

WATER VAPOUR

97500-0 FREEZE VALVE



97500-0

ASTM D2713; IP 395; ISO 13758

- Moisture test for propane type LPG
- Standard gas bottle connection
- Particle filter

A go/no-go tester for water vapour content in propane type LPG. The time taken for an orifice to block with ice when LPG flows through it at normal vapour pressure gives an indication of the tendency for malfunction in pressure reduction systems.

The valve has two operating positions, full flow for chilling/purging and restricted flow for testing and is fitted with a particle filter. Suitable for standard gas bottle connection.

SUPPLIED WITH: carry case and instruction manual.

SPECIFICATIONS

Size (HxWxD):	20 x 4 x 4cm
Weight:	1kg

ACCESSORIES – Freeze Valve

REQUIRED

22750-2 DIGITAL STOPWATCH, (for details see page 141).

CONSUMABLES – Freeze Valve

2 Years / 2000 Tests	Qty
97500-002 FILTER ELEMENT & GASKET	1
97500-003 BODY GASKET, pack of 5	1
97500-005 RETAINING RING, pack of 10	1

22110-0 DRYNESS TESTER

22110-0



GPA 2140

The 22110-0 Dryness Tester gives an indication of the dryness of Commercial Propane and Propane HD5 by colorimetric indication.

The tester comprises inlet valve, cooling coil, capillary orifice, glass tube, metal shield, protective caps and pressure gauge, 0 to 4 bar (0 to 60 psi).

In operation, a cotton wool plug impregnated with Cobalt Bromide is exposed to the vapour under pressure. A colour change indicates "Wet" or "Dry" in accordance with GPA 2140.

SUPPLIED WITH: instruction manual.

SPECIFICATIONS

Size (HxWxD):	15 x 32 x 10cm
Weight:	3kg

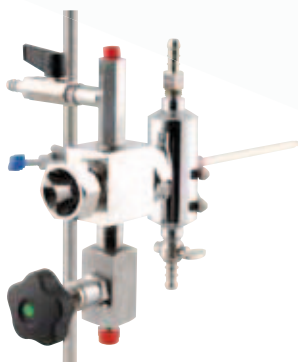
ACCESSORIES – Dryness Tester

REQUIRED

16990-005 SETA ICE BATH, comprises an unsilvered dewar flask mounted in a wooden case with viewing windows.

Note: Other items which may be required include Cobalt Bromide plugs.

22120-3 DEW-POINT APPARATUS



22120-3 (Thermometer supplied separately)

ASTM D1142

- Bureau Of Mines type
- Accuracy $\pm 0.1^{\circ}\text{C}$

To determine the water vapour content by measuring the dew point. The sample enters a stainless steel chamber and passes across a mirror cooled by a refrigerant. The temperature at which water vapour starts to condense on the mirror is indicated by a thermometer, viewed through a pressure-resisting window.

SUPPLIED WITH: instruction manual.

SPECIFICATIONS

Size (HxWxD):	20 x 20 x 10cm
Weight:	5kg

ACCESSORIES – Dew Point Apparatus

REQUIRED

SETA PRESSURE GAUGES

- 15600-0** 0 to 13.8 bar (0 to 200 psi).
- 16440-0** 0 to 8.3 bar (0 to 120 psi).
- 22121-0** 0 to 4 bar (0 to 60 psi).
- 22122-0** 0 to 40 bar (0 to 600 psi).
- 22123-0** 0 to 70 bar (0 to 1 000 psi).
- 22124-0** 0 to 140 bar (0 to 2 000 psi).

THERMOMETERS

- 22125-0** 0° to +100°F.
- 22126-0** -40° to +250°F.
- 22127-0** -40° to +460°F.

OPTIONAL

22128-0 TRIPOD, with adjustable legs, for field use.

22130-2 SETA PRE-COOLING APPARATUS



22130-2

ASTM D1837; D2158; IP 317; NF M41-012

Comprises a soft copper cooling coil in a wide-mouth dewar flask, supported in an insulated metal case. An outlet valve controls the flow of liquid.

SPECIFICATIONS

Size (HxWxD):	50 x 20 x 20cm
Weight:	3kg

ACCESSORIES – Pre-Cooling Apparatus

REQUIRED

- 22160-0** RECEIVER, 100ml, borosilicate glass, for use with the mercury freeze method, pack of 3.
- 22170-0** WEATHERING TUBE, 100ml, graduated centrifuge tube, borosilicate glass, pack of 3.
- 22180-0** SETA WATER BATH, brass, for (ASTM D1837).

THERMOMETERS:

ASTM99F and **87500-0** Brass Thermometer Case (for ASTM D1837).
ASTM5F/IP1F or **ASTM57F** (for ASTM D2158).
ASTM5F/IP1F or **ASTM5C/IP1C** (for IP 317).