# Hydraulic Hose Crimper

## PC120M Quick Start Guide

Use your smartphone to scan the Continental QR Code to get full access to the operators manuals and training videos.



| PC125M Technical Data |
|---|
| SAP # 21151022 |
| Crimping force: 120 Ton |
| Hydraulic hose capacity: 1" Braided and 3/4" Spiral |
| Micrometer Style Adjustment: Metric |
| Crimper size: L: 8.5" x W: 10" x H: 12" |
| Crimper weight: 58 lbs |
| Die series: PC120M |
| Die length: 60mm |

**Do not forget to buy your power unit that best fits your portable crimping requirements.**

ValPower® Pneumatic
Pump 10,000 psi P/N: 20244932

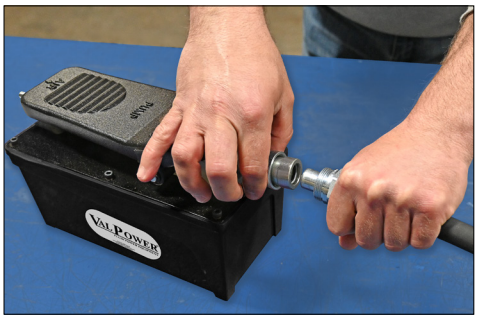
ValPower® Long Hand
Pump 10,000 psi P/N: 20244931

ValPower® Electric Pump 110V-3/4 HP 10,000 psi P/N: 20244916

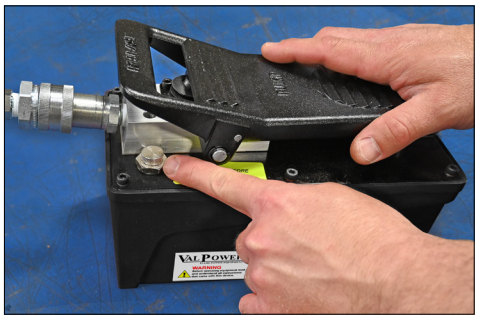
### SAFETY PRECAUTIONS

- Read instructions and identify all component parts before using the crimper.
- Crimper can produce 120 tons of crimping force, keep both hands away from pinch points.
- Consult the Continental Hydraulic Crimp Specifications Manual or via our mobile app - C-IQ for correct crimper settings and crimp measurements.
- Always wear eye protection.

## Initial Setup



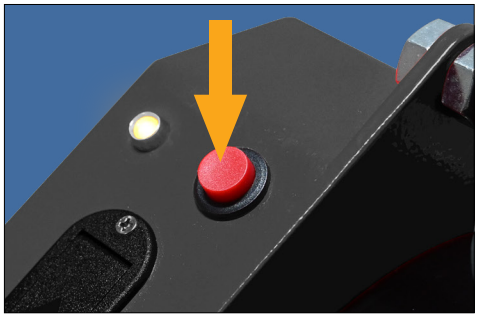

Step # 1



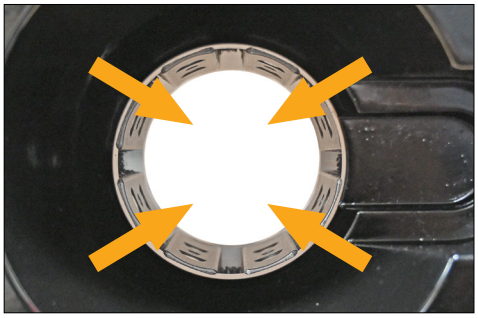

Step # 2

Step # 3


Step # 4



Step # 5



Step # 6

**Unbox your new Continental PC120M Crimper, layout all the components and follow the steps below.**

Note: The PC120M can be paired with either ValPower® Hand Pump, Pneumatic Pump or Electric Pump.

Step # 1: Connect the hose assembly, one end into the power unit's quick connect. *Make sure is tightened property.*

Step # 2: Open the vent plug. *This applies for a pneumatic pump and hand pump.*

Step # 3: Connect the other end of the hose assembly into the crimper's quick connect. *Make sure is tightened property.*

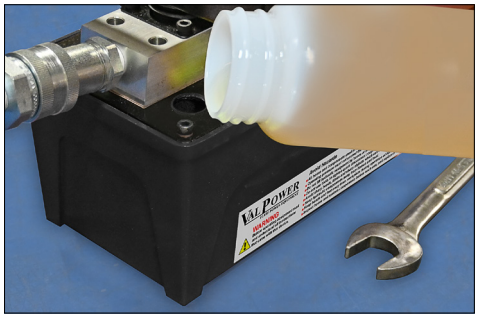
Step # 4: If a pneumatic pump is being used, connect an air line onto the pneumatic pump's fitting. *Otherwise skip this step.*

Step # 5: Press the red button to check the LED light comes on.

Step # 6: Operate the crimper to open and close a few times.

Step # 7: Add 4 oz of hydraulic oil AW46 (supplied with pneumatic pump and hand pump).

Note: Refer to page 4 "*Check Oil Level Procedure*" on how to add oil.




Step # 7

## PC120M Lubrication Procedure

Step # 1

Step # 2

Step # 1: The mini grease gun w/ grease and grease gun nipple is provided with the crimper.

Step # 2: Fully open the crimper's head and use the mini grease gun to lubricate the rear inner back of the cylinder all around where the dies travel in and out. *Use the brush provided to spread out the grease all around as shown.*

Caution: Failure to lubricate this area may result in premature wear and damage. A molybdenum disulfide high pressure grease can be used as well.

## PC120M Crimping Procedure

Step # 1

Step # 2

Step # 3


Step # 4

Step # 5

Step # 6

Step # 1: Set the dial micrometer to the setting as shown in the most current **Continental Hydraulic Crimp Specifications Manual or via our mobile app - C-IQ** for the combination of hose and fitting being crimped.

Note: PC120M specific row.

Step # 2: Select the correct die set for the combination of hose and fitting being crimped.

Note: The correct die set can be found in the **Continental Hydraulic Crimp Specifications Manual or via our mobile app - C-IQ**.

Step # 3: Install the die fingers individually one at a time into the crimper.

Note: Each die finger has a retaining pin where enters in the location hole in the master die. The die finger will click into place when it is properly positioned.

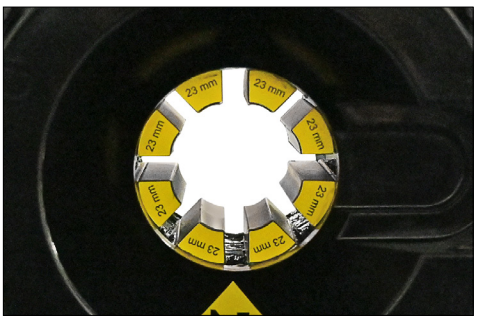
Step # 4: Select the correct hose and fitting for your project.

Note: The correct combination of hose and fitting being crimped can be found in the **Continental Hydraulic Specifications Manual or via our mobile app - C-IQ**.

Step # 5: Insert the hose assembly into the crimper, actuate the power unit (pneumatic pump, hand pump, or electric pump) continue to apply pressure until the LED light indicator turn on to indicate that the crimp is complete. Release the pressure on the power unit to retract the dies and remove the hose assembly.

Step # 6: Check the crimp diameter of the finished assembly with calipers or micrometers, to be certain that it is within the specifications as outlined in the **Continental Hydraulic Crimp Specifications Manual or via our mobile app - C-IQ**.

## PC120M Calibration Procedure




Step # 1

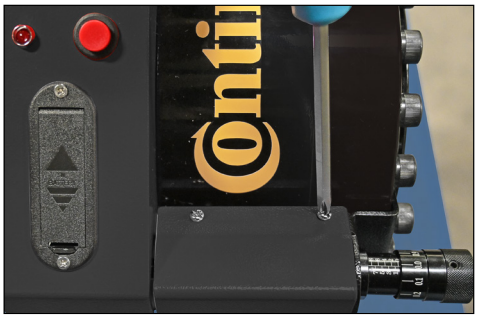

Step # 2

Note: All settings are approximate, for minor adjustment adjust the dial micrometer as needed. If the crimp diameters are consistently too tight or consistently too loose, follow the next steps to recalibrate the PC120M crimper.

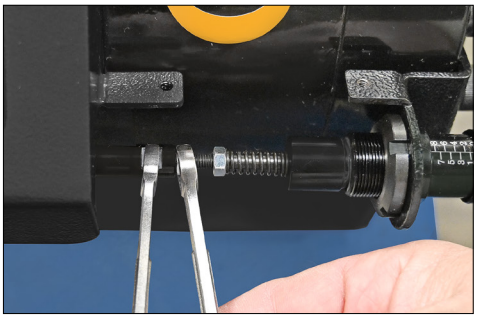
Step # 1: To get an accurate calibration, make sure that the crimper's head is fully open.

Step # 2: Set the dial micrometer at "0".

## PC120M Calibration Procedure



Step # 3



Step # 4

Step # 5

Step # 3: Use a Phillips head screwdriver to remove the micrometer's protective cover.

Step #4: If your crimp is too loose, loosen the jam nut and the plastic micrometer end cap with a 5/16 inch open end wrenches. Once is loose rotate the plastic micrometer end cap counter-clockwise and tighten the jam nut to get a tighter crimp.

If your crimp is too tight, rotate the plastic micrometer end cap clockwise, and then tighten the jam nut.

Note: 1/4" turn of the plastic micrometer end cap will change crimp diameter approximately 0.008".

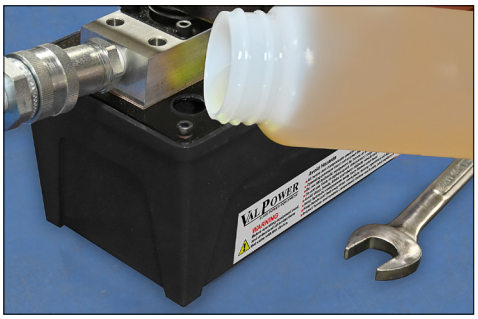
Step #5: Perform a test crimp and additional adjustments as needed to get crimper calibrated.

Note: Once you have achieved your crimped diameter, place the micrometer's protective cover back in place.

## Check Oil Level Procedure

Step # 1

Step # 2



Step # 3

Caution: Before checking the oil level in the reservoir, make sure that the crimper is fully open and is not generating pressure.

The pneumatic pump needs to be disconnected from the air supply.

Step #1. Access the oil filler port by removing the air vent plug with a 21mm open end wrench.

Step #2. Once the air vent plug is removed, check the oil level. The fill line is 1/4 inch from the top.

Step #3. If oil is needed, pour AW46 hydraulic oil into the reservoir. The fill line is 1/4 inch from the top.

Note: After checking / pouring AW46 hydraulic oil into the reservoir, tighten the air vent plug back in place with a 21mm open end wrench. *This procedure applies to the hand pump as well.*

Note: For the electric pump 110V-3/4 HP the fill line is 1-1/2 to 2 inches below the vent plug, the oil should be visible in the sight glass window of the reservoir. If oil needs to be added use ISO 46 wight hydraulic oil.