

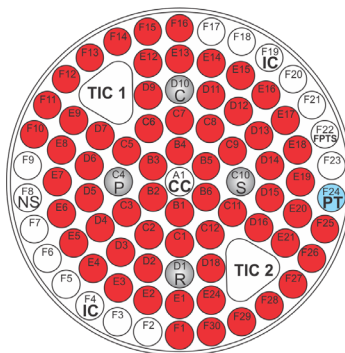
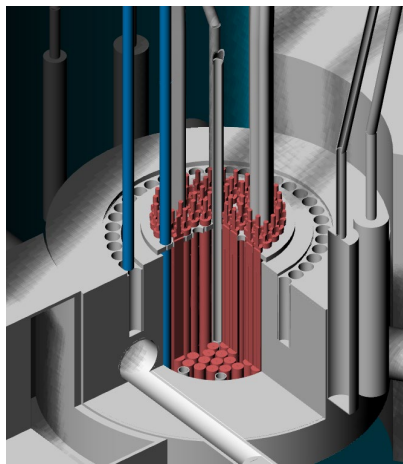
## F 24 PNEUMATIC TRANSFER SYSTEM

Features:

- Dry tube equipped with the pneumatic transfer system. Samples are inserted and retrieved in the reactor basement or chemistry lab.
- 2 cm in diameter, 5 cm high.
- Only for irradiation up to 3 h.

Calculated properties at 250 kW:

	Neutron flux [ $\text{cm}^{-2}\text{s}^{-1}$ ]
Thermal ( $< 0.625$ eV)	$2.44 \times 10^{12}$
Epithermal ( $0.625 - 10^5$ eV)	$2.00 \times 10^{12}$
Fast ( $> 10^5$ eV)	$2.05 \times 10^{12}$
1 MeV equivalent	$1.92 \times 10^{12}$
Total	$6.50 \times 10^{12}$



- Fuel Element 20 %  $^{235}\text{U}$
- Control Rods
- NS** Neutron Source
- IC** Irradiation Channel
- FPTS** Fast Pneumatic Transfer System
- PT** Pneumatic Transfer System
- CC** Central Irradiation Channel
- TIC** Triangular Irradiation Channel

