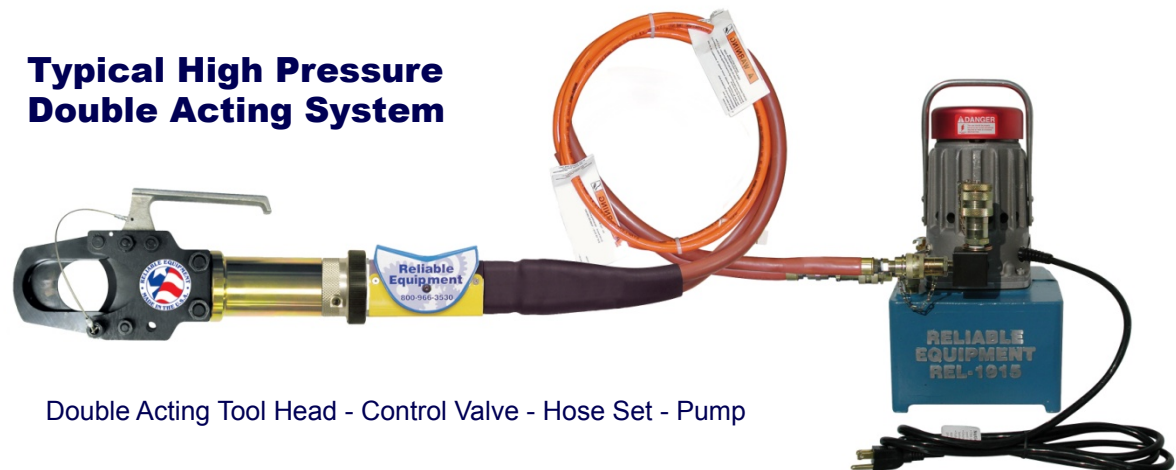
## IMPORTANT



Ensure that lock ball is NOT aligned with notch on coupler release collar.

This will help to prevent accidental release.

## Typical High Pressure Double Acting System



Double Acting Tool Head - Control Valve - Hose Set - Pump



**NOTE: REMOTE HAND SWITCH MAY NOT BE USED  
IN DOUBLE ACTING APPLICATIONS**



**OPEN VENT BEFORE OPERATING.  
CLOSE VENT AFTER USE.**

**CONNECT PUMP TO AN  
APPROPRIATE POWER SOURCE**



### **NOTICE**

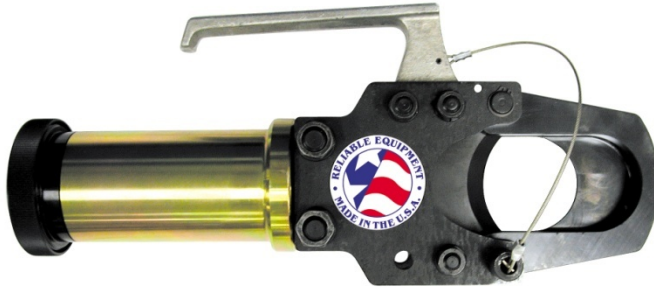
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**MOVE TOGGLE SWITCH INTO THE "ON"  
POSITION TO BEGIN OPERATION**

## PDC-2000

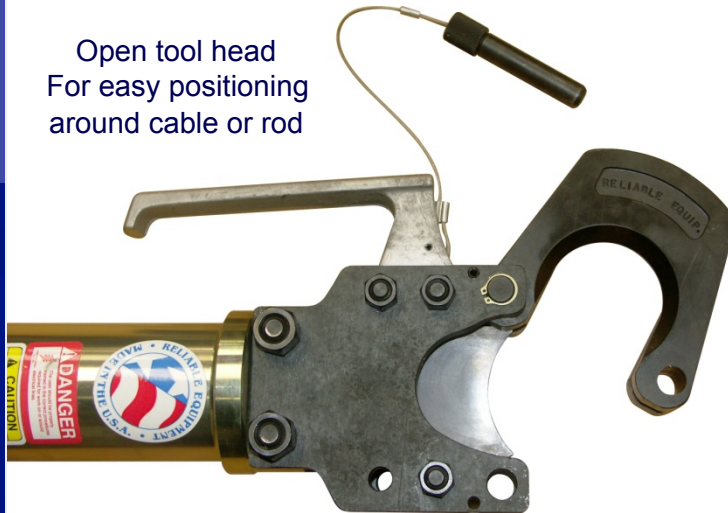


### IMPORTANT

Ensure power supply is "OFF" during set-up.  
Keep hands and all body parts away from cutting zone. Severe personal injury may result.  
Observe all required safety precautions.



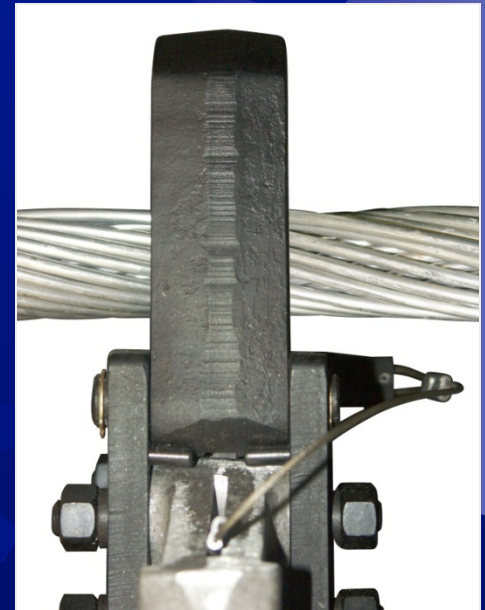
Open tool head  
For easy positioning  
around cable or rod



### IMPORTANT

Tool head must be  
perpendicular to the  
cable or rod.

**NOTE:** Reference  
manual for cutting  
capacities relative to  
material being cut.







Advance to perform cutting operation.



Retract to open blade and clear cable.  
This feature will virtually eliminate tool hang-up.

Valve may be returned to the neutral or hold position at any time during the operation, allowing for tool alignment or operator positioning.

Return to neutral and switch "OFF" at the pump when operation is complete.

