

# Pumps for nuclear power plants

## RER Reactor coolant pump



DN	max. 800
Q [m³/h]	max. 40000
H [m]	max. 140
p [bar]	max. 175
T [°C]	max. +350
n [min⁻¹]	max. 1800

Higher values available upon request

**Design:** Vertical, single-stage reactor coolant pump RCP with forged annular casing plated on the inside, with diffuser; either with integrated pump thrust bearing or shaft supported by motor bearing.

**Applications:** Reactor coolant recirculation in nuclear power plants (PWR).

Reference no. 1682.021

available in 50 Hz and 60 Hz

## RSR Reactor coolant pump



DN	max. 750
Q [m³/h]	max. 24000
H [m]	max. 215
p [bar]	max. 175
T [°C]	max. +350
n [min⁻¹]	max. 1800

Higher values available upon request

**Design:** Vertical, single-stage reactor coolant pump RCP, with cast casing, shaft supported by motor bearing.

**Applications:** Reactor coolant recirculation in nuclear power plants (PWR, PHWR, BWR).

Reference no. 1665.021

available in 50 Hz and 60 Hz

## RUV Reactor coolant pump



DN	max. 650
Q [m³/h]	max. 22000
H [m]	max. 111
p [bar]	max. 155
T [°C]	max. +350
n [min⁻¹]	max. 1800

Higher values available upon request

**Design:** Vertical, single-stage reactor coolant pump RCP. Seal-less design with integrated wet winding motor and integrated flywheel. Product-lubricated bearings, no oil supply systems required.

**Applications:** Reactor coolant recirculation in generation III+ nuclear power plants (PWR).

Reference no. 1669.021

available in 50 Hz and 60 Hz

## PSR Reactor internal pump



DN	max. 600
Q [m³/h]	max. 9000
H [m]	max. 45
p [bar]	max. 75
T [°C]	max. +300
n [min⁻¹]	max. 2000

Higher values available upon request

**Design:** Vertical pump set integrated in the reactor pressure vessel RIP, seal-less pump with leak-free, low-maintenance wet winding motor.

**Applications:** Reactor coolant recirculation in boiling water reactors (BWR).

Reference no. 1576.021

available in 50 Hz and 60 Hz

## RHD Feed water pump



DN	125 - 500
Q [m³/h]	max. 6500
H [m]	max. 1000
p [bar]	max. 150
T [°C]	max. +210
n [min⁻¹]	max. 6500

Higher values available upon request

**Design:** Horizontal, single-stage, double-entry main feed water pump MFWP, cast or forged variant.

**Applications:** Main feed water supply (MFWS) in steam generation systems of nuclear power plants.

Reference no. 1668.023

available in 50 Hz and 60 Hz