

## VP Watergun and Tripod



### Description

- ▶ A powerful water gun with low recoil for rapid cleaning of deck and bulk cargo holds
- ▶ Suitable for use on a wide range of Bulk Carriers
- ▶ Lightweight maintenance free construction

### Performance Specification

- ▶ Offering effective jet lengths of up to 25m (82ft) and water throw of 30m (98ft)
- ▶ Effective use of water throughput between 12 - 18 m<sup>3</sup>/hr (53 - 80 US gal/min) at 4 kg<sup>2</sup>/cm (58psi)
- ▶ Minimum air requirement of 3m<sup>3</sup>/min at 7kg/cm<sup>2</sup> (105 cu.ft/min at 98psi)

### Design

#### Nozzle Configuration

- ▶ Integral venturi introduction of air to increase water force and throw
- ▶ Ideally suited for low water pressure - 4kg/cm<sup>2</sup> (98psi)
- ▶ Maintenance free and ultra lightweight aluminium construction

#### Supply Connection

- ▶ Water inlet via 2" BSP male threaded connection
- ▶ Air Supply Via a 2 lug EU "Q" type claw coupling
- ▶ Integral air supply ball valve fitted as standard

#### Options

- ▶ Various connections and hose supply lengths available

#### Jet Length

- ▶ Maximum Up to 30m (98ft)
- ▶ Typical Between 20m - 25m (66 - 82ft)

#### Operating Water Pressure

- ▶ Maximum 7 kg/cm<sup>2</sup> (100psi)
- ▶ Optimum 3 - 5 kg/cm<sup>2</sup>
- ▶ Capacity 12 - 18 m<sup>3</sup>/hr (50 - 80 US gal/min)

#### Operating Air Supply

- ▶ Maximum 9 kg/cm<sup>2</sup> (129psi)
- ▶ Optimum 6 - 9 kg/cm<sup>2</sup> (85 - 114 psi)
- ▶ Consumption 3 m<sup>3</sup>/min at 7 kg/cm<sup>2</sup> (105 cu.ft/min at 98psi)

#### Materials

Aluminium Alloy (BS6082 HE30)  
Epoxy coated enamel

#### Max. Operating Temp

75°C (160°F)

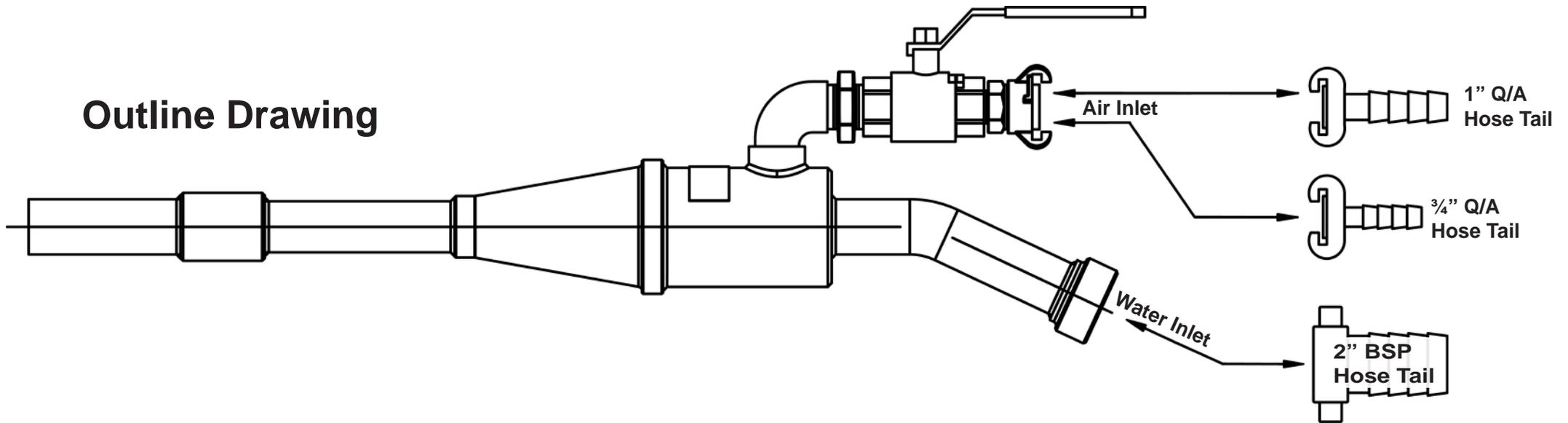
#### Installation

- ▶ Water Supply 2" BSP male threaded connections
- ▶ Air Supply 2 Lug EU "Q" type "claw" coupling or via 1" BSP female threaded inlet to integral ball valve

#### Weight

10.5 kg (23.1 lbs)

## Outline Drawing



## Operation

- ▶ Connect suitable water and air connections (see outline drawing and technical specifications).
- ▶ Allow water to pass through water gun first (recommended water supply of 3 bar / 44psi). Then slowly apply air pressure by opening ball the ball valve (recommended air supply pressure 7-8 bar / 100-120psi). With both recommended air and water pressures, an approximate effective water jet of 20 meters is possible and a maximum water throw of approximately 30 meters. Improved performance can be achieved by increasing the water supply pressure to 4-5 bars (58-72psi), but some considerable increase in recoil force may be experienced.

## The Equipment

- ▶ A novel hose nozzle, designed to project an otherwise poor water jet into a forceful effective water jet with the introduction of compressed air.
- ▶ Had held or mounted on a simple tripod to alleviate operator fatigue in cases of higher pressure recoil or for prolonged periods of washing time.

