



## VERDERFLEX **iDURA PUMP**

With integrated inverter

### **Your benefits**

- Complete Dura hose pump
- Single or three phase IP66 inverter
- Integral hose burst detection



*The Verderflex iDura is now available for the advanced Dura 5 to 35 hose pump generation.*

The iDura option is a complete “ready to use” Dura hose pump and includes:

- A complete Dura hose pump
- A single or three phase IP66 inverter
- integral hose burst detection

#### **4 P's – Plug and Play installation**

The iDura dramatically simplifies on site installations to a 4 step process:

- Plumb (into the piping),
- Power (connect the power supply and optionally, 4 to 20mA speed control input),
- Program (set the flow using the inverter's potentiometer)
- and Pump (the liquid).



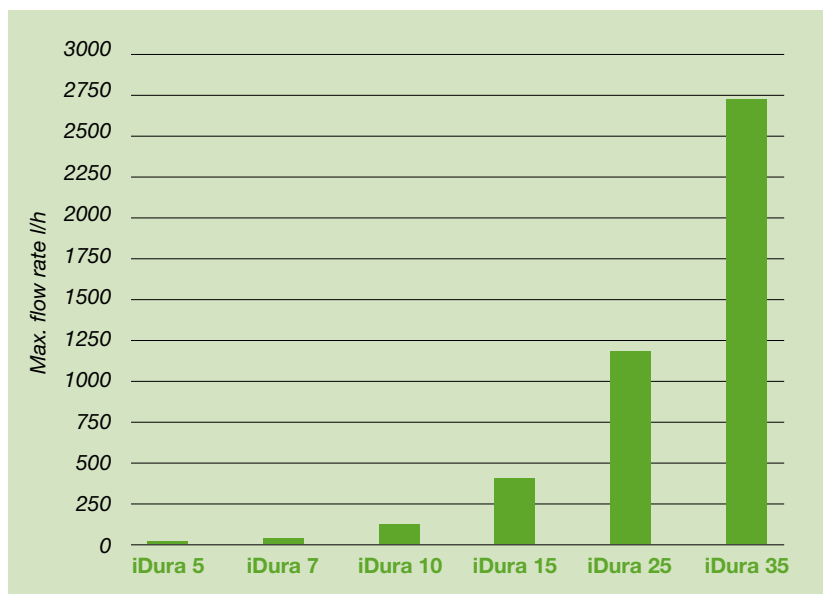


**Flow rate flexibility as standard**

Every iDura has built in flow rate flexibility: Users can easily increase or decrease the pump’s flow rate using the inverter’s controls to accommodate normal production variations.

Flow rates can simply be changed using the inverter’s potentiometer and it’s easy to see because helpfully, every iDura is pre- programmed with the nominal flow rate for its size and shows the pump’s flow rate. This eliminates the need to calculate what speed is needed for a target flow rate.

**Which iDura do I need?**



The iDura series contains 6 pumps that deliver maximum flow rates from as low as 22.5 l/h to 2744 l/h – simply select which iDura by looking at the chart or contact Verder’s engineers.

**Integral hose burst protection**

Additionally, the pre-wired hose burst protection uses the same display to show when it has automatically stopped the pump eliminating additional controls and wiring.

**Local Pumping Controls**

The iDura’s control panel includes forward and reverse pumping direction controls. These can save time clearing blocked feed lines, save money by recovering valuable flavourings, essences and chemicals or they can simply help speed up an infrequent hose changeover. However, such controls can be abused and the they are lockable to prevent unauthorised access.



*Flow rate flexibility*



*Local display of activated protection*





Current



Power



### Local diagnostic information

The iDura forms part of a pumping system and in the real world pumping systems sometimes have problems. The iDura can provide helpful diagnostic information by showing the absorbed power, the current being drawn, the inverter frequency and the pump speed.

### Power options

The iDura 5 to 25 versions can be supplied to work on either standard 230V 1 phase 50Hz or 3 three phase 400V 50/60Hz supplies. The largest iDura 35 can only run on 3 phase power.

### External speed control

The iDura comes as standard with a 4 to 20 mA current loop input and this can be scaled by programming the inverter.

Similarly, MODBUS® RTU and CANBUS® digital communications are also on the standard iDura but require more sophisticated “expert level” programming and commissioning typical of such powerful networking.

## The Verderflex iDura

Simple, ready to use pumping

- ✓ Plumb
- ✓ Power
- ✓ Program
- ✓ Pump

