



# aquapurge

purging compounds  
for the plastics industry



## PVCPurge

### Notes and Tips

Performed and reported by: John Steadman, Technical Director

Date: 8th December 2016



Aquapurge Ltd, Unit 2, Argent Trade Park, Pump Lane, Hayes, Middlesex UB3 3NB



+44 (0) 20 8813 7990



enquiries@aquapurge.com



## Note and Tips

### PVC Purge

**PVC Purge** is a PVC based (K65) organic co-stabilised scrubbing purge for injection moulding, blow moulding and extrusion machines processing PVC. It is highly filled with Aquapurge's soft organic scrubbing concentrate which mechanically scrubs carbon off the internal surfaces. It is designed to remove carbon NOT keep it away, it is not a substitute for your Freeze. In other words, if you are getting carbon specs or burn marks in your PVC product, purge with **PVC Purge**, go back to PVC and start running again.

**PVC Purge** is highly stabilised but the scrubbing concentrate is much more efficient at conveying heat than polymer materials. As such, **PVC Purge** should not be left in a machine for longer than 5 minutes, either purge early with PVC, a PVC freeze or continuing to purge with **PVC Purge** until ready to start.

Use **PVC Purge** as a start-up purge NOT a shut-down Freeze

### Clearing out PVC Purge efficiently

**PVC Purge** has a stiff flowing carrier which gets more viscous with increased residence time. For this reason, it is profoundly important that **PVC Purge** should NOT be purged out with a Polyethylene as materials such as LDPE will slide over the **PVC Purge**, allowing it to degrade and therefore making it impossible to purge out. **PVC Purge** must be purged out with your PVC or PVC Freeze until completely removed. If your process is blow moulding, you may then use a polyethylene to clear out the PVC and shut down if required.

### Using PVC Purge for mechanical strip-downs

Once purging has finished and **PVC Purge** looks clean, immediately start stripping equipment always removing **PVC Purge** whilst hot. If during strip-down it is possible to run the machine safely without restrictions (dies, nozzles etc.), running a further small quantity of **PVC Purge** will result in the purge extruding un-melted in a powder form. This will further aid dismantling of the equipment.

Never put equipment with **PVC Purge** residue attached into a heated pyrolysis oven to clean

## **Re-use of PVC Purge**

Unfortunately, due to the efficient transfer of heat through our scrubbing concentrate, after one pass through the machine, **PVC Purge** is now too viscous to be cleared out effectively by PVC. Therefore, **DO NOT REUSE** the **PVC Purge**. It should be disposed of through your normal waste collection system.

## **Covering conveyors, calibrators and machine beds**

Not all the scrubbing concentrate of **PVC Purge** is bound in the parison/extrudate/purge. It is therefore important to cover equipment, put in a purge tray or remove the tops and tails conveyor so that the scrubbing concentrate does not get into the closed loop reclamation system or on to moving surfaces.

