

PILER JET - PJ3

Patented



Main Body Exterior

Specifications

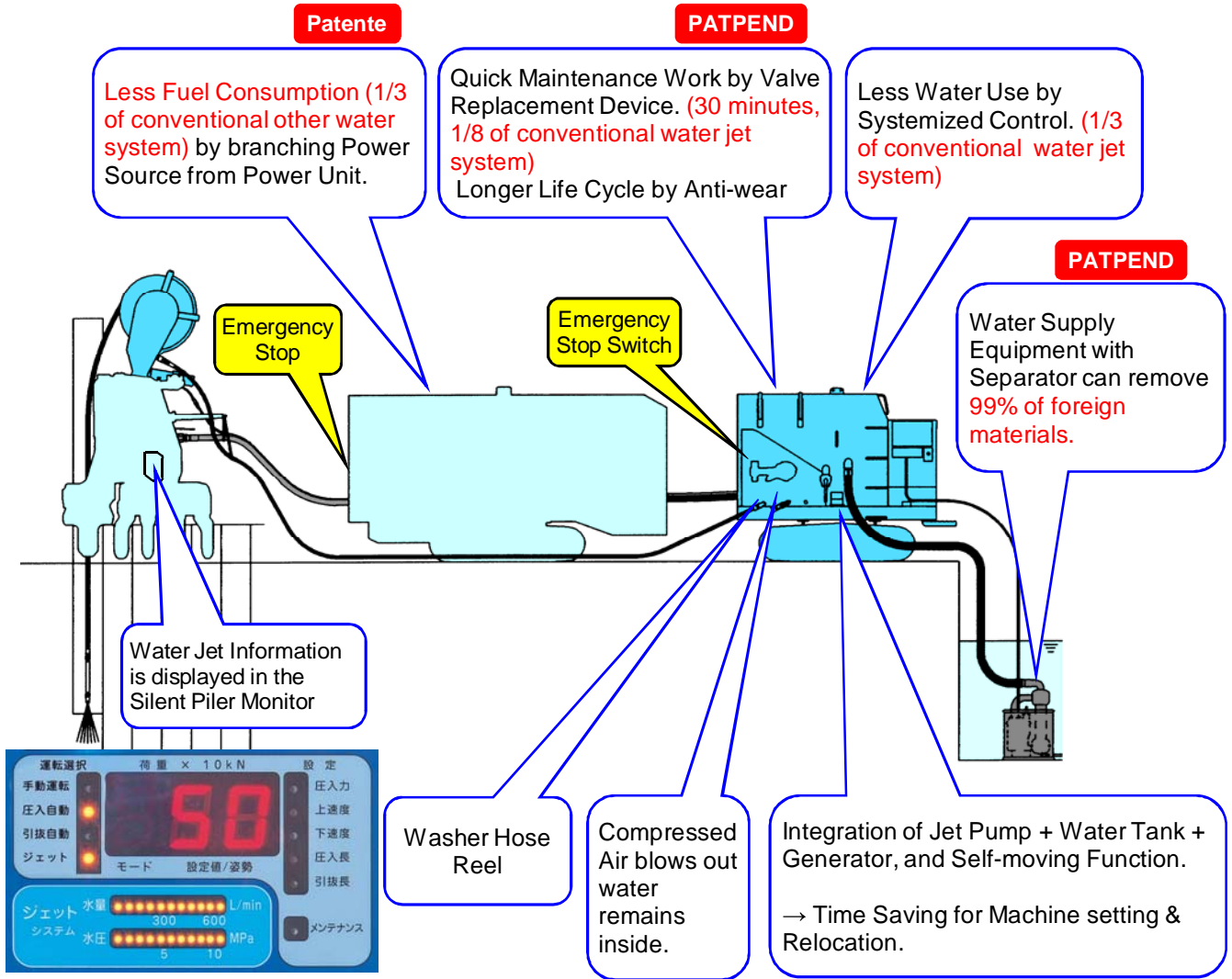
Power Source	Branched from Silent Piler Power Unit (EU300) / 165kW (225P)	
Jet Pump Outflow	(EU300)	60 ~ 600 L/min
Jet Pump Pressure		Max. 10 MPa (102kg/cm²)
Water Flow Control Mode	10 modes	
Submerged Pump Power Output	5.5 kW	
Submerged Pump Water Outflow	600 L/min	
Water Tank Capacity	1800 L	
Power Generator	25 KVA (Submerged Pump 11kW)	
Water Drain Compressor ※	40 L/min - 0.9 MPa	
Water Drain Air Tank Capacity ※	50 L	
Crawler	1.4 km/h (Cable Control)	
Length	2980 mm	
Width	2100 mm	
Height	2350 mm	
Weight	4000 kg (Tank Empty) / 6000 kg (Tank Full)	

※For draining water from inside the suction hose and Super Jet Hose by compressed air in Winter season

Main Features of Piler Jet - PJ3

Operation by Silent Piler Radio Controller
& Information Displayed in Silent Piler Monitor

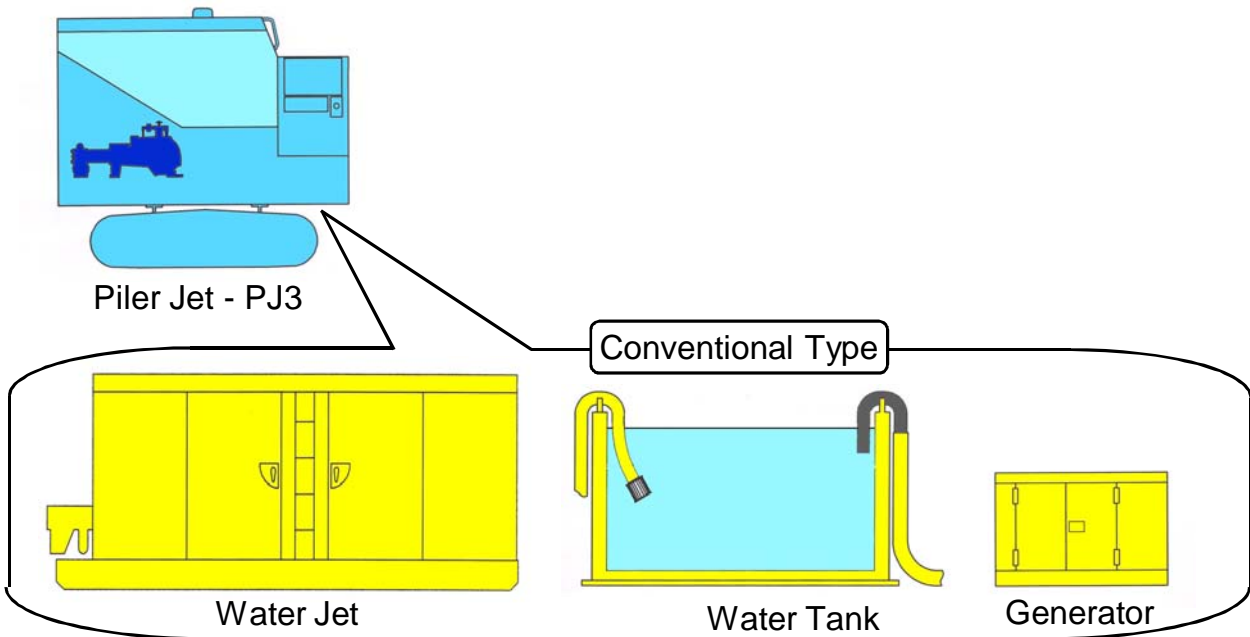
Major Reduction of Water Use & Fuel Consumption
by Systemized Control and Automation



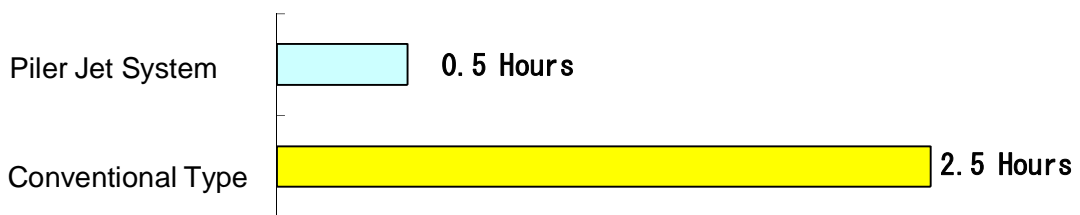
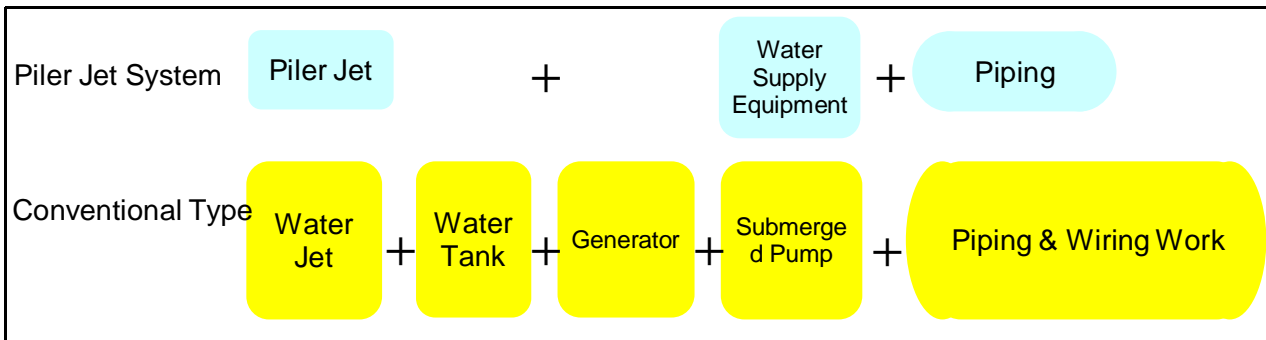
Pursuing Reduction of Labour

Integration of All Function to Piler Jet

Setting Time — No Water Tank & Generator are required

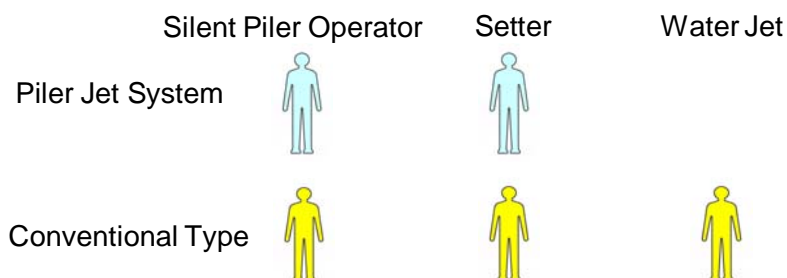


Comparison with Other Water Jet



30 minutes for Setting Up (1/5 of Conventional Type)

Necessary Work Force

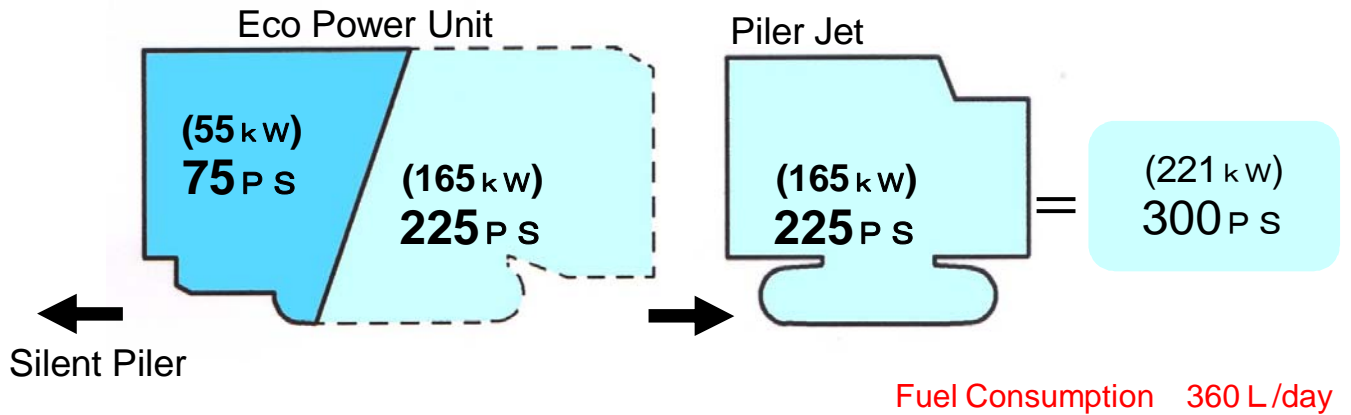


Reduction of Working Staff from 3 to 2 People

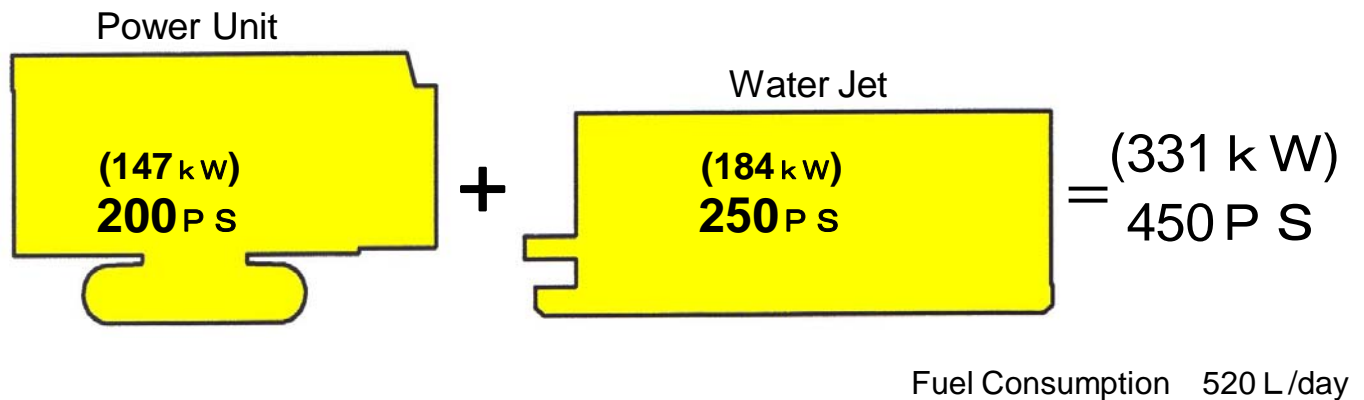
Reduction of Fuel Consumption

**Branching Power Source from Silent Piler Power Unit.
No Separate Generator is Required.**

Piler Jet System



Conventional System



Great Reduction of the Running Cost by Optimum Distribution of Power

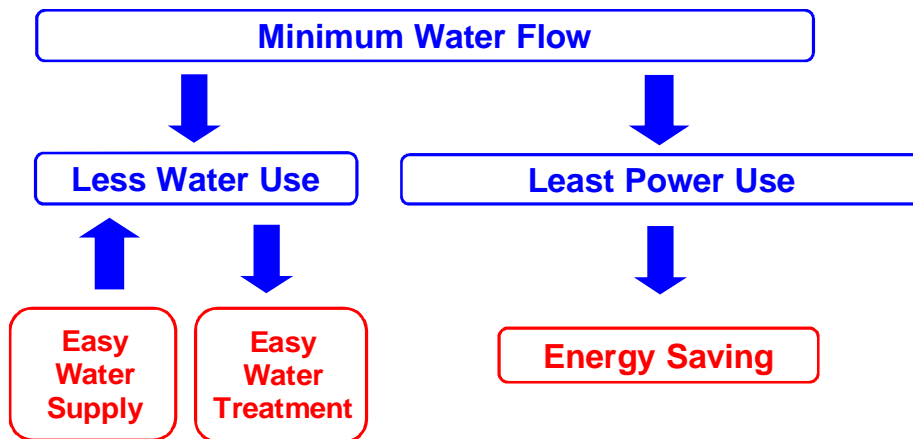
Comparison of Monthly Fuel Consumption



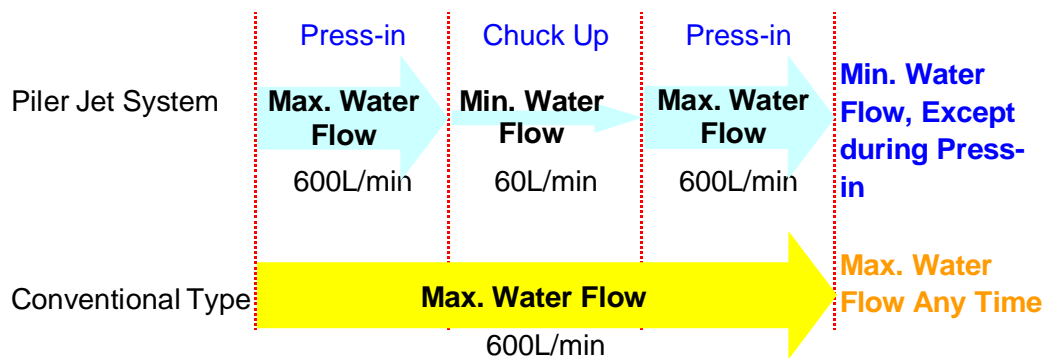
4,800 L of Fuel can be saved in one month

Min. Water Use by Systemized Control

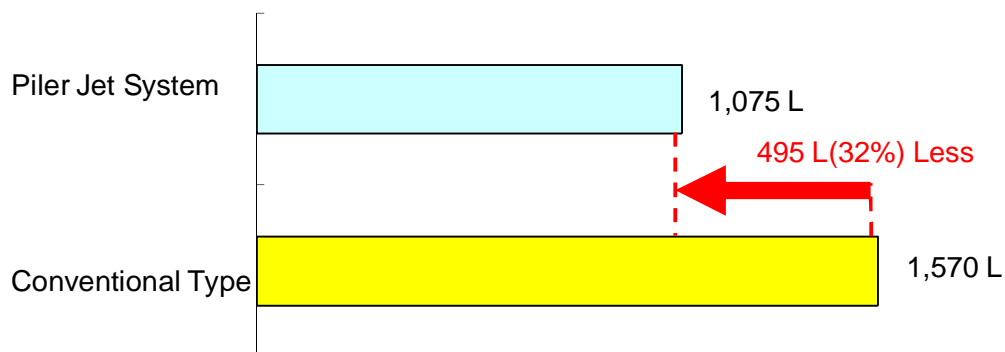
Sequential Operation with Silent Piler



Comparison with Conventional System

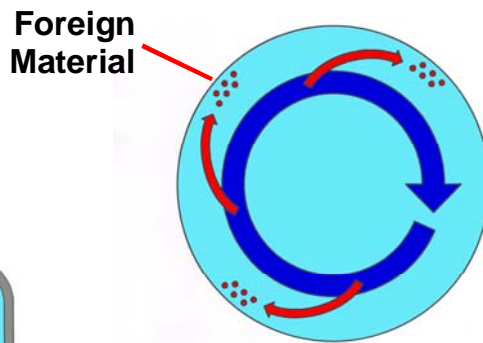
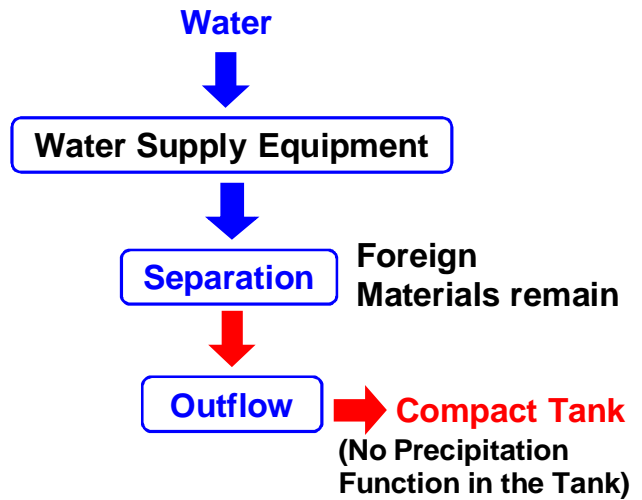
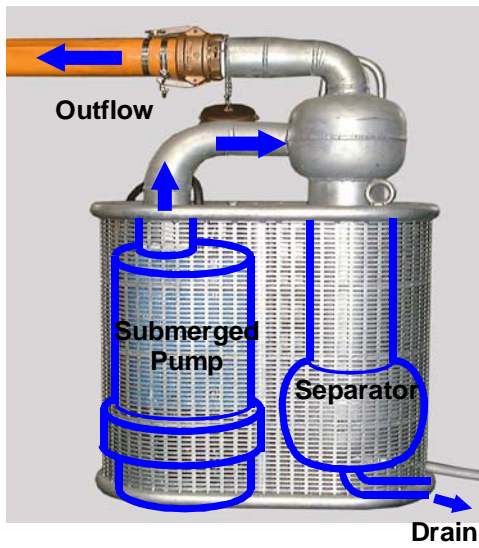


Comparison when installing a 10m long sheet pile

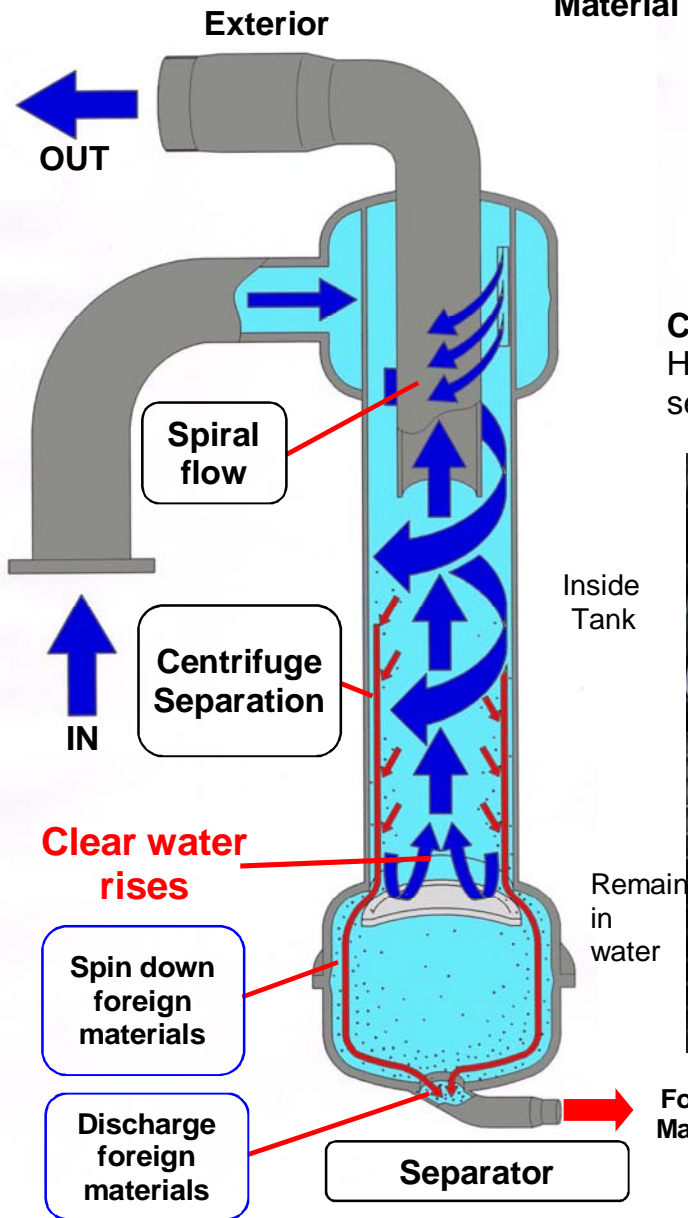


Water Supply Equipment

Foreign Materials are Separated by Water Supply Equipment



Centrifuge Separation
Heavier density foreign material is separated to outside.



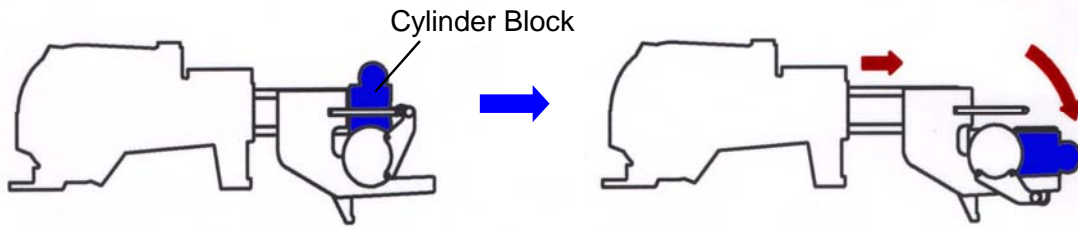
Foreign Materials Separation Result

99% of Foreign materials drained.

Easy & Quick Maintenance

Quick Recovery from Emergency Case by Easy Handlings

Easy handling was designed by Jointly developed with Pump Manufacturer
Preinstalled Maintenance Device **PATPEND**



Remove Bolts (8 nos)

Slide and rotate Cylinder Block

Maintenance the Heavy Cylinder Block on the Preinstalled Device

Reduction of Labour



Piler Jet System

0.5 Hours

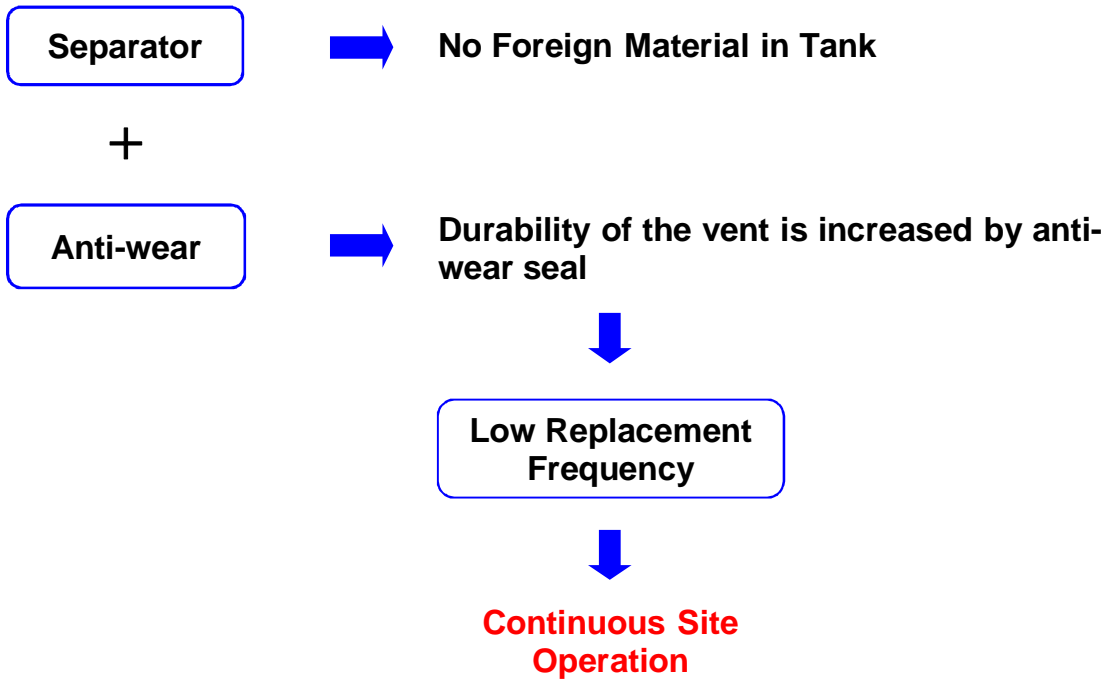
Conventional Type

4.0

Replacement of the valves or maintenance requires only 30 minutes
(1/8 of Conventional System)

Upgraded Jet Pump Durability

The durability is upgraded by Separator and Anti-wear Vent



Suction Vent

Discharge Vent



Anti-wear Seal

Anti-wear Seal