



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

This wishlist was generated on 08/02/2017, and contains the following Products:

45-6810/01

Marshall Test 50

27-1300/01

DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

27-1559

50kN S-type Load Cell

45-6820/11

Flow Transducer

45-6850

Breaking Head (Marshall)

23-4200

Proctor/Core Cutter Extruder Frame and Hydraulic Jack. Extrudes 100mm/4 Inch Diameter Specimens

82-5247

Portable Thermometer 100 ml

45-6550/01

30 L Heating Bath with Led Display Cover

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Semi-Automatic Penetrometer

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Penetration Tin

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Penetration Tin

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Constant Temperature Bath 21 - 56°C

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8in Dia ASTM Sieve 1.18mm Stainless Steel Mesh.

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79-5240

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8 Inch Dia Lid.

82-8950/01

Masonry Saw

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Diamond Blade

47-5565

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www.ele.com
+44 (0) 01525 249 200



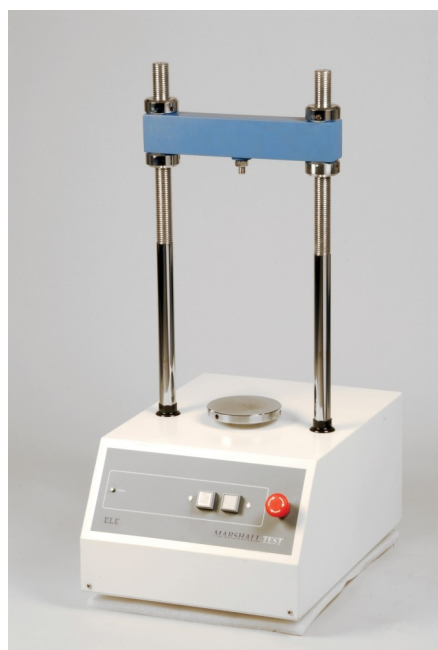
Core Barrel 100 mm

47-5605

Core Barrel 150 mm

47-5175

Compact Core Drill



Marshall Test 50

Code: [45-6810/01](#)

Product Group: [Marshall Load Frames](#)

- Geared screwjack and motor drive
- Precise speed
- Internal limit switch for both directions of travel
- Easy to use controls

This bench-mounting mechanical load frame is ruggedly constructed to encompass the strain and loads involved with the test. The unit is compact in size and can be quickly installed on a bench top, requiring only a power point. It has been designed for simple operation, is easy to clean and requires minimum maintenance.

Standards

EN 12697-34

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Load frame, 50 kN capacity. Supplied without Breaking Head. For 220 - 240 V AC, 50 Hz, 1 ph.

Accessories



250 Asphalt Probe

Code: [47-0202/10](#)



30 L Heating Bath with Led Display Cover

Code: [45-6550/01](#)



50kN Clamped Boss Load Ring

Code: [78-0860](#)



50kN S-type Load Cell

Code: [27-1559](#)



Breaking Head (Marshall)

Code: [45-6850](#)



Flow Meter BS/EN

Code: [45-6880](#)

Alternatives



Digital Asphalt Thermometer

Code: [47-0202](#)



DSU Electronic Readout and Control System 110 V AC 60 Hz

Code: [27-1300/02](#)



DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

Code: [27-1300/01](#)



Proctor/Core Cutter Extruder Frame and Hydraulic Jack. Extrudes 100mm/4 Inch Diameter Specimens

Code: [23-4200](#)



DSU Electronic Readout and Control System 220 - 240 V AC 50/60 Hz

Code: [27-1300/01](#)

Product Group: [Data Logging with the DSU](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Data Logging with the DSU](#)

· Download the full brochure here
[[/Page/catalogue-download/NTRmZS9UaGUgTkVXIERTVSBVU0EucGRm](#)]

- 4 channel automatic control and data-logging unit
- Automatic, dual-frame control
- Performs CBR, Marshall, Unconfined Compression, Direct and Residual Shear, One-Dimensional Consolidation and Unconsolidated Undrained tests
- LAN connection - software can be running anywhere on your server
- Never lose data from power fails - 2 gigabytes of non-volatile memory
- Extended warranty

The Data System Unit (DSU) is a versatile instrument designed to accommodate the general logging requirements of geotechnical and materials testing engineers. Its intelligent interface allows the user to work with a range of different sensors.

Further Information

The DSU has two distinct modes of operation. The first is referred to as DS mode (DataSystem) for operation with ELE International's established DS7 geotechnical testing software.

DS MODE

- Up to four one dimensional consolidation tests
- Up to two CBR tests
- One direct/residual shear test
- One triaxial quick un-drained test

DU MODE

- Up to two Marshall tests
- Up to two CBR tests
- Up to two Unconfined compression tests
- Automatic frame control

OVERVIEW

- Touch Screen data entry for standalone operation, Marshall/CBR/Quick un-drained

- Automatic single and dual frame control (with multiplex 50 frame)
- Log memory of 2 gigabytes
- Non-volatile memory
- Ethernet TCPIP link and serial comms support
- Market leading signal stability
- Certificate and manual calibration features

Become a member of the ELE International web site, add this new product to a wishlist to receive a quote! Click here [Login]

This product is now available in the USA and Canada!

Accessories



Cable, Safety/ID

Code: [27-1300/11](#)



Dual Frame Comms Cable

Code: [27-1300/10](#)



PC Cable

Code: [27-1300/12](#)

Alternatives



DSU Electronic Readout and Control System 110 V AC 60 Hz

Code: [27-1300/02](#)



Marshall Test 50

Code: [45-6810/01](#)



Marshall Test 50

Code: [45-6810/06](#)



50kN S-type Load Cell

Code: [27-1559](#)

Product Group: [Load Measurement](#), [Electronic Instrumentation](#), [Force measurement](#), [Electronic Instrumentation](#)

Maximum working capacity of 50 kN and excitation 10 V ac/dc with an output of 2.7 mV/V nominal.
Aluminium alloy and stainless steel construction with IP65 environmental protection.

Standards

EN 12697-34

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Accessories



Breaking Head (Marshall)

Code: [45-6850](#)



S-Type Load Cell 5 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1551](#)

Alternatives



Breaking Head (Marshall)

Code: [45-6850](#)



S-Type Load Cell 5 kN.for Triaxial Tests. Fitted with 5 Pin Din Plug.

Code: [27-1551](#)



Flow Transducer

Code: [45-6820/11](#)

Product Group: [Electronic Instrumentation](#), [Electronic Instrumentation](#), [Electronic Instrumentation](#)

Pre-calibrated, for use with 45-6850 Breaking Head.

Standards

EN 12697-34

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Breaking Head (Marshall)

Code: [45-6850](#)

Product Group: [Accessories for the Marshall test](#)

Complete with gauge disc. Supplied without flow meter.

Standards

EN 12697-34

Accessories



250 Asphalt Probe

Code: [47-0202/10](#)



30 L Heating Bath with Led Display Cover

Code: [45-6550/01](#)



50kN S-type Load Cell

Code: [27-1559](#)

Alternatives



250 Asphalt Probe

Code: [47-0202/10](#)



30 L Heating Bath with Led Display Cover

Code: [45-6550/01](#)



50kN S-type Load Cell

Code: [27-1559](#)



Proctor/Core Cutter Extruder Frame and Hydraulic Jack. Extrudes 100mm/4 Inch Diameter Specimens

Code: 23-4200

Product Group: [Soil Extruders, Accessories for manual and automatic compaction](#)

Adaptor plates will be supplied; extrudes samples from BS Compaction Mould, Proctor Mould 100 mm, Core Cutter and Marshall Mould. Maximum extrusion force 20kn.

Standards

BS 1377-1

Further Information

NOT AVAILABLE FOR SALE IN THE USA

Accessories

Steel Block

Code: 45-6463



Alternatives



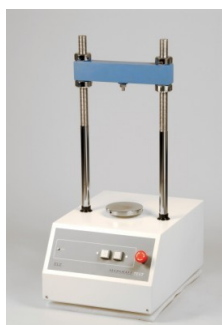
38mm Hand Operated Hydraulic Sample Extruder with Trimming Knife 38mm Split Former & Cutting Tool.

Code: 23-4090



Cbr/Core Cutter Extruder Frame and Hydraulic Jack Extrudes 150mm/6 Inch Diameter Specimens.

Code: 23-4250



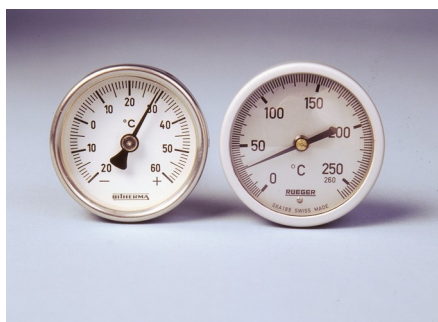
Marshall Test 50

Code: 45-6810/01



Marshall Test 50

Code: 45-6810/06



Portable Thermometer 100 ml

Code: [82-5247](#)

Product Group: [Portable Dial-type Thermometers](#)

50 mm diameter dial with a 180 mm long stem.

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



30 L Heating Bath with Led Display Cover

Code: [45-6550/01](#)

Product Group: [Accessories for manual and automatic compaction](#)

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Accessories



Breaking Head (Marshall)

Code: [45-6850](#)

Alternatives



Breaking Head (Marshall)

Code: [45-6850](#)





Semi-Automatic Penetrometer

Code: [46-5295/01](#)

Product Group: [Penetration Test](#)

As 46-5290 but incorporates Digital Automatic Controller which releases the needle assembly. The time set is displayed by a bright, easy to read display.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Accessories



Constant Temperature Bath 21 - 56°C

Code: [46-5500/01](#)



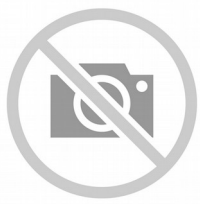
Penetration Needle

Code: [46-5360/10](#)



Penetration Needle

Code: [46-5340/C](#)



Penetration Tin

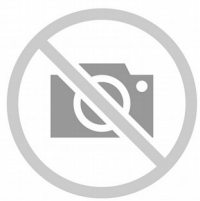
Code: [46-5861](#)



Transfer Dish

Code: [46-5800](#)

Spares/Consumables



ASTM (Non-Certified) Penetration Needle

Code: [46-5290/10](#)



Penetration Tin

Code: [46-5860](#)

Product Group: [Penetration Test](#)

For penetrations between 200 and 350,
approximately 70 mm diameter x 45 mm deep.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Penetration Tin

Code: [46-5861](#)

Product Group: [Penetration Test](#)

For penetrations below 200, approximately 55 mm diameter x 35 mm deep.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Constant Temperature Bath 21 - 56°C

Code: [46-5500/01](#)

Product Group: [Penetration Test](#)

A bench mounting bath specially designed for the conditioning of bitumen samples prior to penetration tests. Incorporating a highly accurate thermostat, the bath maintains a temperature between 21 and 56°C \pm 0.1°C (at ambient). An integral cover and deep tray for penetration testing are supplied as standard.

Further Information

****Not available for sale in the USA****



Distilled Water Still

Code: [82-8020/01](#)

Product Group: [Distilled Water Still](#)

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Specification

| | |
|------------------------|--|
| Dimensions (l x w x h) | 590 x 530 x 940 mm |
| Boiling chamber | Glass |
| Condenser | Borosilicate glass |
| Output | 3.5 litres/hr when permanently connected to water supply |
| Electrical supply | 220 – 240 V AC, 50 - 60 Hz, 1 ph |
| Rated power | 2.75 kW |
| Weight | 12 kg |



Transfer Dish

Code: [46-5800](#)

Product Group: [Bitumen Penetration Test](#), [Asphalt Penetrometer](#), [Penetration Test](#)

For use with ELE Penetrometer 46-5295.

Standards

BS 2000-49, EN 1426, EN 13179-2, ASTM D5, AASHTO T49, IP 49



Timer Clock

Code: [81-0518](#)

Product Group: [Rice Test Vibrator](#), [Watches and Clocks](#)

Accessory

Standards

EN 12697-5

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Cleveland Flash Cup Apparatus

Code: [46-3310/01](#)

Product Group: [Cleveland Flash Cup Apparatus](#)

The ELE Semi-Automatic Cleveland Open Cup flashpoint Tester is equipped with an electrically heated cup (with a variable control to set temperature rise rate), a button operated and electrically driven sweep arm and a test flame for use on natural gas. Bench mounted, the unit is incorporated in an easy to clean stainless steel case.

Standards

BS 2000-36, EN ISO 2592, ASTM D92, IP 36

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

For 220 - 240 V AC, 50 - 60 Hz, 1 ph.

Specification

| | |
|-------------------|-------------------------------|
| Temperature Range | Ambient to 400°C |
| Power | 500 W maximum |
| Ramp rate | Variable, manually controlled |
| Voltage | 220/240 V, 50/60 Hz |
| Size (HxWxD) | 33 x 31 x 29 cm |
| Weight | 6.5 kg |



ELE Sieve Shaker

Code: [80-0200/01](#)

Product Group: [ELE Sieve Shaker](#)

The ELE sieve shaker is powered by an electromagnetic drive that has no rotating parts to wear making it maintenance free and extremely quiet in operation.

The unit features a triple Vertical-Lateral-Rotary vibrating action that moves the sample over the sieve producing faster more efficient sieving, while the rapid vertical movements also help keep the apertures from blinding.

The shaker is ideal for laboratory or on site use. It is robust, compact and sufficiently lightweight to be portable. The separate digital microprocessor controlled console unit incorporates a keypad for setting the sieving program and is isolated from any effects of vibration from the shaker.

As standard the shaker includes, timer 0-999 minutes, adjustable vibration intensity and adjustable intermittent or continuous operation.

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

The unit accepts up to ten 200 mm or 8 inch, full height, diameter sieves and lid and receiver, or up to six 300 mm or 12 inch diameter sieves and lid and receiver. Complete as specified. Dimensions (l x w x h) 380 x 440 x 1085 mm. For 220 - 240 V AC, 50 Hz 1ph.



8in Dia ASTM Sieve 1.18mm Stainless Steel Mesh.

Code: 79-5100

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/8" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 16 |
| Sieve Opening Standard | 1.18 mm |
| Sieve Opening Alternative (in.) | 0.0469 |



8in Dia ASTM Sieve 850 Mic Stainless Steel Mesh.

Code: 79-5120

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 20 |
| Sieve Opening Standard | 850 μ m |
| Sieve Opening Alternative (in.) | 0.331 |



8in Dia ASTM Sieve 600 Mic Stainless Steel Mesh.

Code: 79-5140

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 30 |
| Sieve Opening Standard | 600 um |
| Sieve Opening Alternative (in.) | 0.0234 |



8in Dia ASTM Sieve 300 Mic Stainless Steel Mesh.

Code: 79-5180

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 50 |
| Sieve Opening Standard | 300 um |
| Sieve Opening Alternative (in.) | 0.0117 |



8in Dia ASTM Sieve 212 Mic Stainless Steel Mesh.

Code: 79-5200

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 70 |
| Sieve Opening Standard | 212 um |
| Sieve Opening Alternative (in.) | 0.0083 |



8in Dia ASTM Sieve 180 Mic Stainless Steel Mesh.

Code: 79-5210

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 80 |
| Sieve Opening Standard | 180 μ m |
| Sieve Opening Alternative (in.) | 0.007 |



8in Dia ASTM Sieve 150 Mic Stainless Steel Mesh.

Code: 79-5220

Product Group: U.S. Standard Testing Sieves, 8"
Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8"
Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 100 |
| Sieve Opening Standard | 150 µm |
| Sieve Opening Alternative (in.) | 0.0059 |



8in Dia ASTM Sieve 106 Mic Stainless Steel Mesh.

Code: 79-5240

Product Group: U.S. Standard Testing Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11

Specification

| | |
|---------------------------------|--|
| Frames | Full height; 2 1/4" (51 mm) depth to mesh. |
| Construction | Polished and lacquered brass with S.S. mesh. |
| Nameplates | Show standard, alternate and Tyler Screen Scale equivalent designations. |
| Weights | Net 1 lb. (453 g). |
| Sieve Size or Number | No. 140 |
| Sieve Opening Standard | 106 um |
| Sieve Opening Alternative (in.) | 0.0041 |



8 Inch Dia Lid.

Code: 79-5400

Product Group: U.S. Standard Testing Sieves, Sieve Lids and Receivers ASTM, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves, 8" Diameter ASTM Sieves

Standards

ASTM E11



Masonry Saw

Code: 82-8950/01

Product Group: [Masonry Saw](#)

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Specification

| | |
|--|---|
| Dimensions (l x w x h) | 1195 x 705 x 1350 mm |
| Cutting depth with 300 mm diameter blade | 110 mm |
| Electrical supply | 220-240 V AC, 50 Hz, 1 ph, separate fused power supply and switching required |
| Rated power | 2200 W |
| Weight | 120 kg |



Diamond Blade

Code: [82-8950/12](#)

Product Group: [Masonry Saw](#)

Accessory. Wet cutting. Blade diameter 350 mm, depth of cut 110 mm.

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Core Barrel 100 mm

Code: [47-5565](#)

Product Group: [Core Barrels](#)

Standards

EN 12697-32, EN 13280-4, BS 598-104

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Core Barrel 150 mm

Code: [47-5605](#)

Product Group: [Core Barrels](#)

Standards

EN 12697-32, EN 13280-4, BS 598-104

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****



Compact Core Drill

Code: 47-5175

Product Group: Compact Core Drill Machine

This compact and portable core drilling machine is designed to cut cores up to 150 mm diameter from concrete, asphalt and similar hard construction material.

The machine comprises a vertical support column which carries the drill head/motor assembly.

An integral water swivel is built into the drill head providing a 12 mm connection to an external water supply via 12 mm flexible hose (not supplied). The motor assembly comprises a 4 hp, 2-stroke petrol engine. Speeds of 800 rpm or 1200 rpm may be selected. A ball screw mechanism enables close control over drilling pressure and rapid return when drilling is completed.

The complete assembly is supplied on a rigid metal base frame with levelling facility and is suitable for vertically down drilling applications only.

Standards

EN 12697-32, EN 13280-4, BS 598-104

Further Information

****NOT AVAILABLE FOR SALE IN THE USA****

Special Note: Requires a continuous clean water supply via a 12 mm flexible hose (not supplied).