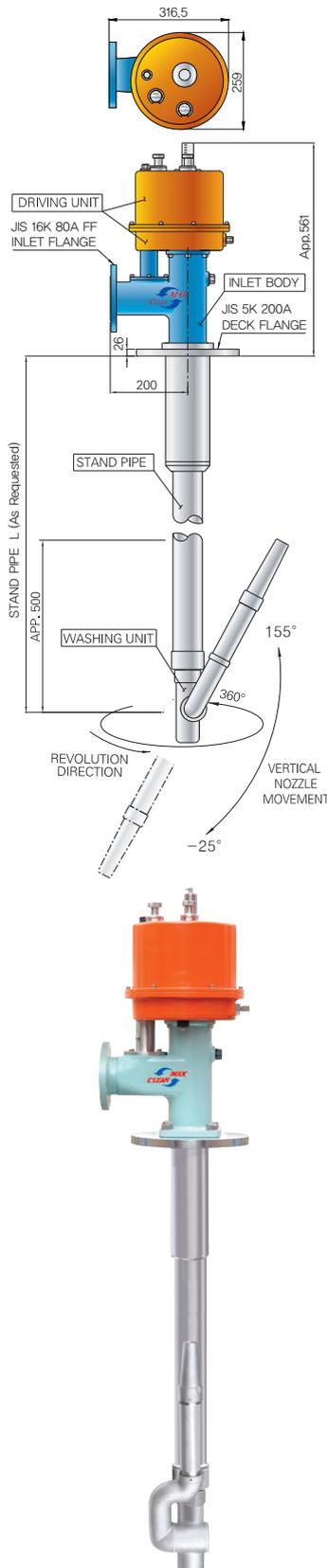




# Tank Cleaning Machine



## UPM Series

### > Programmable Single Nozzle Tank Cleaning Machine

#### Introduction

CLEANMAX UPM-4050 and UPM-6580 are completely a programmable single nozzle Tank Cleaning Machine to be equipped on the mounted tank top or deck. It will allow adapting in crude oil and product/chemical tankers as well as industrial applications.

TANKTECH can provide the COW(Crude Oil Washing) manual and the shadow diagram to be thoroughly complied with the latest IMO Assembly Resolution A.897(21).

Optimized single nozzle unit of CLEANMAX will give much more advantages compared with twin nozzle unit deliberating on the savings in pumping, stripping and piping and more longer effective jet length.

#### Programmable Operation

- Horizontal revolution : 360°
- Vertical movement : -25°~ 155°
- Pitch for vertical movement : 1° and 3°
- Speed adjustment : Low, High
- Single or multi stage operation at any desired angle range



#### Advantages

- Easy operation setting & all visible indication
- Compact design
- All setting can be adjusted during washing without stopping of cleaning agent supply.
- Infinite repeating cycle without stop of washing operation after setting of operation range
- No further requirement after setting of any required range
- Easy maintenance & inspection

#### Operation

CLEANMAX UPM series is the fluid-driven machines and their spiral motion for the single nozzle fully managed by the integrated turbine driven control unit.

It can set up to control a vertical pitch of nozzle as like 1° and 3° so that it is able to adjust the cleaning time and cleaning frequency, injection density during washing operation. It is possible to vary the cleaning time by setting the speed adjustment knob under the same flow rate.

Most of all, it is possible to set up any required washing range within -25° to 155° during single or multi-stage operations.

#### General Data

• Connection:	- Inlet	JIS 16K 40A/50A/65A/80A/100A Other standard available
	- Deck	JIS 5K 150A
• Weight	- Machine with 2.0m length of stand pipe	87 kg
	- Per additional meter of stand pipe	12 kg

(Based on 80A stand pipe)