

# Advancing the Future of Hydropower Together

Globally, we are at a crossroads, facing unprecedented environmental challenges that require immediate action. Fortunately, technology that can help solve many of these problems already exists – and can be implemented immediately – in the form of small hydropower.



## Small Hydropower: Endless Possibilities

Most small hydropower plants are run-of-river systems, meaning they use the natural flow of small rivers or streams to generate electricity. However, today's small hydro turbines can also be installed to produce energy wherever there's a consistent flow of water, opening up a huge realm of possibilities. This includes existing water infrastructure such as old water mills and even wastewater treatment plants.

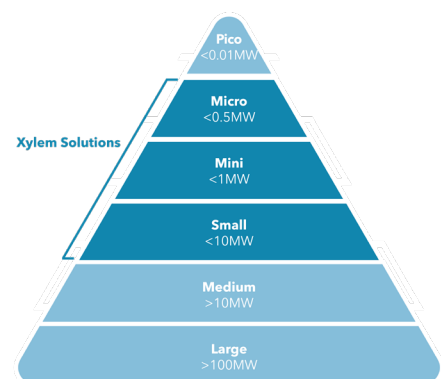
Connecting small hydro turbines to existing systems provides renewable, plannable energy without the need for new infrastructure or dams. This effectively eliminates the environmental impact of new construction and keeps water flows unaffected.



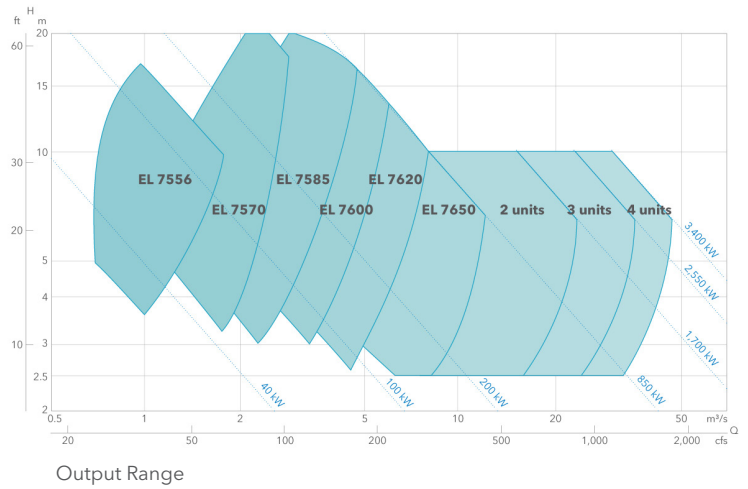
## A wave of potential: supporting the development of small-scale hydropower

Small hydropower plants are ideally suited to produce energy cost-effectively and closer to the demand centers. They can be based on existing infrastructure, which can be modernized to ensure maximum efficiency. This allows power producers to benefit from low upfront costs, while communities can enjoy a reliable, stable source of clean power for decades to come.

The sector has huge potential for growth, and its expansion would lead to improved quality of life for millions of people.



Model	Power (Kw)	Column Ø (inches)	Max Height (inches)	Max Weight (pounds)
EL 7556	45-185	32	104	3750
EL 7570	80-420	48	128	8820
EL 7585	125-800	48	168	15880
EL 7600	125-800	56	172	17200
EL 7620	125-800	64	178	19400
EL 7650	125-800	78	184	11400



## Not Sure How to Bring Small Hydropower to Your Projects?

These locations – and many more – are all viable options for small hydro turbine installations with Flygt products.

Note: These locations must have a steady, consistent flow and head of water.

- Small rivers
  - Small dams
  - Canals
  - Weirs and locks
  - Irrigation canals
  - Water supply systems
  - Municipal water treatment plants
- Wastewater treatment plants
  - Landfills
  - Fish farms
  - Industrial facilities
  - Mining operations
  - Waterfalls

## Get Started with Small Hydropower Today

As we continue to face an ever-increasing demand for renewable and dispatchable energy, now is the time to identify and seize every opportunity that sustainable hydropower creates. Together we can identify new hydropower opportunities in North America.

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