



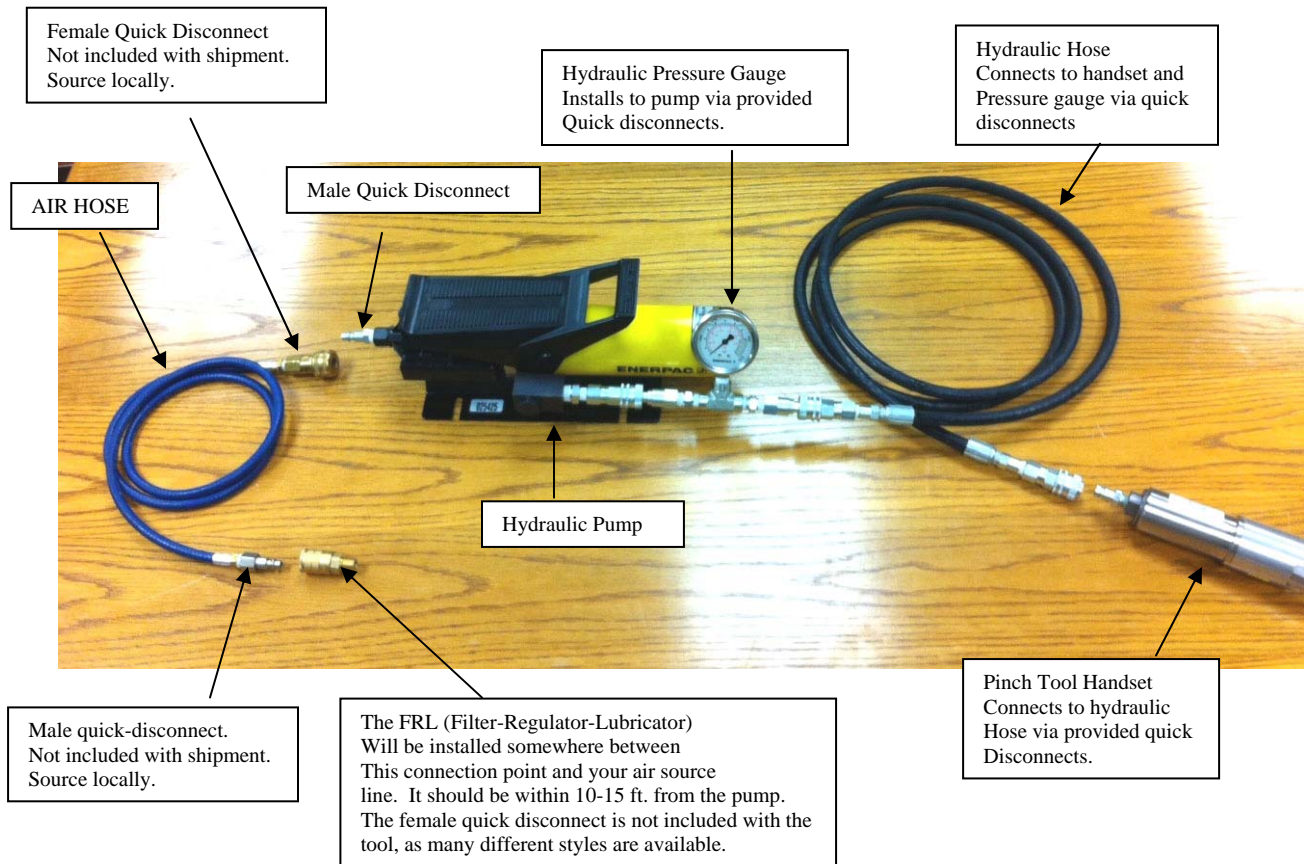
Custom Products & Services, Inc.

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HY SERIES HYDRAULIC PINCH-OFF TOOLS (Equipped with "standard" pumps)

GENERAL ASSEMBLY INSTRUCTIONS





Example of a male quick disconnect
 Than can be used to connect the air
 source hose to the pump. The customer
 can configure the hose and pump fittings
 In any way they choose. This is just an
 example of how most customers make
 the connection. If using the quick-
 disconnects, be sure to use Teflon tape or
 pipe thread sealant on the threads.



Air hose shown equipped with
 Quick-disconnect. Customer can
 Use any fittings or adaptors they
 Choose to connect to the pump.
 Quick disconnects make it easy to
 Separate the pump from the air hose



Hydraulic Pressure Gauge connects to
 pump via the provided quick-disconnect
 fittings. If the gauge fittings are difficult to
 insert, connect the air line to the pump and
 activate the foot peddle to pressure up the
 pump, then release the foot peddle to
 relieve the hydraulic pressure. The
 connections should now install easily.



The black hydraulic hose connects
 To the pressure gauge and handset
 Via the provided quick-disconnects.

NOTE: The hydraulic pump pressure has been preset at our facility before the tool ships. Once the tool is operational, test the tool on your tubing. If for any reason the tubing does not pinch off cleanly, contact CPS. DO NOT attempt to reset the pump pressure without consulting CPS. These pumps are capable of producing pressure up to 10,000 p.s.i. The MAXIMUM hydraulic pressure for your tool should not exceed 4000 p.s.i. Pressure in excess of that level will damage or break the tool, thus voiding any warranty. The pump was calibrated at our facility to match your tube samples provided. The pump should NOT require adjustment.

AIR PRESSURE: The air pressure feeding these pumps **MUST** be set at 100-120 p.s.i. Operating these pumps at air pressure below 100 p.s.i. could damage the internal air motor.

HYDRAULIC PUMP LUBRICATION:

These pumps utilize an internal air motor that requires lubrication. Light air tool oil, such as “Atlas Copco Optimizer Air Tool Oil (or equal), will work fine. Use in conjunction with an in-line lubricator and filter (FRL).

FRL (Filter-Regulator-Lubricator)

The FRL is should be located with 10-15 ft. from the hydraulic pump to insure that sufficient oil is being delivered. There is an internal air motor inside the hydraulic pump that requires lubrication for the rubber seals. Failure to provide lubrication will result in air motor failure and hydraulic pressure will be lost. The FRL’s provided by CPS are fully adjustable to provide varying quantities of air tool oil.

BLEEDING AIR FROM SYSTEM

Although your tool has been tested and cycled prior to shipment, it’s possible that air may be trapped in the system from the shipping process. In the event the hydraulic pinch jaws do not open / close smoothly, it’s likely air is in the system. To bleed air from the system, follow this procedure:

1. Place the pump onto a worksurface.
2. Hold the handset 1-3 ft. “lower” than the pump.
3. Cycle the pump to open / close the jaws
4. Repeat process until jaws operate smoothly.
5. If this does not correct the problem, Contact CPS.