

laintenance Man HILL'S MK5 PUMP



ast month, I was any airgun, always chatting with a have the work done by a recognised customer about the expert use of moisture traps on a stirrup pump, and then by sheer coincidence, I was contacted by Jonathan Merrick, from Hills Pumps in Sheffield, regarding their updated stirrup pump with their new patented dry pack. Hills have been manufacturing pumps and lubrication equipment since 1841. The stirrup pump is an 'at home' solution for anyone with a PCP air rifle because it enables the user to fill their PCP tank without the need of a compressor or dive bottle.

The Mark 5 stirrup pump has been developed to make it 20% easier for people to use, capable of filling up to 300 bar pressure and it has been redesigned so that the end-user can more easily service their stirrup pump themselves, simply by purchasing a service kit. It has been upgraded with a more userfriendly, dry-pack system that gives a visual indication of when the dry pack beads need to be changed and the

new pack comes with a pack of orange indicator beads, as well as the first replacement pack. Further packs can be purchased

directly from Hills. One of the additional benefits of this dry-pack system is that it can be retro-fitted to previous stirrup pump models, so this month, I am going to talk it through, showing how it fits to the pump and how it works.

- This shows the two parts that make up the dry-pack system when new.
- After use, when ready to be changed, the indicator beads change from orange to green.
- The refill pack; one replacement pack Ine reini pack, one spanner included with the new pump, further replacements available from Hills.
- Carefully open the refill pack; the desiccant beads are in this outer bag, with an inner bag of replacement colourchanging beads.

- Pour the entire bag of the colourchange beads into the top of the clear housing.
- Then fill to the top with the desiccant beads.
- Screw the clear housing to the filter
- Unscrew the pump handle, this will allow you to fit the dry pack.
- The dry-pack system is compatible with any Hills pump that is fitted with this housing.
- Slide the ring of the dry-pack housing down the handle of the pump, ensuring that it fits securely over the housing shown in the previous picture.
- This shows the dry-pack system fitted correctly and the stirrup pump can now be used. As air is drawn in through the brass filter, is passes through the beads where any moisture is trapped.

64 AIR GUNNER www.airgunshooting.co.uk



This month our resident technical expert, Richard Nash, explains how to use the Hill dry-pack system





(





















www.airgunshooting.co.uk AIR GUNNER 65





lacktriangle









This is the back page of the assembly and user manual, showing how to replace the dry pack should you need to refer to it.

This is the colours of the beads as they change through the cycle from new to needing to be replaced. Although it will vary with usage, the dry pack is expected to be effective up to four months.

This is the information guide included in the new Mark 5 stirrup pump.

During my meeting with Hills regarding the new dry-pack system, we discussed how easy it is for moisture damage to occur on a rifle, mostly unseen or hidden within the components. As you can see from this picture, the cylinder is showing extensive rust right from the threads, due to the rifle being filled with a stirrup pump WITHOUT a moisture pack.

To reduce this risk of moisture getting into your rifle significantly, it is imperative that a moisture trap/dry-pack system is used.

NEXT MONTH

Some of you will remember that I have featured the previous Hills Mk4 Pump in Air Gunner Magazine, August 2019, and also a factory visit and EC3000 compressor review in the January and February 2022 issues. Next month, I will show you how to service the Mark 5 stirrup pump with the new service kit.

66 AIR GUNNER www.airgunshooting.co.uk