



# THE HILL PUMP **MK5**

5128-005 and 5128-555 Models



**Hill Air Compressor Pump  
Assembly and User Manual**

# 5128-005

## PUMP ONLY ASSEMBLY

TOOLS REQUIRED: 14MM SPANNER OR ADJUSTABLE WRENCH

1 Remove from carton



2 Remove lock ring



3 Fit base plate



4 Replace lock ring tighten by hand



5 Attach handle



6 Attach connecting hose with 14mm spanner



7 Tighten bleed screw by hand



# 5128-555

## PUMP WITH DRY PACK ASSEMBLY

TOOLS REQUIRED: 14MM SPANNER OR ADJUSTABLE WRENCH

1 Remove from carton



2 Remove lock ring



3 Fit base plate



4 Replace lock ring tighten by hand



5 Attach connecting hose with 14mm spanner



6 Remove Dry-Pac from carton



7 Unscrew and remove canister



8 Unscrew and remove cap



9 Pour contents of sachet into canister



10 Level using straight edge to remove excess beads



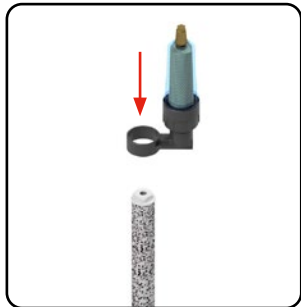
11 Replace cap



12 Replace canister on location arm



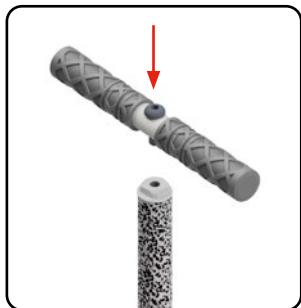
13 Insert location arm on tube



14 Push down over o-rings to contact with shoulder (rotate to required position)



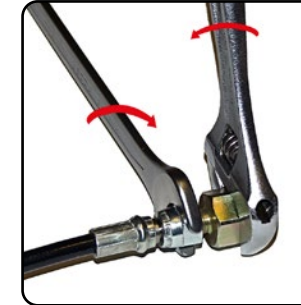
15 Attach handle



16 Tighten bleed screw by hand



## HOSE END CONNECTORS



To attach connectors to the hose you will require two suitable spanners. One to hold the hose and the other to firmly attach the connector. This joint must be tight.

Fully tighten hose connector joint using appropriate spanners.

**DO NOT** use thread seal tape or sealing washers.

## USING THE PUMP

- 1 Ensure bleed screw has been tightened
- 2 Adopt a comfortable, balanced stance
- 3 Keep back straight and flex knees to apply long steady strokes
- 4 During prolonged usage the body of the pump will become very warm. Stop pumping and allow pump to cool down before continuing
- 5 As the pressure increases the pump will require more force (this is normal). The maximum working pressure of the pump is 315 bar (4568 psi)
- 6 Unscrew the bleed screw to release pump pressure



## LUBRICATION

It is recommended that the inner tube is lubricated every 3 months and the internal o-ring is lubricated twice a year with constant use.

Only use Hill silicone grease. Replacement grease is available from [www.airriflepump.com](http://www.airriflepump.com)

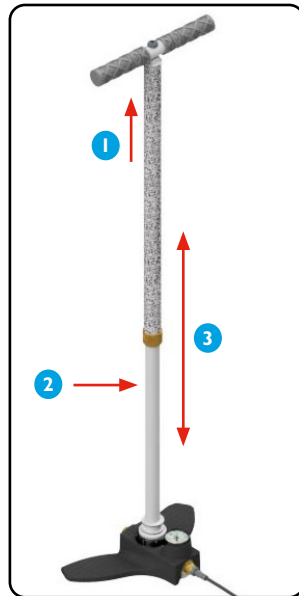
Other lubricants may damage the pump.



**DO NOT USE PETROLEUM/OIL OR PROPELLANT BASED PRODUCTS**

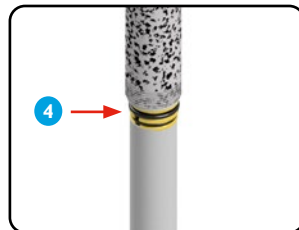
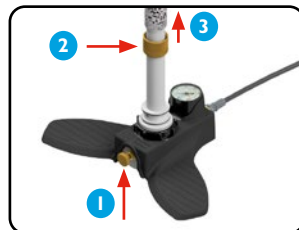
## INNER TUBE

- 1 Raise the pump to the top of its stroke
- 2 Smear a small amount silicone grease around the tube
- 3 Slide the outer tube up and down a few times to evenly distribute the grease



## INTERNAL O-RING

- 1 Unscrew bleed screw to release built up pressure
- 2 Unscrew end cap by hand
- 3 Slowly pull up body tube until top floating o-ring is exposed
- 4 Apply a small amount of silicone grease to the top floating o-ring
- 5 Reassemble pump



**DO NOT USE PETROLEUM/OIL OR PROPELLANT BASED PRODUCTS**

## DRY-PAC REPLACEMENT

Depending on usage and the local relative humidity the Dry-Pac material will eventually become saturated.

The Dry-Pac material should be replaced every 3-4 months when the pump is in use.

If there is any evidence of moisture when releasing the bleed screw the Dry-Pac material should be immediately replaced.

Replacement Dry-Pac material can be purchased from [www.airriflepump.com](http://www.airriflepump.com)

- 1 Unscrew Dry-Pac canister and remove
- 2 Unscrew and remove cap
- 3 Replace Dry-Pac material
- 4 Refit Dry-Pac canister and ensure location arm is still in contact with shoulder



**REPLACE DRY-PAC MATERIAL EVERY 3-4 MONTHS WHEN PUMP IS IN USE**

## TROUBLESHOOTING

Pump becomes stiff to operate

[Lubricate pump in accordance with lubrication procedure](#)

At 50-80 bar the pump becomes difficult to pull upwards and springs back down

[Piston seal kit required. A MK 5 quick service kit can be purchased from \[www.airriflepump.com\]\(http://www.airriflepump.com\)](#)

Gauge needle bouncing up/down

[Non return valve problem. Service as required](#)

Gauge steadily losing pressure

[Bleed screw not tight enough. Hose connections to pump and/or rifle not tight enough](#)

Pump is very easy to operate / not making consistent pressure

[Check internal o-ring and change as required with quick service kit \(can be purchased from \[www.airriflepump.com\]\(http://www.airriflepump.com\)\)](#)

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