

# Nuclear Power Market

PRODUCT BROCHURE



Where Innovation Flows

# NUCLEAR EXPERTISE



Incorporated in 1906 and based in Auxerre, France, Mouvex® designs and manufactures complete solutions for the nuclear power industry and has been providing specialty pumps for nuclear applications for decades.

With our global experience and range of positive displacement pumps, Mouvex has designed a robust portfolio of seal-less and high pressure pumping solutions that are tailor-made for each application. Through our in-house hydraulic and mechanical testing capabilities, our equipment complies and is in alignment with major industry qualifications.



AFTERMARKET SUPPORT

## Manufacturing and Aftermarket Support

Nuclear power projects are managed through our dedicated project team of technical experts through the life of the project program.

We provide commissioning and aftermarket assistance, spare parts, and quality control with full documentation and traceability.

## Quality & Inspection

Mouvex designs and manufactures pumping equipment in accordance to the latest Nuclear RCC-M standards.

Our production facility is Nuclear RCC-M, ISO9001/14001 and OHSAS 18001 certified. Additionally, our facility utilizes the latest machining and process technologies with robust quality and project management systems that comply with ISO 19443 certification.

Mouvex also supports internal and external inspections and ensures each project has its own quality plan and surveillance.



QUALITY & INSPECTION

## Testing

Our testing capabilities, equipped with demineralized water loop includes:

- Liquid end hydrostatic pressure tests
- String test – complete performance tests
- NPSH tests
- Vibration tests
- Seismic and shock tests
- Noise tests



TESTING

## Mouvex Product Range and Application Experience

Our product range is composed of varying flow rates and pressure capabilities depending on the application and safety requirements.

### MPP Triplex Plunger Pumps:

MPP Triplex Pumps are currently used in most critical nuclear applications such as:

- High pressure safety injections
- Primary seal injections
- Hydraulic pressure test
- Periodical tests
- Pump mechanical seal tests



Triplex



### Eccentric Disc Pumps:

Ideal for nuclear power plant operations, Mouvex Eccentric Disc Pumps offer seal-less, self-priming and reliable performance in a variety of applications for Ultimate Diesel Generators (UDGs), including:

- Engine fuel transfer
- Oil transfer
- Coolant transfer



A Series



C Series

### Performance Data:

Available in 8 sizes with 12 different plunger sizes up to 420 hp (313 kW), including:

- Maximum Capacity: 108 m<sup>3</sup>/h (476 gpm)
- Maximum Pressure: 900 bar (13,053 psi)
- Maximum Temperature: 200°C (392°F)



PSG Auxerre  
ZI la Plaine des Isles • 2 rue des Caillottes  
F-89000 Auxerre  
France  
P: +33 (0) 3 86 49 86 30  
contact.mouvex@psgdover.com  
[psgdover.com/mouvex](http://psgdover.com/mouvex)



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