Sensistor® ILS500 F Leak Detection Filler

Sensistor® ILS500 F is a tracer gas filler with complete tooling and gas filling functions. The versatile unit can be combined with both hydrogen and helium INFICON leak detectors. The ILS500 F can perform a complete test sequence, from gas injection and evacuation to tooling connection and disconnection, gross leak test, vacuum decay test, pressure decay test, blockage test and recipe handling. Available also in high pressure version, ILS500 F eliminates the need for time-consuming manual tracer gas filling and significantly improves test quality assurance.

ADVANTAGES

- Complete tooling and gas filling function for high-quality leak detection
- Eliminates the need for time-consuming manual tracer gas filling
- Less operator dependence - full control over all test steps
- Significantly improves test quality assurance
- Compact unit, simple to combine with all INFICON leak detectors
- Shorter cycle times
- The system uses well proven and tested components and subsystems

FEATURES

- Complete tooling and gas filling function
- Color touch screen for easy setting the parameters
- Downloads and back-ups through USB-port
- Includes gross leak test prior to leak test
- Available also in high pressure version

ORDER INFORMATION

Type	Sensistor ILS500 F Leak Detection Filler	Sensistor ILS500 FHP Leak Detection Filler, high pressure model
Sensistor ILS500 F Leak Detection Filler	590-580	
Sensistor ILS500 FHP Leak Detection Filler, high pressure model		590-581

SPECIFICATIONS

Type	Sensistor ILS500 F Leak Detection Filler	Sensistor ILS500 FHP Leak Detection Filler, high pressure model
Electrical Supplies		
Mains Voltage	Single Phase, 85-264 VAC / 47-63 Hz	Single Phase, 85-264 VAC / 47-63 Hz
Current	1.0 A @ 100 VAC / 0.45 A @ 230 VAC	1.0 A @ 100 VAC / 0.45 A @ 230 VAC
Power Rating	120 W max. / 33 W typical average	120 W max. / 33 W typical average
Compressed Air Supplies		
Pressure	0.35 – 0.7 MPa (50 – 100 psi)	0.5 - 0.7 MPa (70 - 100 psi)
Peak Consumption @ 0.6 MPa (87 psi)	240 l/min (508 SCFH)	240 l/min (508 SCFH)
Tracer Gas Supplies		
- Pressure	0.005 - 1.0 MPa (0.72 - 145 psi)	0.02 - 3.0 MPa (3 - 435 psi)
Recommended Composition	5% H_2/95% N_2	5% H_2/95% N_2
Evacuation		
Capacity	0.4 s/l to -50 kPa (-7.2 psi), 1.5 s/l to -80 kPa (-11.6 psi)	0.4 s/l to -50 kPa (-7.2 psi), 1.5 s/l to -80 kPa (-11.6 psi)
Max Vacuum	-85 kPa (-12.3 psi)	-85 kPa (-12.3 psi)
Filling		
Capacity at 1 MPa supply	0.1 s/l to 0.1 MPa (14.5 psi), 0.5 s/l to 0.6 MPa (87 psi)	0.1 s/l to 0.1 MPa (14.5 psi), 0.5 s/l to 0.6 MPa (87 psi)
Tooling Output Valves		
Cv	0.16 USGPM/psi	0.16 USGPM/psi
Qn	160 std l/min	160 std l/min
Valve type	Normally closed, 3/2 valve	Normally closed, 3/2 valve

SPECIFICATIONS

Type	Sensistor ILS500 F Leak Detection Filler	Sensistor ILS500 FHP Leak Detection Filler, high pressure model
Gas and Air Connection	Female ISO 3/8 in. (ISO to NPT 3/8 in. adapters included)	Female ISO 3/8 in. (ISO to NPT 3/8 in. adapters included)
Input / Output	USB RS232: male, 9 pin, D-sub Ethernet: RJ45 (Modbus)	USB RS232: male, 9 pin, D-sub Ethernet: RJ45 (Modbus)
Output Capacity	max. 0.5 A / output (max. 2.5 A total), 24 VDC logic	max. 0.5 A / output (max. 2.5 A total), 24 VDC logic
Environment		
Ambient temperature range	+10 to +40°C (+50 to +100°F)	+10 to +40°C (+50 to +100°F)
Humidity	85% RH (non-condensing)	85% RH (non-condensing)
Start time	37 s	37 s
Dimension (H x W x D)	295 x 275 x 330 mm (12 x 11 x 13 in.)	295 x 275 x 330 mm (12 x 11 x 13 in.)
Weight	14,3 kg (31.5 lb.)	14,3 kg (31.5 lb.)

ACCESSORIES

	Sensistor ILS500 F Leak Detection Filler	Sensistor ILS500 FHP Leak Detection Filler, high pressure model
No-Stop Maintenance Kit (incl. venturi pump, valves, Allen key, screwdriver etc.)	590-680	-
No-Stop Maintenance Kit ILS500 FHP (incl. venturi pump, valves, Allen key, screwdriver etc.)	-	590-685