

DORNIER MEDILAS H UROPULSE

Space-saving 20 Watt Holmium:YAG laser for advanced stone management.



PRECISE AND CONVENIENT HOLMIUM LASER

Medilas H UroPulse 20-Watt Holmium:YAG laser

The UroPulse is an innovative 20 W Holmium:YAG laser system that is ideal for the elimination of stones regardless of chemical consistency and hardness, as well as for selected soft-tissue intervention in endourological procedures.

- Fast start-up with no warm-up period
- State-of-the-art, high-resolution touch-screen control
- Intelligent fibre recognition system
- DVI output to external monitor for better visualisation of laser settings



Hands-free control

A unique three-pedal wireless foot switch allows the surgeon to be in control of the laser.

- Large central pedal for easy and safe release of laser energy
- Lateral switches for configuring laser parameters
- No cable on the floor eliminates tripping hazard and cord damage
- Allows the surgeon to switch between standby and ready modes



Intelligent fibre recognition

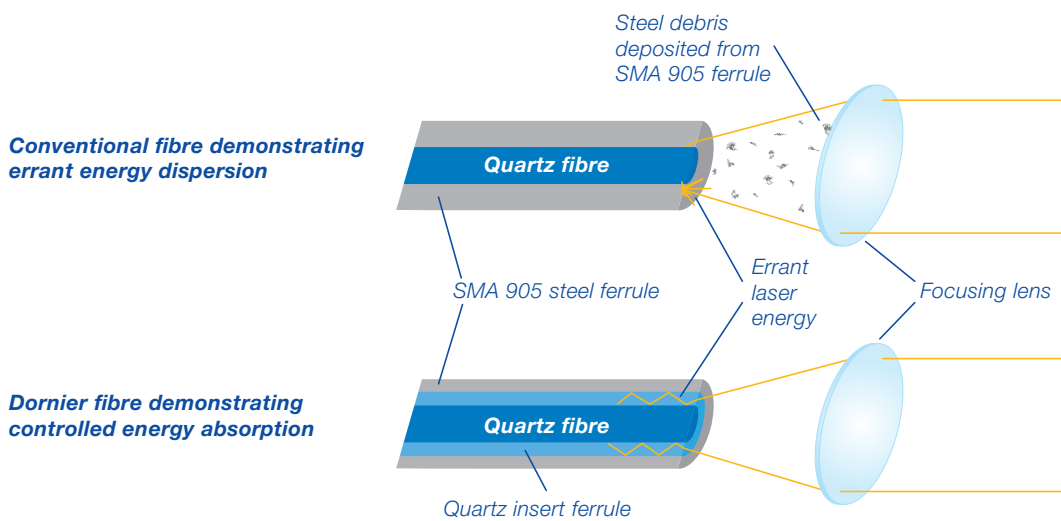
Featuring an intelligent fibre recognition system, UroPulse provides the user with immediate information regarding the connected fibre.



DURABLE FIBRES OPTIMISE LASER ENERGY DELIVERY

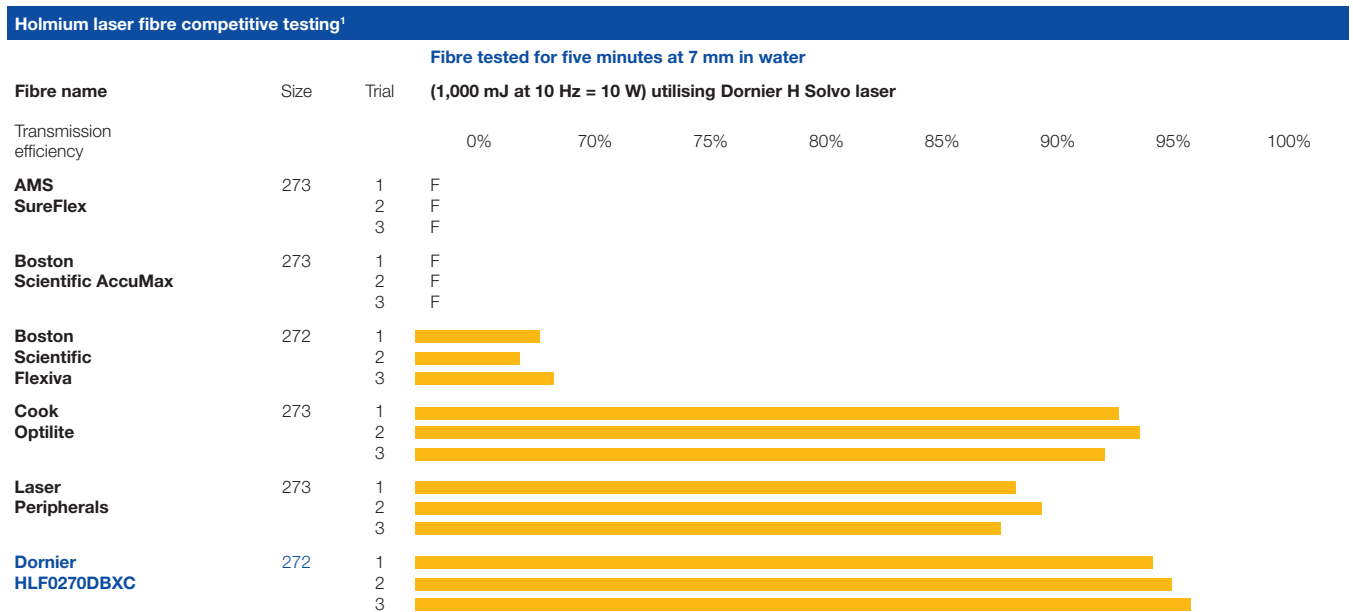
Preventing costly scope repairs

Our specially designed laser fibres utilise a larger quartz sleeve that extends the entire length of the fibre. The sleeve transmits errant energy along the ferrule surface, allowing for controlled absorption over a much greater area, thus preventing damage to the focusing lens and providing further protection from damage that can lead to costly scope repairs.



Superior performance and durability

The fibres feature a Delrin® SMA connector that doesn't heat up like metal SMA connectors. Competitive benchmark testing demonstrated that the Dornier 270 µm fibre had the best transmission efficiency at 10 W at a bend radius of 7 mm.



¹ Dornier MedTech Analysis, December 2013

MEDILAS H UROPULSE 20 W HOLMIUM:YAG LASER

Ordering information

Laser systems

EGHLS20W UroPulse 20-Watt Holmium:YAG laser system (wireless foot switch)

Single-use laser fibres (pack of three)

EGHLFDBX0270C 270-micron single-use laser fibre, 3/box
EGHLFDBX0400C 400-micron single-use laser fibre, 3/box
EGHLFDBX0600C 600-micron single-use laser fibre, 3/box
EGHLFDBX1000C 1,000-micron single-use laser fibre, 3/box

Reusable laser fibres (pack of three)

EGHLFRBX0270C 270-micron reusable laser fibre, 3/box
EGHLFRBX0400C 400-micron reusable laser fibre, 3/box
EGHLFRBX0600C 600-micron reusable laser fibre, 3/box
EGHLFRBX1000C 1,000-micron reusable laser fibre, 3/box

Accessories

EGHLA0270FS Stripper for 270-micron fibres
EGHLA0400FS Stripper for 400-micron fibres
EGHLA0600FS Stripper for 600-micron fibres
EGHLA1000FS Stripper for 1,000-micron fibres
EGHLAFCC Sapphire-tipped pen (fibre cutter)
EGHLAFCS Scribe (fibre cutter), wafer style
EGHLAFS Wired foot switch
EGHLASG Safety glasses
EGHLASGG Safety goggles
EGHLAWS Laser warning sign

Specifications

UroPulse 20-Watt Holmium:YAG laser

Laser type Holmium (Ho:YAG), solid-state pulsed laser
Wavelength 2,080 nm (commonly referred to as 2.1 µm)
Laser energy 200–2,500 mJ
Laser frequency 3–20 Hz
Maximum power 20 W at 2,500 mJ/8 Hz
Aiming beam Green, 532 nm, 0–390 µW adjustable
Laser warning signal Optical and acoustic, volume adjustable
Treatment record Number of pulses, energy, frequency, fibre type
Power supply 115/208–240 V (AC), single phase, 50/60 Hz
Power consumption 2.0 kVA max.
Weight 35 kg (77 lb)
Dimensions box: (D × W × H) 50 × 45 × 35 cm (19.68 × 17.72 × 13.78 in.)
Footprint: (D × W) 45 × 45 cm (17.72 × 17.72 in.)
Laser cooling system Internal closed water-air cooling system
Transmission system Optical fibre with SMA connector
Foot switch Electrical, wireless
Standards IEC 60601, IEC60825, MDD/European medical
Device directive, CE
Medical device class IIb; electrical device protection
Class 1, type B, laser class 4

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Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

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