

PROVIDING EFFICIENT CLEANING OF TANK VESSELS WITH PROVEN DESIGN AND VERSATILITY



The FluidControl Tank Cleaning System has been designed specifically for the purpose of reducing personnel entry into the tanks as well as for minimizing the amount of waste water generated.

The system comprises of two wash water holding tanks; one for the dirty water returning from the cleaning operations and one for the clean water used for jetting. The wash water is pre-treated with surfactant before any cleaning commences. A MONO progressive cavity pump is used for supplying wash water to the jetting nozzles inside the tanks being cleaned and a Mission centrifugal pump is used for creating a wash water circuit.

This circuit is used to convey the slurry back to the system. The returned dirty water is fed through a decanter centrifuge in order to remove the bulk of the solids. The clean water is discharged

into the clean water holding tank and is available for re-use. Upon completion of the tank cleaning, the wash water is chemically treated to separate the oil, water and solids so that the clean water can be discharged overboard whilst only the heavily contaminated sludge is returned to shore for further treatment.

Advantages and Benefits

- Faster cleaning times – less downtime
- Less personnel entry – safer working environment
- Reduced waste – lower disposal costs and environmentally friendly
- Can be used to treat slop water when tank cleaning is not required

Nominal Specifications and Dimensions

Dimensions (L x W x H)	4000 mm x 2450 mm x 2890 mm (157 in x 96 in x 114 in)
Weight empty	8000 kg (17,637 lbs)
Wash water volume	8 m ³ (282.5 ft ³)
Jetting pump	MONO C17B
Jetting pump performance	28 m ³ (989 ft ³) / hour at 10 bar
Recirculation pump	Centrifugal – 3 in Outlet with fig 206 Anson hammer union
Recirculation pump performance	100 m ³ (3531 ft ³) / hour at 3 bar
Centrifuge feed pump	MONO C15B
Centrifuge feed pump performance	10 m ³ (353 ft ³) / hour at 5 bar
Filling pump	Air-operated 2 in diaphragm pump
Electric specification	ATEX Zone 2
Frame design	DNV 2.7 - 1