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La Calhène is an equipment manufacturer specialized in material to protect human beings in a hostile environment, protect a product against the surrounding environment, and protect the environment from hazardous products. Its customer base is half in the nuclear field and half in the pharmaceutical field.

In the nuclear sector La Calhène supplies 4 product lines: remote manipulators, transfer systems (the DPTE® range, standard and special applications), Glove Box ports, and shielded casks for transfer / transport. La Calhène supplies to 5 market segments: nuclear fuel manufacture, spent fuel recycling, radiopharmacy, laboratory / universities / units of research, and dismantling / decommissioning / sanitization.

On the basis of its long experience in the nuclear sector, Getinge La Calhène developed a set of solutions and equipment for the pharmaceutical industry, in particular for isolators and sterile transfer systems (DPTE® and DPTE-BetaBags®).

La Calhène is an active member of:



Getinge La Calhène - Transfer and Transport Systems - EN - September 2018 - © photos: Getinge La Calhène - Creation www.thinkadcom.com
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Transport and transfer casks

Shielded leaktight containers for safe transfer and transport



Shielded containers for transporting highly contaminated and radio-active materials inside a site and on public roads

La Calhène offers a range of unique packaging solutions based on the DPTE® leaktight transfer system, consisting of a shielded container, a DPTE® container and a transport carrier.

Our Engineering Design office can study tailor-made solutions for your specific project.

Our packaging systems offer safe transfer on site and (for some systems) on public roads in conformity with IAEA (International Atomic Energy Agency) regulations.

The PADIRAC™ RD15 and AGNES are certified (type B certificate).

AEB and MINI-PADIRAC, two casks for transfer and transport on site

AEB - A cask that can be immersed in a pool and docked onto a cell



AEB is designed for a DPTE® 105 mm diameter connection. Its shielding can be adapted to requirements (150, 200 and 250 mm thick lead) ; likewise, its length is variable as needed. AEB by La Calhène is primarily used for nuclear medicine applications, for transport inside a facility.

MINI-PADIRAC - A cask for transferring and shipping moderately radio-active materials



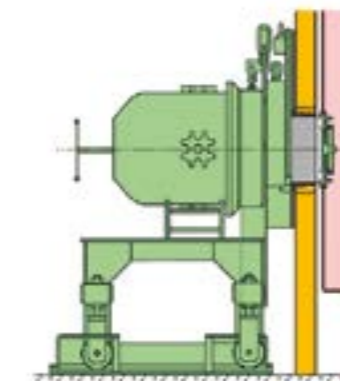
The MINI-PADIRAC, is used for applications similar to those of the PADIRAC™ since it holds the same leaktight container, but its lighter shield (25 mm thick lead) makes it suitable for less radio-active products. Containment during transfers is provided by a DPTE® 270 container. The MINI-PADIRAC is used to extract low activity waste (alpha, beta, gamma), bring a new item inside the cell and/or for transferring equipment between two cells.

PADIRAC™ and AGNES, two casks for transfer and transport on public roads

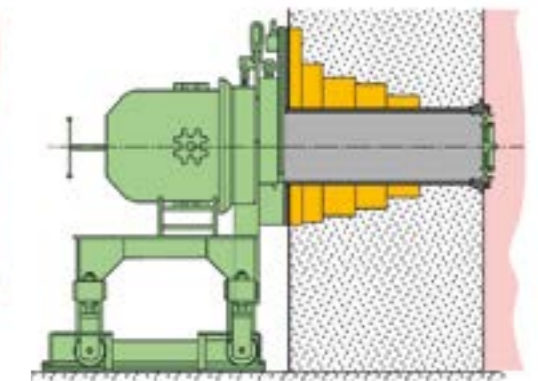
The PADIRAC™(*) - A robust, safe transfer solution



Shielded container with transport cover



PADIRAC™ docked onto a lead wall (DPTE® alpha type mounting)



PADIRAC™ docked onto a concrete wall (DPTE® gamma type mounting)

The Padirac™ is designed to transfer and transport radio-active materials (alpha, beta and gamma emissions) while providing protection against irradiation and maintaining containment. The Padirac™ meets international standards for shipment on a public road (type B certification), when encased inside its transport shell.

A complete range of accessories is available for this cask: lifting fork, transport cover, transport shell, cask stand, supporting table, shielded sliding door, actuating rod.

The Padirac™ is available in lead thicknesses of 100, 150 and 200 millimetres according to application. The shielded cell door is available with biological protection 50, 100, 200, 250 or 300 millimetres thick.

The cask holds a 20 litre DPTE® 270 container, made of stainless steel or polyethylene depending on the application.

(*) PADIRAC "Permet d'Absorber des Déchets IRrAdiants et Contaminés" (Absorbs Radio-Active Contaminated Waste)

AGNES - A solution for shipping on public roads, with flexible loading methods



Like the PADIRAC™, the AGNES system offers alpha, beta and gamma protection levels in a single piece of equipment. It contains a cluster holder basket which can be interfaced with a DPTE® 105. AGNES provides operator and environmental security, fast loading and unloading and transport on public roads.

AGNES can be loaded in direct connection on a DPTE® double door as well as in a liquid environment (pool or reactor).

