

PAQUES



BIOPAQ[®]IC

Tratamento anaeróbio de efluentes industriais

Com o tratamento anaeróbio de efluentes todos os setores podem diminuir seus custos de produção e atender a limites de descarga mais rigorosos.

*Olá, eu sou o
Andy. Eu gero a
sua bioenergia*



revitalizing resources

BIOPAQ[®]IC

Characteristics of the BIOPAQ[®]IC

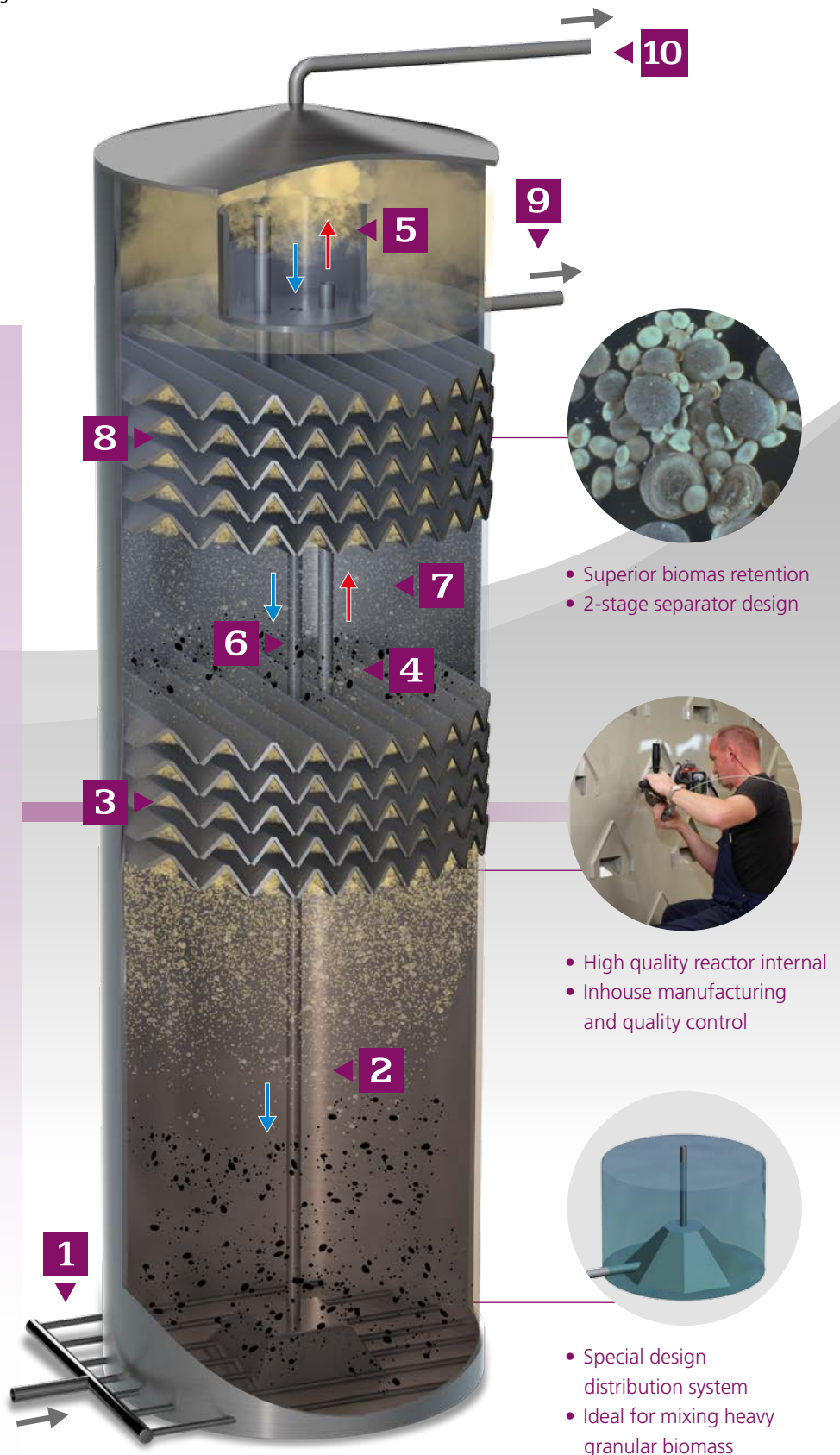
- Suitable for urban environments
- Meeting stringent and rural site conditions
- Vertical tank, wide range reactor sizes
- Reliable, self-regulating system, internal circulation system

- 2-stage separator design
- Minimised neutralisation costs
- Consistent effluent qualities
- Compact reactor

- Robust system
- Handling high loading variations
- Fast, accelerated start-up

BIOPAQ[®]IC, how it works

- 1** Industrial wastewater enters the reactor and is mixed with the granular anaerobic biomass in the distribution system
- 2** Organic components are converted into methane (biogas)
- 3** Biogas is collected in the lower phase separator, generating a 'gas lift'
- 4** Together with biogas, liquid flows upwards in the riser
- 5** Gas leaves the reactor in the liquid/gas separator
- 6** Water returns through the downer into the distribution system. Hence the name: Internal Circulation
- 7** The effluent is polished in the second, upper compartment
- 8** The biogas from the second compartment is collected in the upper phase separator
- 9** Effluent exits the reactor
- 10** Biogas leaves the reactor





Paques: leading in biological wastewater and gas treatment

For more than 40 years, Paques has been the world's leading company in the field of development and construction of cost-effective purification systems for water, wastewater and gases, based on innovative biotechnology. With over 2,900 reference installations worldwide, Paques has helped companies and municipalities succeed at to one of the major challenges of today: to reduce their water and carbon footprints and reclaim valuable resources.

The biogas produced by wastewater treatment plants can be used as green energy in boilers or gas engines. Beyond our headquarters in The Netherlands, Paques has subsidiaries and/or production locations in Russia, China, Brazil, Argentina, Colombia, India, Malaysia, Thailand, Vietnam, the United States and Canada. In many other countries, Paques is represented by licensed partners. This ensures our local presence and the best service for our clients worldwide.

Contact one of our branch offices:



North America Burlington (MA), USA

t + 1 781 362 4636
e info@paques-inc.com

Latin America Piracicaba, Brazil

t +55 (19) 3429 0600
e info@paques.com.br

Europe (HQ) Balk, The Netherlands

t +31 (0) 51460 8500
e info@paques.nl

India Chennai, India

t +91 44 2827 3781
e info@paques.in

China Shanghai, China

t +86 (0)21 3825 6088
e info@paques.com.cn

Asia Pacific Kuala Lumpur, Malaysia

t +603 2169 6331
e rj.vanas@paques.com.my