

Orion Washdown Monitors

An automated remote-controlled monitor ideal for washdown applications



orion

High Performance Fire Protection



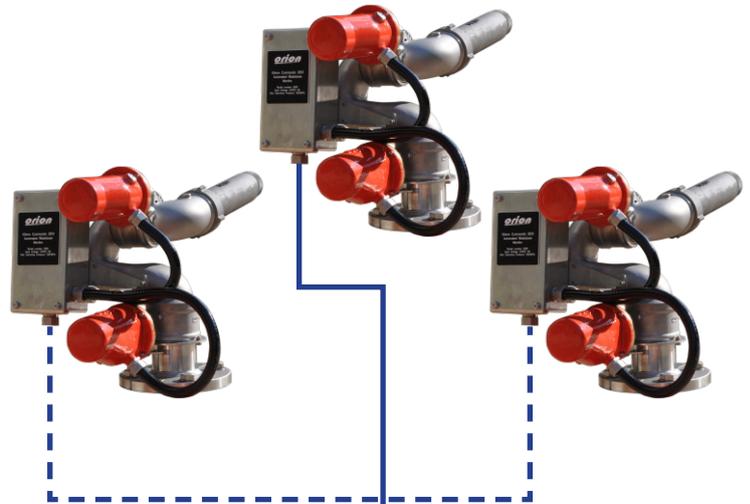
The Orion automated washdown monitor system is a highly effective remote controlled monitor with automated capability.

Aimed towards washdown processes, this monitor can be set to replay operator-trained routines to remove the requirement of human interaction. Their operation can be triggered automatically from a switch input or from an operator input.

The system uses Orion's 316L stainless steel monitors, and combines it with a robust control system to give the user a system that they can rely on for many years.

The standard system consists of a monitor and single controller; however, Orion can configure a system to suit almost any user requirements.

System Arrangement



Why Choose an Orion Product?

Australian Designed and Manufactured with 30 Years Experience in the Fire Fighting Industry

Our products are designed and manufactured in our facility in Sydney, Australia.

We have been manufacturing products for the fire fighting industry for over 30 years, which gives us product and application knowledge which is second to none.

High Performance

Performance characteristics which are the envy of all of our competitors.

Corrosion Resistance

In many applications it is corrosion that compromises the life of the equipment. Our monitors are designed so that there are no components exposed to the environment which could be subject to corrosion, improving product reliability and reducing system down time.

Flexible Control Options

A number of monitors can be controlled from a single control point, whether that is a fixed control station (joystick panel/ PC), or a portable device such as a mobile phone.

Easy Installation

With only power and a communication cable required to connect each device, installation times are minimised.

Easy Commissioning

The system can easily be configured from the control software, resulting in shorter Commissioning times.

Robust and Fault Tolerant

Our equipment is designed and manufactured to ensure it can cope with unexpected events.

Low Cost of Ownership

Combining all of the items above result in monitors which have very low maintenance requirements, and therefore very high levels of system up time, allowing for years of trouble-free product use.



Joystick Control

Mobile Phone/Tablet

Computer Control

Control Options

Control options include a fully featured web control interface that only requires an Ethernet connection and any computer (or phone) with a browser for full control.

The web interface includes variable (proportional) speed control, which allows the user to vary the speed of monitor movement from the joystick, resulting in more accurate positioning (Internet Explorer 10 and later)

The monitor can also be controlled via RS-485/Modbus or Modbus TCP/IP over Ethernet using just a joystick or with an HMI.

Benefits of an Orion Washdown Monitor

Automation

Our products are fully automated. Whether you want to manually control the movement, or record pre-set movement routines and replay them singularly or continuously, our monitor is designed to work for you.

Adjustability

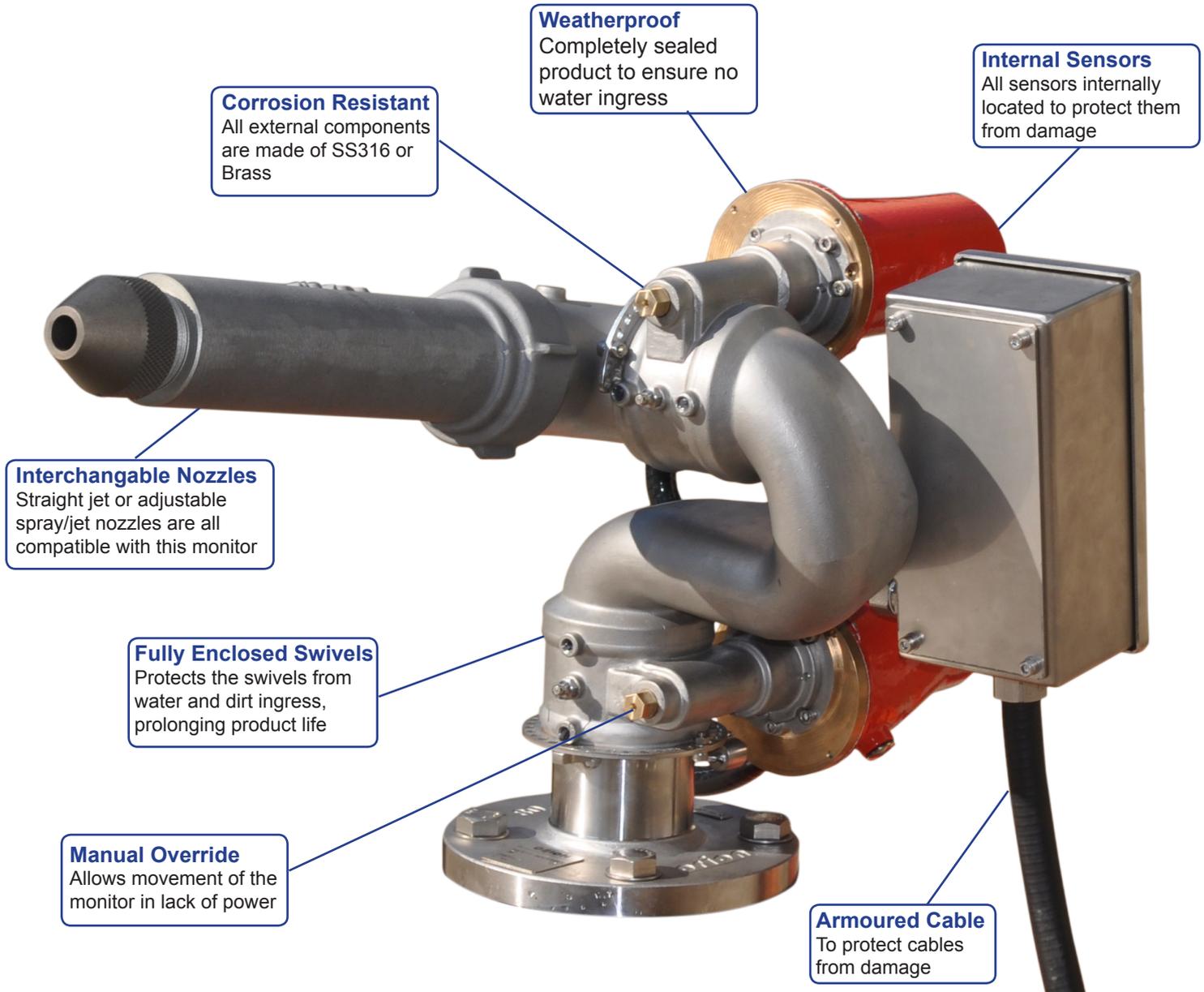
An Orion monitor can be configured using a web browser. Items such as movement limits and speed are easily adjustable to give you complete control over the product.

Feedback

Our monitors provide feedback to your control system, displaying items such as monitor position and status, as well as a fault-finding capability to reduce system down-time.

Flexibility

With our Washdown Monitor system you can control more than one monitor from a single web interface. The system can also be customised to control other items such as valves etc.



Wide Movement Limits

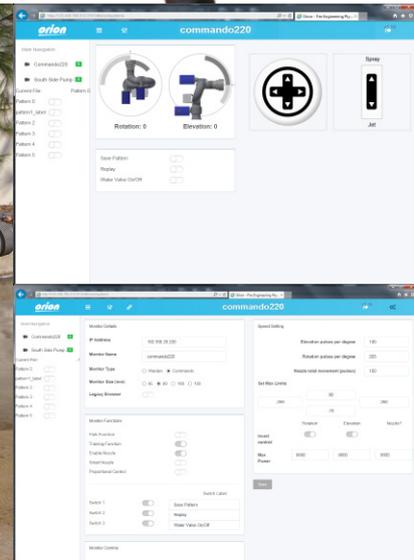
Our electric monitor ranges have market-leading movement limits, creating a very versatile monitor that can work around your particular site requirements.



+90° and -75° of vertical movement

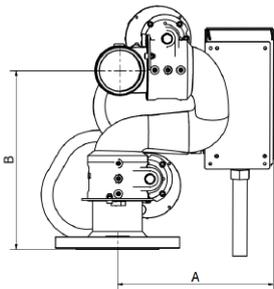


+250° and -250° of horizontal movement

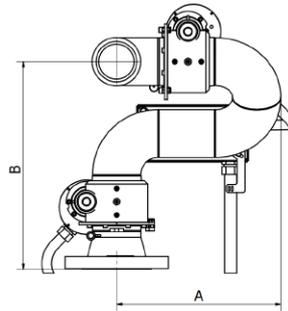
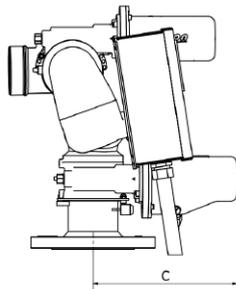


Specifications

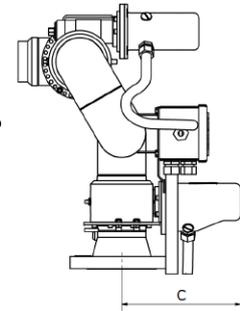
		Commando 2651	Commando 3651
Performance	Maximum Recommended Flow	2,500 lpm	4,500 lpm
	Horizontal Movement	-250° to +250°	
	Vertical Movement	-75° to +90°	
	Motor Current (each) - Normal	2.5 Amp	
	Motor Current (each) - Max.	5 Amp	
Materials	Waterway	316L Stainless Steel	
	Swivels	316L Stainless Steel	
	Inlet Flange	316L Stainless Steel	
	Balls	Brass	
	Grease Nipples	316L Stainless Steel	
	Fasteners	316L Stainless Steel	
	Motor Housing	Brass	
Dimensions	Inlet Connection	Flanged 80mm ANSI 150	
	Outlet Connection	65mm BSP Male	80mm BSP Male
	A (mm)	240	305
	B (mm)	280	385
	C (mm)	225	220
	Weight	18 kg	24 kg



Commando 2651



Commando 3651



ISO 9001 Certified



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