**HACOP Universal**

**Motorised Barrel Pump UV 580**

UV 580 is a widely accepted barrel and container pump for handling highly fluid and medium viscosity liquids.

The UV 580 is designed for both portable and stationary use and is ideal for industries like pharmaceuticals, cosmetics, food, beverages, distilleries, etc. Its versatility, portability, and the sophisticated yet simple engineering design ensures efficient and reliable operation which makes UV 580 indispensable.

**Pump Tube Construction:**

The UV 580 pump tube is constructed out of most versatile material-combination i.e. pump tube in PP & shelling in SS 316 and covers 90% of your applications and can be used whenever the PTFE materials are compatible. All other material parts are either in PTFE or in graphite.

The L/UV580 is available in three different pump tube lengths (i.e., ~760, 1080, and 1390mm), so as to suit your requirements.

The UV580 has been designed such that it can be used for various containers ranging from 50 litres to 5000 litres.

**Identification:**

It has been observed that many times unknowingly the equipment is not used correctly. To avoid this situation as well as to assist users in easy maintenance, HACOP has identified the product by colour code. The UV580 is yellow and will carry a Yellow Flag at its neck (as shown in the last page) which will enable users to prevent it from incorrect use.

- Do not use UV 580 E for handling flammable liquids.

**Technical Specifications**

HACOP UV 580 is available with two drive options - UV 580 E and UV 580 P.

- **UV 580 E:** 550 watts, 1500 rpm, single phase universal motor operating on 230 volts, 50/60 Hz, C.C. supply, with a shock-proof, artistic, frame, and cushioned design making the motor almost unbreakable.
- **UV 580 P:** (Flame Proof) Operates on compressed air either at 4 to 6 bar pressure with an air consumption at 0.5 CFM and can be used for continuous operation. Use of FR1 Filter Regulator on UV 580 is recommended prior to motor installation.

**Operating Data:**

- **Flow Rate:** Max.: Up to 150 Lpm (UV 580 E), 110 Lpm (UV 580 P)
- **Discharge:** Max.: 120 Lpm (UV 580 E), 90 Lpm (UV 580 P)
- **Max. Pressure:** 10 bar psi (UV 580 P)
- **Max. Pressure:** 6 bar psi (UV 580 E)

**Performance Curves:**

- **Flow Rate vs. Pressure:**
  - **UV 580 E:**
    - 50 Lpm: 4 bar
    - 75 Lpm: 7 bar
    - 100 Lpm: 9 bar
  - **UV 580 P:**
    - 50 Lpm: 4 bar
    - 75 Lpm: 7 bar
    - 100 Lpm: 9 bar

**Applications:**

- **Engineering Industry**
- **Chemical Industry**

**Highly Recommended Uses:**

- **Medical Industry**
- **Pharmaceutical Industry**
- **Cosmetics Industry**
- **Food Industry**
- **Beverages Industry**
- **Distilleries Industry**

**Note:** For continuous operation above specifications are subject to change without prior notice.