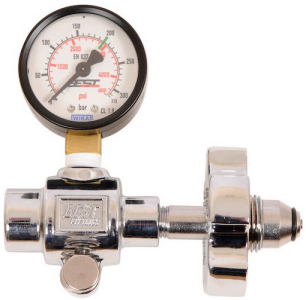
Procedure for Filling a Standard Pre-Charged Air Rifle or Pistol using a 200/300 BAR DIN, 'A' Clamp (K Valve) or BOC B/N Cylinder Valve and BEST Fittings Push Button Bleed Air Gun Charging Kit

200/300 BAR DIN

'A' Clamp (K Valve) 230 BAR MAX



BOC Bull Nose

- Attach the Charging Kit to the cylinder valve by means of the Clamp or Hand Wheel.
- Assuming that the appropriate connecter for filling the gun has already been fitted to the fill line, attach the connector to the gun.
- For “Buddy Bottle” systems, i.e Theoben Rapid, BSA SuperTen etc, you can screw the buddy bottle directly into the charging head where the hose would usually go. Please ensure that the hard white seal supplied with the kit is in place before screwing the buddy bottle onto the system, as the bottle valve seals against this.
- Now **SLOWLY** open the valve on the cylinder. The pressure displayed on the gauge will rise steadily until it equalises with the pressure inside the gun. At this point there is usually a pronounced click, or a squealing noise as the fill valve on the gun opens. This is quite normal.
- The pressure shown on the gauge will then continue to rise at a slower rate as the gun reservoir fills.
- When the recommended fill pressure of the gun is reached, usually between 180 and 190 BAR, (higher for some FAC guns), close the cylinder valve. Do not be tempted to overfill the gun to try to gain more power, as this will actually reduce the power output until the recommended maximum fill pressure is reached.
- Allow the gun to rest for 5 – 10 seconds and if required top up the pressure to the recommended level, closing the cylinder valve fully on completion.
- **See Important Note 1 overleaf.** Now press the Push Button Bleed Valve located on the bottom of the charging head to release the air in the valve head and hose. There will be a short blast of air as the stored pressure within the primary charging system is released. Press again a few times to release any air pressure stored behind the flow restrictor.
- Now you can safely remove the fill connector from the gun.
- The process is now complete and you can remove the Charging Kit from the cylinder valve.
- All of our kits are fitted with a flow restrictor. For more information, **Please see Note 2 overleaf**.

web: www.best-fittings.co.uk email: technical@best-fittings.co.uk

Tel: #44 (0) 1747 312679

NOTES:

Note 1.

On some guns with detachable air reservoirs the fill probe mechanically opens the fill valve when connected. The gauge on the charging kit will register the gun reservoir pressure when connected even though the cylinder valve is closed. This is nothing to be concerned about.

However, because of this, it is necessary to unscrew the reservoir one complete turn from the fill adaptor prior to bleeding the system. Failure to observe this procedure will cause the air in the gun reservoir to vent back out through the bleed valve.

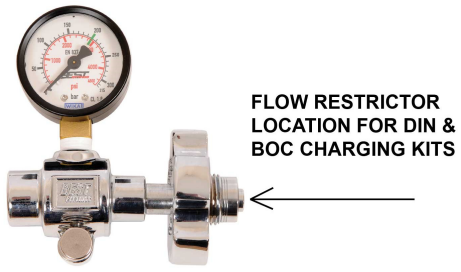
Note 2.

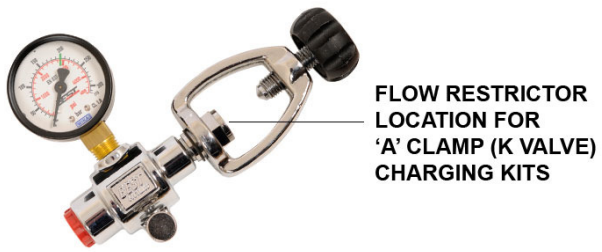
There is a flow restrictor fitted into the inlet stem of the BEST Fittings Push Button Bleed Charging Kits that helps prevent flash filling of your equipment. If you require a faster flow through the charging head, the M5 grub screw can be loosened or removed with a 2.5mm allen/hex key as supplied with the kit.

You can remove the flow restrictor without dismantling the unit using the 2.5mm hex key supplied.

For the 'A' Clamp (K Valve) you will need to hold the stem with a 19mm (3/4 AF) spanner on the hex section inside the clamp frame to prevent the stem from rotating.

Please see below for the position of the flow restrictor screws.





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