



PiezoWave

... focused extracorporeal shock wave therapy (ESWT) and trigger point shock wave therapy (TPST) in orthopaedics

PiezoWave

Chronic pain treated gently

The PiezoWave from Richard Wolf combines orthopaedic ESWT applications with the applications of TPST. Extracorporeal shock waves have been used successfully in the treatment of chronic pain since the early '90s. Extracorporeal shock wave therapy (ESWT) and trigger point shock wave therapy (TPST) are highly efficient, non-surgical treatments for chronic pain in the musculoskeletal system. The PiezoWave offers a significant expansion of the range of applications for myofascial pain syndrome. The extracorporeal, focused shock wave allows precise diagnosis and therapy of active and latent trigger points. Trigger points are thickened, pain-sensitive points within a usually tense muscle. They can cause a variety of pains – even well away from their own location.

How it works

The heart of the Richard Wolf PiezoWave is the compact piezo shock wave source with its excellent features.

Operation is simple with the multifunction operator control and display unit on the top of the device. All the device parameters can be set and monitored.

The penetration depth can be varied at the therapy source by exchanging gel pads of different thickness.

A further advantage is the large area energy coupling with an aperture angle of 94°. This lowers the energy density at the surface of the skin and reduces pain. The fine dosed energy with 20 intensity levels allows treatment without sedation.

Upper and lower extremities, cervical spine, shoulder girdle



Hip region, thoracic and lumbar spine



Hip and buttock region



The FB 10 G4 therapy source can be used for all standard indications in orthopaedic ESWT

Focused extracorporeal shock wave therapy – ESWT

Therapy

The PiezoWave is a compact and extremely mobile ESWT unit for individual therapy options:

- Epicondylitis humeri radialis and ulnaris
- Jumper's knee
- Plantar fasciitis with heel spurs
- Tendinosis calcarea
- Impingement syndrome
- Pseudoarthrosis

Advantages in ESWT

- High, clearly defined penetration depth
- Practically maintenance-free
- Highly accurate treatment
- Low risk of haematoma
- Maximum energy directly in the treatment area
- Practically no skin irritation
- Small design, portable, compact

Shoulder

Soft tissue treatment at the rotator cuff of the shoulder with and without calcification (tendinosis calcarea)



Elbow

Tennis and golf elbow (epicondylitis humeri radialis and ulnaris)



Knee

Treatment of the patellar tendon attachment "jumper's knee"



Foot

Treatment of the plantar fascia in cases of plantar heel spurs "plantar fasciitis with heel spurs"



Trigger point shock wave therapy – TPST



Neck muscles



Shoulder muscles



Back muscles



Buttock muscles

Further indications:
Knee muscles

Therapy

The extracorporeal, **focused** shock wave allows both the therapy and the precise localisation of active and latent trigger points. The trigger is excited by the small focus point of the **PiezoWave**. This allows precise localisation without palpation that is often painful for the patient.

- Neck
- Shoulder
- Back
- Buttock
- Knee

Advantages in TPST

- Mobile and focused ESWT system
- Deep penetration up to 40 mm
- Treatment with a pulse frequency up to 8 HZ
- Precise localisation of trigger points
- Low risk of haematoma
- Broad range of applications
- Individual therapy options
- Long working life – extremely economical

PiezoWave

The alternative to surgery

The PiezoWave from Richard Wolf is a small, powerful desktop device for extracorporeal shock wave therapy of all orthopaedic ESWT and TPST indications. This represents a significant expansion of the range of applications.



PiezoWave

Technical Data

PiezoWave Basic Set

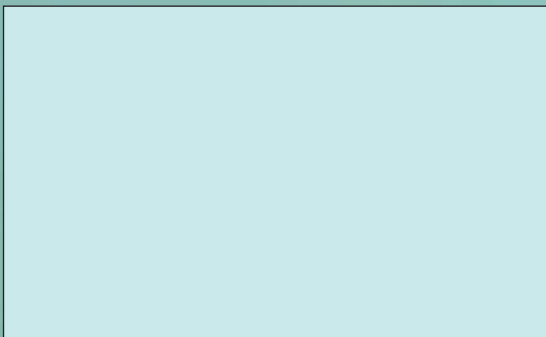
Name	Article no.
Control unit complete	80.2141
Therapy source F 10 G4 complete	80.6211
Unit trolley	80.901

Technical Data

Power supply	100 - 127 V / 220 - 240 V
Frequency	50 / 60 Hz
Power consumption	150 VA
In compliance with the directive on medical equipment 93/42 EEC	Class II b
Weight (control unit)	approx. 12 kg
Dimensions l x w x h	450 x 325 x 185
Energy settings	20 levels
Pulse frequency	0 - 8 Hz
Therapy source F 10 G4:	
Penetration depth	5 - 40 mm
Aperture angle	94 °
Energy density	0,03 - 0,4 mJ / mm ²
Pressure range	11 - 82 MPa
Energy 12 mm	3 - 26 mJ

If you require more information, Peter Vallon will be happy to assist you:
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Whether you buy, lease or hire, you can find out more about our attractive financing by phone: +49 (0) 72 31 56 61-838 or by e-mail: finance@richard-wolf.com



New impetus for your practice

The **Richard Wolf PiezoWave** allows universal application for a large number of indications. With this unit, you can expand the range of indications you can treat and offer relief of chronic pain to a wider circle of patients.

As a non-invasive procedure, extracorporeal shock wave therapy is a genuine and successful alternative to surgical intervention. Patients are treated on an outpatient basis and one treatment takes approximately 15 minutes.

Please tell your "pain" patients about the real advantages and the chances of healing with the **PiezoWave** and shock wave therapy.

The versatility of the **ESWT / TPST** unit means that you can plan individual therapies, opening the door to new patients and providing economic impetus.

An opportunity to increase the efficiency of your practice. We will be happy to support you in your efforts to gain new patients with posters, patient information sheets, professional instruction on the use of the system, further product information, studies and references.

Make your practice more attractive. Offer your patients more. You can increase the economic efficiency of your practice. Ask us about further information on the **PiezoWave**, our references and, if you wish, a consultation with your medical product advisor.

