

# HEAT SENSE ISO SENSE



ENERGY METERING RANGE

## HEAT SENSE VALVES PRODUCT DETAILS

The **Heat Sense energy metering range** from Pettinaroli UK is set to change the future of water distribution systems. By adapting simple Ball Valves, the Heat Sense range makes inserting probes to measure temperature and isolation easier than ever. It offers **time and cost savings** over a conventional assembly arrangement, and as it **reduces the amount of valves and fittings required** it offers massive savings on parts, labour costs and future maintenance costs.

## HEAT SENSE VALVES APPLICATIONS

The Heat Sense temperature probe Ball Valve is a **nickel plated full way valve** with a butterfly handle. It isolates on both sides with its unique seating system and has a hole machined in the bottom portion and a small port machined to suit a Heat Meter probe. This allows a Heat Meter probe to be installed with **minimal disruption or water loss** when the valve is isolated. Once inserted, the probe sits in the water it is to measure.

## HEAT SENSE VALVES RANGE

Available in **sizes** 15mm ( $\frac{1}{2}$ " to 20mm ( $\frac{3}{4}$ " and rated for 25 bar working pressure (PN25), the valve is suitable for **working temperatures** from 0°C up to 100°C due to the use of high temperature Viton stem seals.

## FEATURES & BENEFITS

- ✓ Quarter turn
- ✓ PN16 rated from 0°C to 100°C
- ✓ PN25 rated from 0°C to 100°C
- ✓ Nickel plated body
- ✓ Isolates on both sides to allow minimal loss of water
- ✓ Ease of access to take temperature readings from the system
- ✓ Minimal disruption to the system when readings need to be taken
- ✓ Threaded end connections ISO 7/1 (BSP female)
- ✓ The body, ball and stuffing box are manufactured in high quality brass to BS12420 & CW617N
- ✓ Full bore design reduces head loss in the circuit or sub circuit where the valve is installed
- ✓ Nickel plated body



## ISO SENSE

**ISO Sense** is the perfect isolation solution from the **Heat Sense** range, allowing a single valve to **connect to Heat Meters** whilst having **the versatility of connections** that suit the installer's requirements. The ISO sense valve comprises of a nickel plated ball valve with butterfly handle.

The ISO Sense valves are available with a number of different connection types:

- IV  $\frac{3}{4}$ " Swivel union x  $\frac{1}{2}$ " Female BSP
- IV  $\frac{3}{4}$ " Swivel union x  $\frac{3}{4}$ " Female BSP
- IV 1" Swivel union x  $\frac{3}{4}$ " Female BSP
- IV 1" Swivel union x 1" Female BSP
- IV  $\frac{3}{4}$ " Swivel union x  $\frac{1}{2}$ " Male BSP
- IV 1" Swivel union x  $\frac{3}{4}$ " Male BSP



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