

Turbine Proportioner

Orion TFP-4

Description

The Orion Turbine Proportioner is a water-driven positive displacement foam pump. It uses the flow of water from the firewater piping to drive an integrated foam pump, giving high foam proportioning accuracy across the entire flow range of the unit at a range of inlet pressures. For 3% proportioning.

The Orion TP-4 includes a bypass feature to allow foam testing and commissioning to take place without having to inject foam into your water.

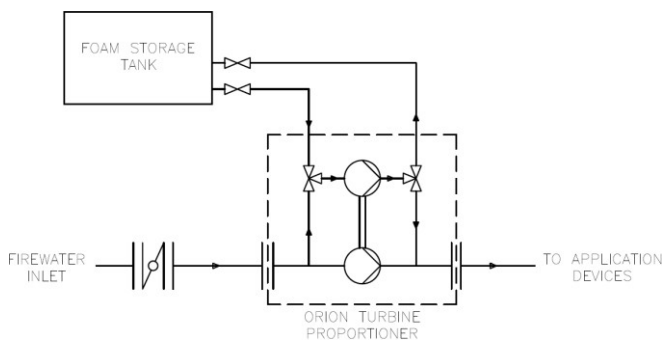
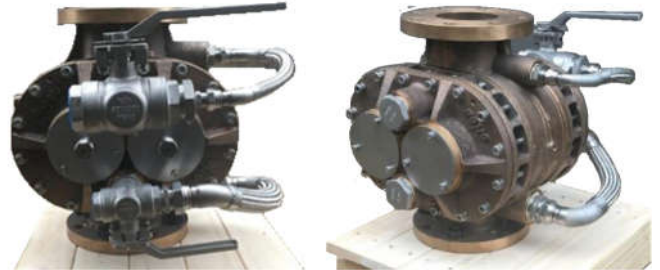
Key Features

Key features that make these units advantageous are:

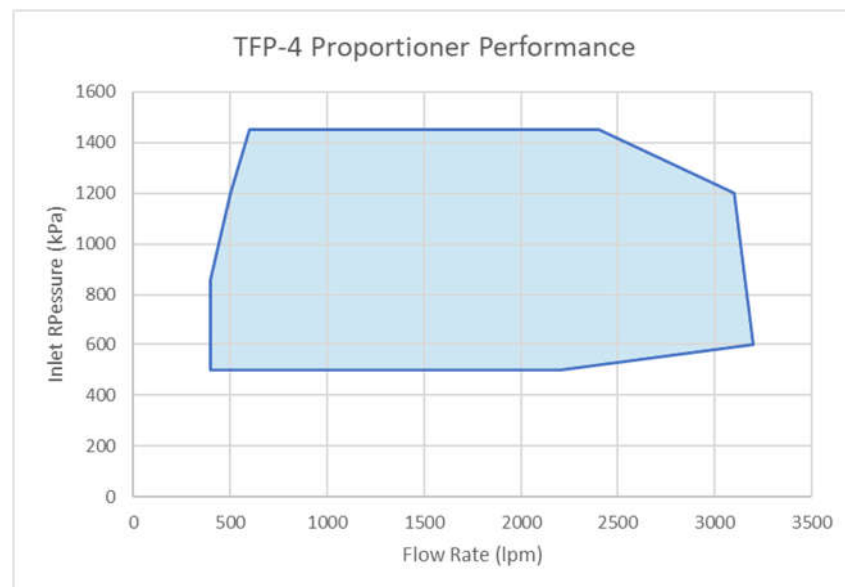
- Suitable for use with seawater and freshwater
- No power source required
- Foam bypass loop for easy commissioning and testing
- Suitable for use in hazardous areas
- Suitable for a wide flow range
- Low Maintenance

Operation

No special start up procedures are required, simply turn on the firewater supply and the turbine proportioner will begin injecting the foam.



Performance Graph



Technical Specifications:

		Orion TP-4
Performance	Operating Flow Rate (lpm)	600 – 3,200*
	Operating Pressure Range (kPa)	600 - 1,200*
Materials	Body	Bronze LG2
	Rotors	SS316, Coated
	Timing Gears	Bronze AB2
	Foam Gears	Foam resistant polymer
	Fasteners	SS316
	Water Connection Flanges	100mm ANSI FF
Dimensions	Foam Suction Connection	40mm BSP
	Foam Delivery Connection	25mm BSP
	Dimension A (mm)	404
	Dimension B (mm)	181
	Dimension C (mm)	252
	Dimension D (mm)	285
	Dimension E (mm)	90
	Dimension F (mm)	100
	Mounting Holes	M10
	Weight (kg)	145 kg

- See chart
- NOTE: The performance envelope varies with concentrates. Contact Orion for detailed design data.

