



Pentair systems solutions

COMMERCIAL LAUNDRY

WATER TREATMENT
SOLUTIONS

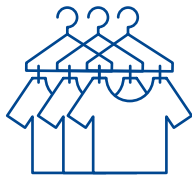
www.pentairaquaeurope.com

COMMERCIAL LAUNDRY

Washing your dirty linen at home rather than in public is not the only consideration an institution, which provides clean linen regularly, needs to factor to save costs. Whichever choice they make; either to launder on-site or to outsource it, needs to comply with an ever-growing pressure from governments and society to reduce the environmental footprint. By turning to more sustainable practices that reduce energy and water waste, companies ensure to cut costs and boost profitability at the same time.

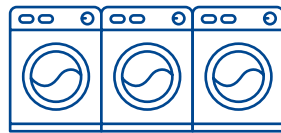
This brochure informs about the commercial laundry sector and illustrates how Pentair products work together to provide an optimal solution for the challenges faced by this industry today.

MAIN TYPES OF COMMERCIAL LAUNDRY



ON-SITE

Also known as, On-Premise Laundry (OPL) means that the laundry occurs in the institution that supplies its own linen. These may include hotels, hospitals and nursing homes.



OFF-SITE

Outsourcing laundry services may be the best solution for certain institutions. These focus on the laundering of workwear and flat linen they either rent out to commercial/ industrial sectors, or contract services for cleaning someone else's laundry.



COIN-OPERATED

These laundries work in self-service mode (no personnel needed).

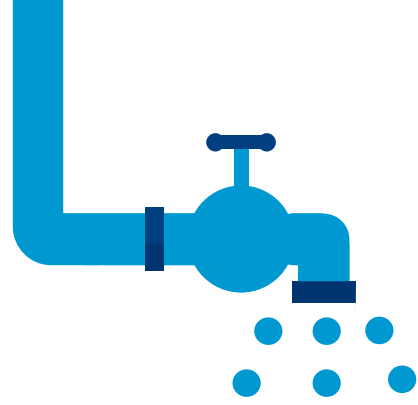
BENEFITS FROM HAVING AN EFFICIENT COMMERCIAL LAUNDRY SYSTEM

- Saving water up to 85%
- Saving detergent up to 50%
- Reducing energy consumption, since less water needs to be heated
- Removing substances that shorten the lifetime of linen such as manganese, iron, calcium, and alkalinity
- Improving equipment life by reducing limescale
- Removing pathogens and disinfecting linen

WATER TREATMENT PROCESS IN A COMMERCIAL LAUNDRY

The next page illustrates how Pentair products work together to provide a sustainable and efficient solution even to the most stubborn of laundry problems:





Is suspended solid content of incoming water >20 µm?

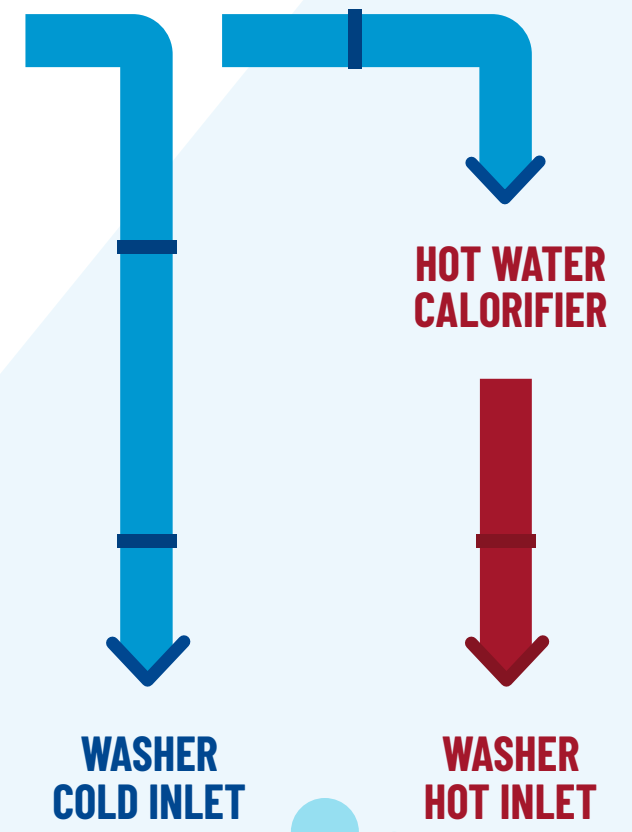
No →

Is iron content of incoming water >0.3 ppm?

No →

Is incoming water hardness <0.5 ppm CaCO₃?

Yes →



INSTALL HIGH SEDIMENT REDUCTION SYSTEM PENTAIR PROFLOW FILTER-AG

[MORE INFO](#)

- Automatic back flushing filter to efficiently remove suspended particles
- Service flow rate up to 6.7m³/hr
- Systems can be run in parallel to achieve required service flow rate
- Efficiently removes suspended particles like dirt, silt, clay, and rust down to 20 µm for protection of your plumbing, fixtures and water-using appliances
- Exceptionally high sediment reduction capacity, longer service runs, reduced backwash frequency
- Lower backwash flow rate, reduced backwash water consumption



INSTALL IRON REDUCTION SYSTEM PENTAIR PROFLOW

[MORE INFO](#)

- Automatic back flushing filter to reduce iron content
- Service flow rate up to 6.0m³/hr
- Systems can be run in parallel to achieve required service flow rate
- Simplex or Multiplex parallel configuration available
- No need for chemicals for regeneration
- Easy and convenient to install, with bagged media included
- No need for systematic maintenance



INSTALL WATER SOFTENER SYSTEM PENTAIR VIRIDION C&I SOFTENER

[MORE INFO](#)

- High efficiency automatic softening system
- Service flow rate up to 3.5m³/hr depending on system selected
- Systems can be run in parallel to achieve required service flow rate
- 15% less salt consumed and 40% in water savings compared to a similar system
- Adaptive regeneration cycles thanks to Viridion smart regeneration technology
- Intuitive and easy set-up programming



Fact and figures



15%

of the total energy bill for a hospital comes from doing laundry on-site

95%

of hotels in the United Kingdom outsource their laundry as opposed to

35%

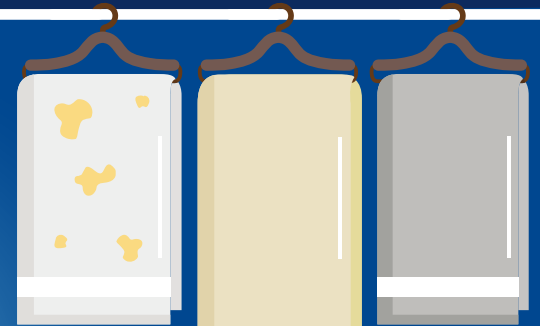
of its American counterparts

HOTEL

HOTEL

100
LITERS

of water are used daily to launder bed linens and towels of a single hotel room (EU average)



0.5 ppm of iron present in water is enough to produce orange stains on linen

Alkalinity gives a yellow discoloration to white fabric

Manganese and calcium turns linen gray

Would you like to learn more about what Pentair products can do for your business?

See other application brochures or contact us at marketing.prfemea@Pentair.com

What is considered best-in class laundering water?

	VERY GOOD	GOOD
1. Iron	0 ppm	0.3ppm
2. Clarity	Crystal Clear water with no sediments. Clarity	
3. Hardness	Softened - 0 hardness	<1.5 grains of hardness
4. pH	7.0-7.5	7.6-8.0
5. Bicarbonate	<20ppm	<100 ppm
6. TDS	<50 ppm	<150 ppm

<https://laundryledger.com/whats-in-your-water/>

About us

At Pentair, we believe the health of our world depends on reliable access to clean water. We deliver a comprehensive range of smart, sustainable water solutions to homes, business and industry around the world. Our industry leading and proven portfolio of solutions enables people, business and industry to access clean, safe water, reduce water consumption, and recover and reuse it. We help ensure water is clean when returned to the environment. Whether it's for fitness and fun, healthier homes, better flood control, safer sky rises, more sustainable ways to farm, or safe drinking water for those who need it most, we won't stop until the world's water is managed the best way possible.

www.pentairaquaeurope.com

Sources

aquarecycle.com
laundryandcleaningnews.com
calgon.co.uk
laundryconsulting.com
lodgingmagazine.com
laundryledger.com
diverse.com

marketing.prfemea@pentair.com | www.pentairaquaeurope.com

All indicated Pentair trademarks and logos are property of Pentair. Third party registered and unregistered trademarks and logos are the property of their respective owners.
© 2020 Pentair. All rights reserved.