

palajet®

PULSE LAVAGE SYSTEM FOR SINGLE USE

Handpiece
with easy adjustment
of two flow rate
settings

Fan Spray Nozzle / Knee Nozzle*
short with splash guard,
for thorough cleaning
during knee surgery

**Femoral Nozzle /
Hip Nozzle***
long with protective
cover, for thorough
cleaning during hip
surgery

Clamps
for additional
regulation of
flow rate and
clean disposal

Saline connection hose
(with protective cap)

Suction hose

Battery pack
with hook and batteries

Cable and hoses
are connected and can be separated
as required (total length: 3 m)

palajet®

REMOVING & IMPROVING

The powerful disposable system at a glance

1,300 ml/min high flow rate (up to 1,300 ml/min) and pressure (up to 15 psi)



simple design and use



less effort, no sterilisation required



lower risk of cross-contamination (compared to reusable systems)



Pulse lavage as part of the modern cementing technique

Modern cementing technique is critical for the long-term success of a cemented endoprosthesis. Cleaning the bone bed using a pulse lavage system is an essential element and the first step in the modern cementing technique, where all cement-receiving bone surfaces are thoroughly cleaned to remove any fat residue, bone debris, marrow, and blood.^{1,2}

Why is pulse lavage important?

- better cement interlocking with the cancellous bone³
- fewer thromboembolic complications⁴
- significantly lower risk of revision⁵
- lower postoperative infection rate in hemiarthroplasty⁶

Product	Description	Content	REF
palajet® Disposable Pulse Lavage System	Pulse Lavage System for single use, Knee and Hip Nozzles included	10	5156831
palajet® Femoral Brush Nozzle	Attachment for hip revisions (with brush head)	5	5167807
palajet® Shower Spray Nozzle	Attachment for spinal surgery	5	5167808
palajet® Large Splash Shield	Splash Shield for Knee Nozzle and Shower Spray Nozzles	5	5167809
palajet® Fan Spray Nozzle/Knee Nozzle	Attachment for knee surgery and other wound cleaning	5	5202875
palajet® Femoral Nozzle/Hip Nozzle	Attachment for thorough cleaning of the femoral bone bed	5	5202878

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www.heraeus-medical.com



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1. Breusch SJ et al. Lavage technique in total hip arthroplasty: jet lavage produces better cement penetration than syringe lavage in the proximal femur. J Arthroplasty 2000; 15 (7): 921–927. | 2. Seeger JB et al. The effect of bone lavage on femoral cement penetration and interface temperature during Oxford unicompartmental knee arthroplasty with cement. J Bone Joint Surg Am 2013; 95 (1): 48–53. | 3. Helwig P et al. Tibial cleaning method for cemented total knee arthroplasty: An experimental study. Indian J Orthop 2013; 47 (1): 18–22. | 4. Breusch SJ et al. Zementierte Hüftendoprothetik – Verminderung des Fettembolierisikos mittels gepulster Druckspülung. Orthopäde 2000; 29: 578–586. | 5. Malchau H et al. Prognosis of Total Hip Replacement – Update and Validation of Results from the Swedish National Hip Arthroplasty Register 1979–1998. The international journal of risk and safety in medicine 1996; 8(1): 27–45. | 6. Hargrove R et al. Does pulse lavage reduce hip hemiarthroplasty infection rates. J Hosp Infect. 2006; 62(4): 446–449.