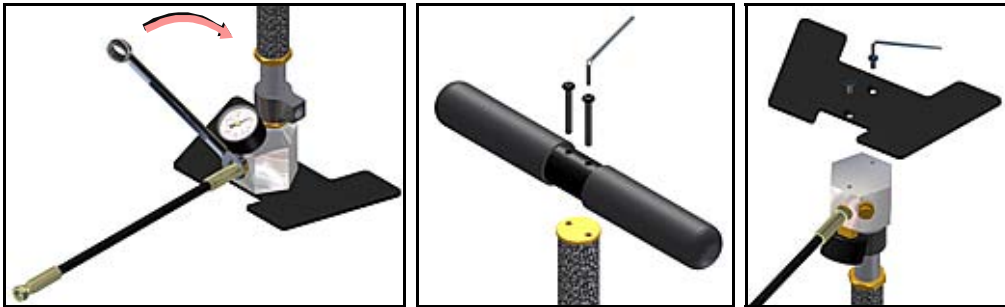


Model 2128 AIR COMPRESSOR PUMP

Operating Instructions

Assembly of pump



Connection to cylinder and charging

- 1) Connect the air hose to the air cylinder and tighten with spanner. Do not over tighten. Note; the supplied air hose is fitted with a 1/8" BSP cone seat swivel connector. An additional adaptor may be required to suit your gun or bottle.
- 2) Close the knurled brass bleed screw by turning it fully clockwise. Finger tightness is all that is required. **Do not use tools to tighten.**
- 3) The pump is now ready to charge the cylinder. Use a full stroke for efficiency.
- 4) The gauge will show a rapid rise in pressure upon initial pumping, gradually rising at a slower rate until the pressure in the pump and the pressure within the cylinder are equalised. The indicated gauge pressure at this point will give a guide to the residual pressure in the cylinder. Continue pumping until the required pressure is indicated. **Do not exceed 230 bar (3300 psi).**
- 5) When working pressure has been achieved (refer to your gun manufacturers specification) open the bleed valve at the bottom of the pump to release the residual air pressure. A built in safety device which controls the rate of air discharge enables the bleed valve to be opened quickly without risk of injury. Disconnect the air hose from the cylinder.
- 6) We recommend pausing pumping after approximately 50 continuous strokes or when the pump body tube feels excessively warm at any time. Failure to do so could shorten the life of the internal seals. Whilst pausing, pumps **without** the Dry Pac option fitted should also have the bleed valve opened to allow excess moisture to be expelled. **It is not necessary** to bleed pumps that have the Dry Pac option **fitted**. Consult the separate Dry Pac instructions on how to maintain moisture free charging.

Precautions

Only use the pump to fill compressed air cylinders used in modern pneumatic air weapons. **Do not use for any other purpose.**
The maximum recommended air pressure for this pump is 230 bar (3300 psi)
Do not exceed the manufacturers recommended filling pressure rating of the cylinder. This could result in injury to yourself or others. Never attempt to recharge a damaged air cylinder
Always use the pump on firm, non slip surfaces and do not kink or flatten the air hose when in use.
Do not use the pump without a fully working pressure gauge fitted. Gauges are robust but can be damaged (particularly the face) by careless handling.
Ensure correct posture for pumping.

Maintenance of the pump

After prolonged use the pump may become harder to operate. This can be caused by a blocked filter; lack of lubrication; or a build up of previously applied lubricant causing stiction of seals and rod. The pump has a specially designed integral micron filter to prevent excess moisture, oil grease or contaminants from entering the cylinder when charging. This filter is easily replaceable and should be changed when it becomes clogged or after extensive use.

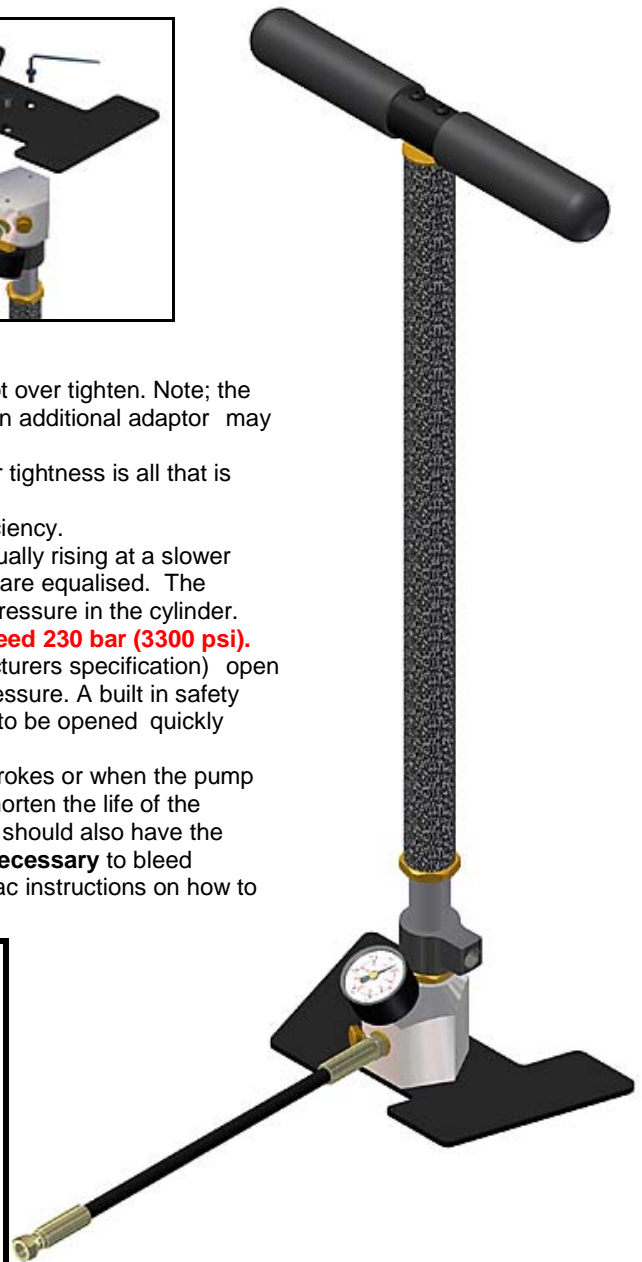
Spare filter kits are readily available. Product Code **Z2128-100**

It is recommended that the pump is occasionally cleaned and lubricated for long life and ease of use. Lubrication should be applied sparingly onto the pump rod and then pumped for a few strokes. Only silicone grease should be used as a lubricant for this pump.

Do not over lubricate. The pump is factory lubricated using our own brand of NLGI 2 Silicone grease.

To order quote Product Code **06R50011**.

DO NOT USE PETROLEUM/OIL OR PROPELLANT BASED PRODUCTS AS A LUBRICANT FOR THIS PUMP.



Universal Dry Pac Kit Z2128-690



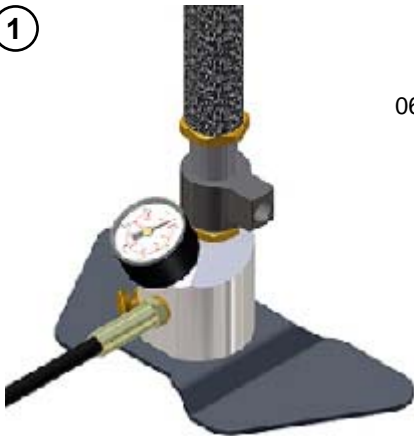
ERNEST H. HILL LIMITED
Sheffield England
www.airriflepump.com

Kit Contents

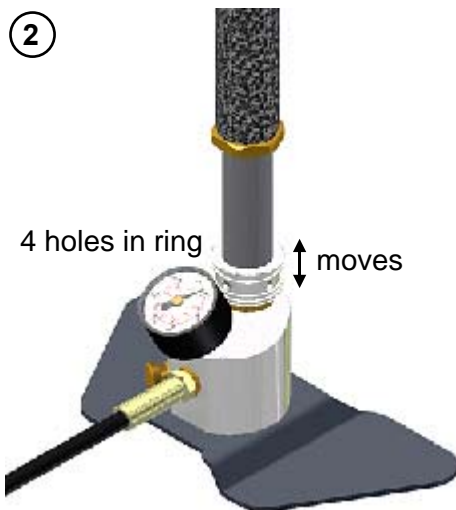


For option 1 unscrew elbow from either plastic fitting and screw into existing fitting on pump

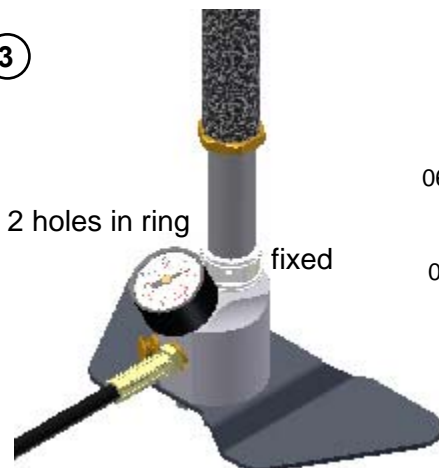
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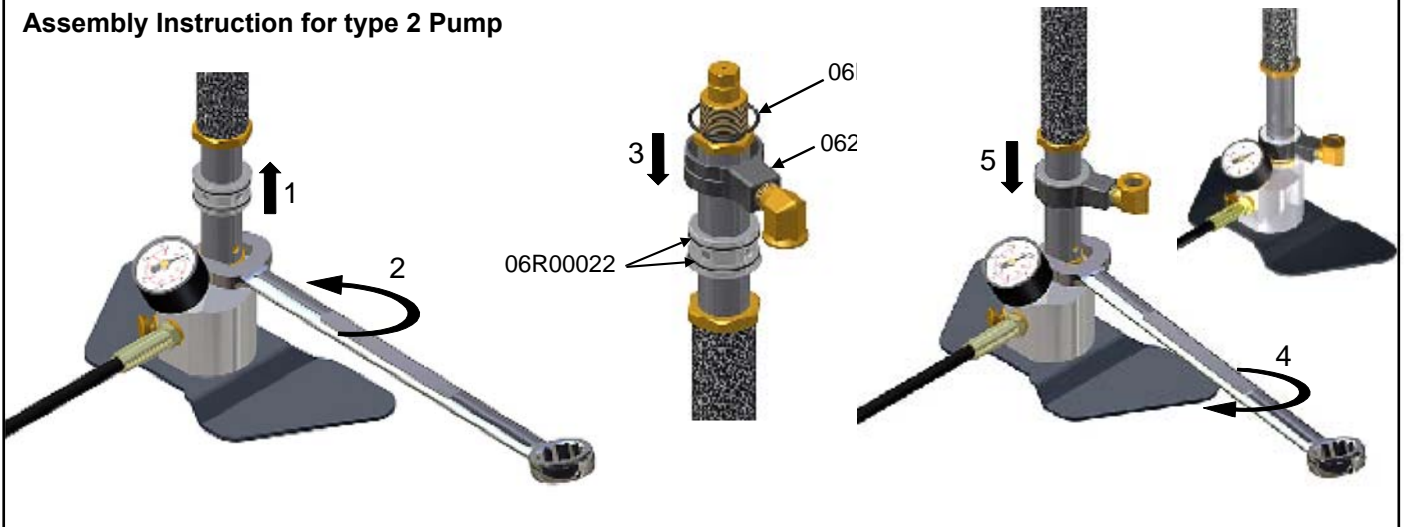
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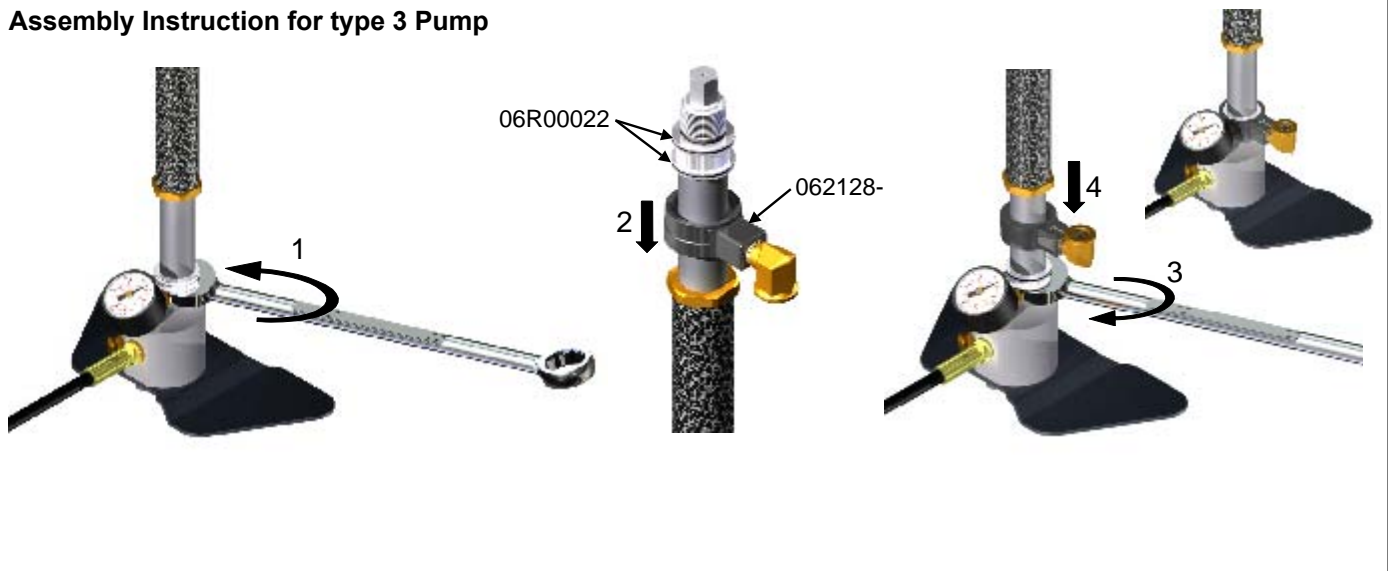
Assembly Instruction for DryPac Unit



Assembly Instruction for type 2 Pump



Assembly Instruction for type 3 Pump



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Q06338 ISO 9001

THE HILL DRY-PAC



What is Dry-Pac?

Dry-Pac is a patented method of extracting moisture from the air passing through hand operated air compressor pumps. We recommend that the Hill Pump is always used with a Dry-Pac.

How does the Dry-Pac work?

As air is drawn into the pump it is forced to pass through a specially selected medium that attracts and removes water molecules from air. The dryer air is then passed through the pump and the second integral micron filter in the normal way. The extraction is a one way process and eventually the medium will become fully saturated and require changing. The Dry-Pac should always be fixed in the vertical position but it can be rotated around the pump and retained by means of the grub screw.

How long does the Dry-Pac medium last?

Our tests show that under average conditions the Dry-Pac medium will be effective for up to four months. In warmer and humid climates, or for users who require optimum quality, we recommend that the medium is changed every 2-3 months. Although the Dry-Pac medium principally works with flowing air, it will continue to extract a small amount of moisture from still air. Therefore we recommend that the medium is also changed if the pump has undergone prolonged periods of storage

Replacement of the Dry-Pac medium

The only replacement medium we recommend is the Hill medium (product code 062128-56). This has been carefully researched and selected to give optimum performance. Do not attempt to use or mix other absorbent materials such as silica gels or dyed markers. These products have entirely different properties and will impair the correct functioning of the Dry-Pac.

Regeneration

There is currently no method of regenerating the medium in domestic circumstances. The medium should always be replaced with a fresh sachet. **Do not** attempt to heat or microwave the medium.

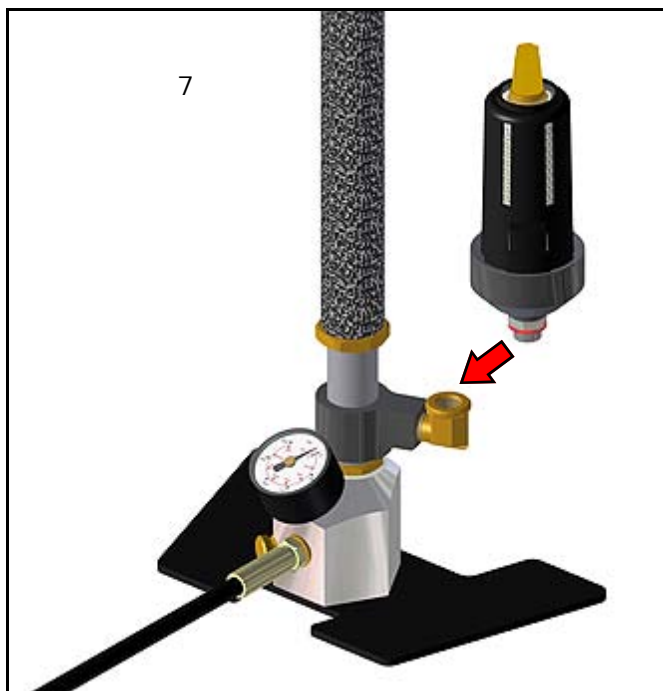
Environmental

The Dry-Pac medium is an **environmentally safe product**. Being a synthetic copy of a naturally occurring product it will have no detrimental effect on disposal in any normal waste treatment method. It is non toxic and can be handled and disposed of safely. Normal precautions should be taken when handling or storing the medium within the vicinity of children and pets. Although not harmful if swallowed it may cause the symptoms of slight dehydration.

Dry-Pac Medium Storage

The Dry-Pac medium is supplied in vacuum packed sachets with the optimum quantity to refill the Dry-Pac cartridge. Due to the nature of the medium, ambient temperature may cause expansion or contraction of the foil container. This is normal and has no detrimental effect on the life of the medium. Heat may cause the foil to expand like a balloon, cold may cause a "shrink wrap" condition. Providing the foil sachet remains intact the medium will not be impaired under most storage conditions.

DRY-PAC Patented Dry Air Flow System



Ernest H. Hill Ltd
SHEFFIELD - ENGLAND
www.airriflepump.com