



High Pressure Rotary Tank Cleaning Nozzle

# TankJet® HPR Series High Pressure Rotary

■ Features

High pressure rotary tank cleaning nozzle with the Pelton turbine

● 3 types available according to your needs

3 types of nozzles available: 2D rotary nozzle, 3D rotary nozzle and 2D+3D rotary nozzle. Fine lattice and compact types are also available according to application needs and purposes. Each type is available with a lineup of different pressure ranges.

● Highly durable

Improved durability and easier maintenance with less construction parts.

■ Applications

- Food industry (brewing tanks, distillation kilns, storage tanks, beverage tanks, etc.)
- Chemical industry (reactors, storage tanks, containers, mixing tanks, chemical tanks, etc.)
- Other industries (yarn spinning, petroleum, shipbuilding, steelmaking, paper, nuclear power, etc.)

● Pelton turbine design

Supply water flows through the turbine to rotate the nozzle at stable and controlled rotational speed. The HPR series nozzle provides high impact jet for effective cleaning using less water, contributing to water consumption and work time reductions.

● Compatible with lifting units

The HPR nozzle combined with a lifting unit offers automatic cleaning. For areas with more cleaning concerns, the nozzle can be paused to provide intense, focused cleaning. The HPR nozzle is well suited for hose reel type units due to its stability with minimum swinging while being hanged.

※We recommend using HPR high-pressure strainer if hanging the nozzle by a hose reel.

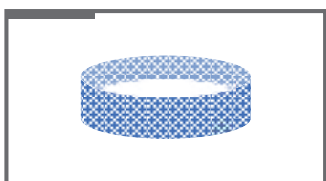
■ Spray coverage

360° covering entire surface



For even cleaning of entire surface inside the tank

360° circumferential direction



For efficient cleaning in horizontal circle, e.g. waterlines.

2D+3D rotation

2 rotational mechanisms listed above in one nozzle body.

Specifications					
Part number	HPR2	HPR3	HPR2/3	HPR3-FL	HPR3-C
Rotation	2D	3D	2D+3D	3D(Fine lattice)	3D(Compact)
Operational pressure range [MPa]	0.5~21				
Spray distance*1[m]	1.7~5.4				3.2~4
Rotational speed**2[rpm]	5~14				
Duration per cycle**4[min]	—	10.2~3.7	14.2.~5.1	7.3~3.7	
Drive mechanism	Pelton turbine				
Operational temperature range[°C]	5~80(95)*3				
Main material	SUS303, SUS304, PEEK, fluorine rubber CPTFE, UPE				
Weight[kg]	~3.8	~4.5	~4.7	~4.5	~3.9
Connection	Rc3/4*4, Rc 1/2*5				Rc 1/2

※ Outer Body #400 Buff Polishing  
 ※1 Estimated value sprayed in horizontal direction.  
 ※2 Estimated value for reference only. ※3 95 °C is optional.  
 ※4 Pressure range -01,-05,-10 (excludes compact type)  
 ※5 Pressure range -15,-21 (-10 included for the compact type)

