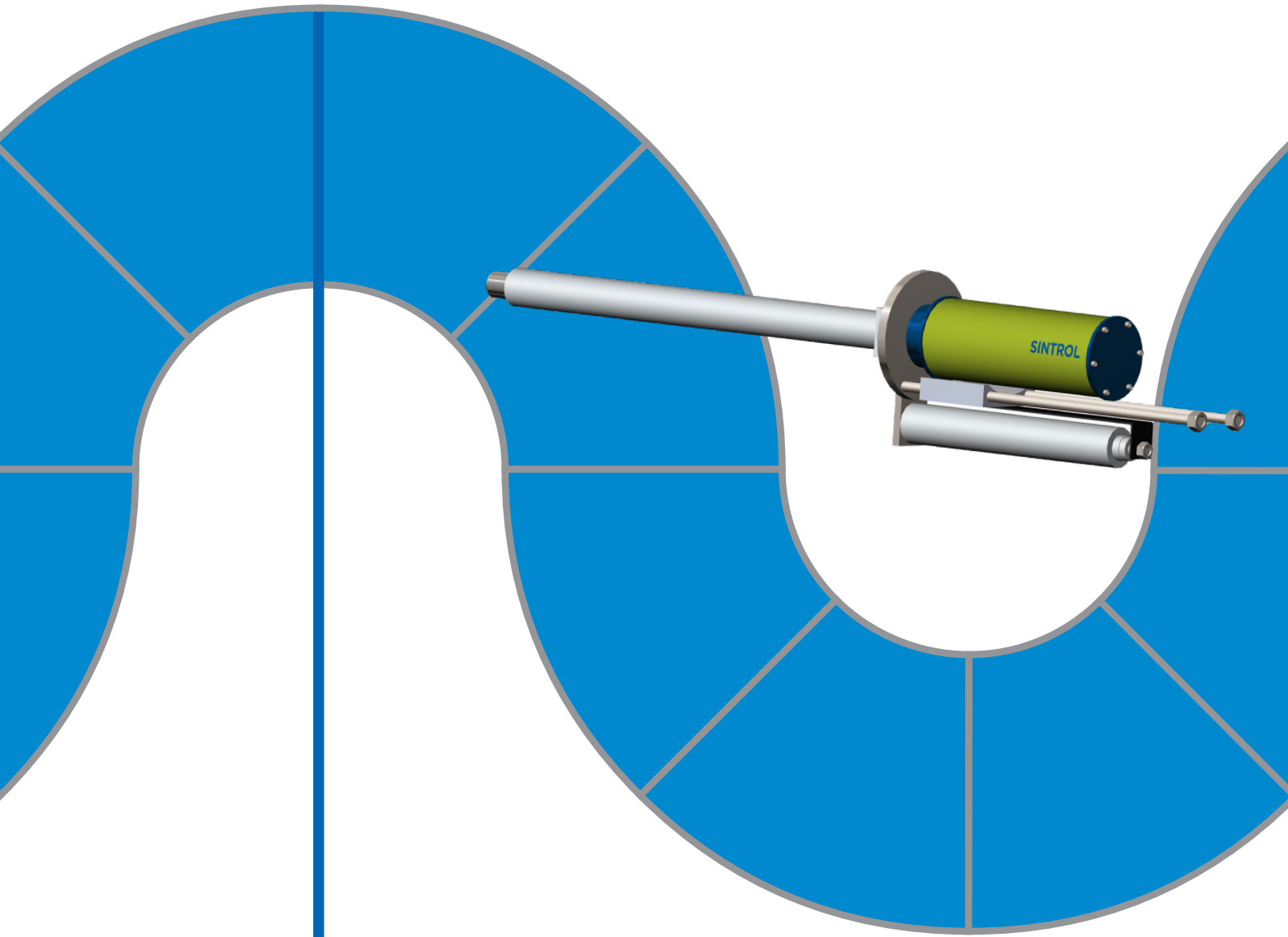
PRODUCT BROCHURE

SINTROL VULCAN12MP

High Temperature Imaging System



VULCAN12MP - For Recovery Boilers

Pyro-Viper-HD -Software

SINTROL

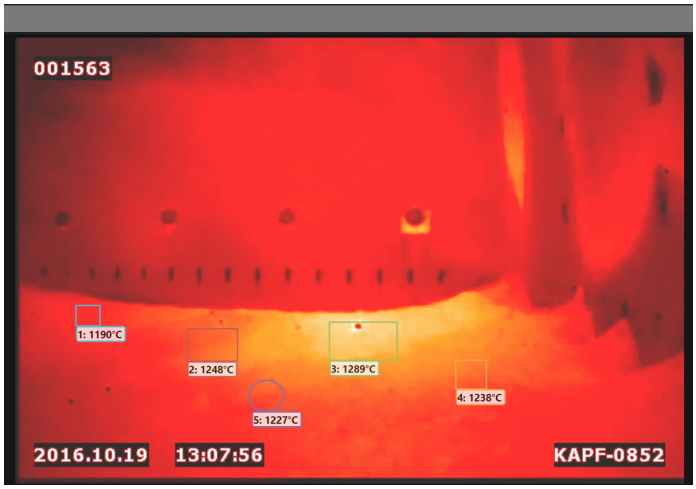
For Good Measure

Sintrol Vulcan12MP
Advanced Imaging System for Recovery Boilers

- **high temperature combustion control and monitoring for recovery boilers**
- **Each system utilizes a high-tech combination of electronics, optics and protection to produce high quality, reliable video and temperature data of boiler furnace**
- **The Vulcan12MP's wavelength optimized infrared optical system is designed to see through the smoke, ash and haze produced within even the most volatile boilers and furnaces**
- **Typically used in conjuction with Pyro-Viper-HD -software**

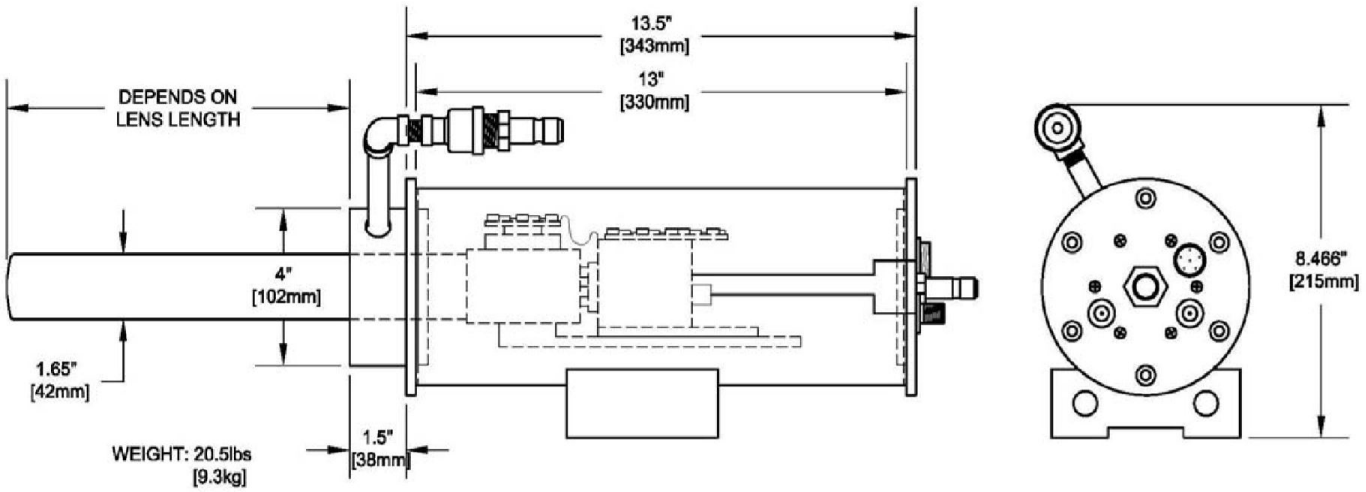
System Features

- Quick-change system design for easy installation and maintenance
- Proprietary Bright Image Optical System for sharp images
- Modular configuration for easy option add-ons and upgrades
- Compact, easy to handle design
- Indestructible STEELON™housings to protect electronic components
- Advanced lens design for low air consumption
- Wide field of view and easy assembly/ disassembly
- High performance, ruggedized imagers for increased durability

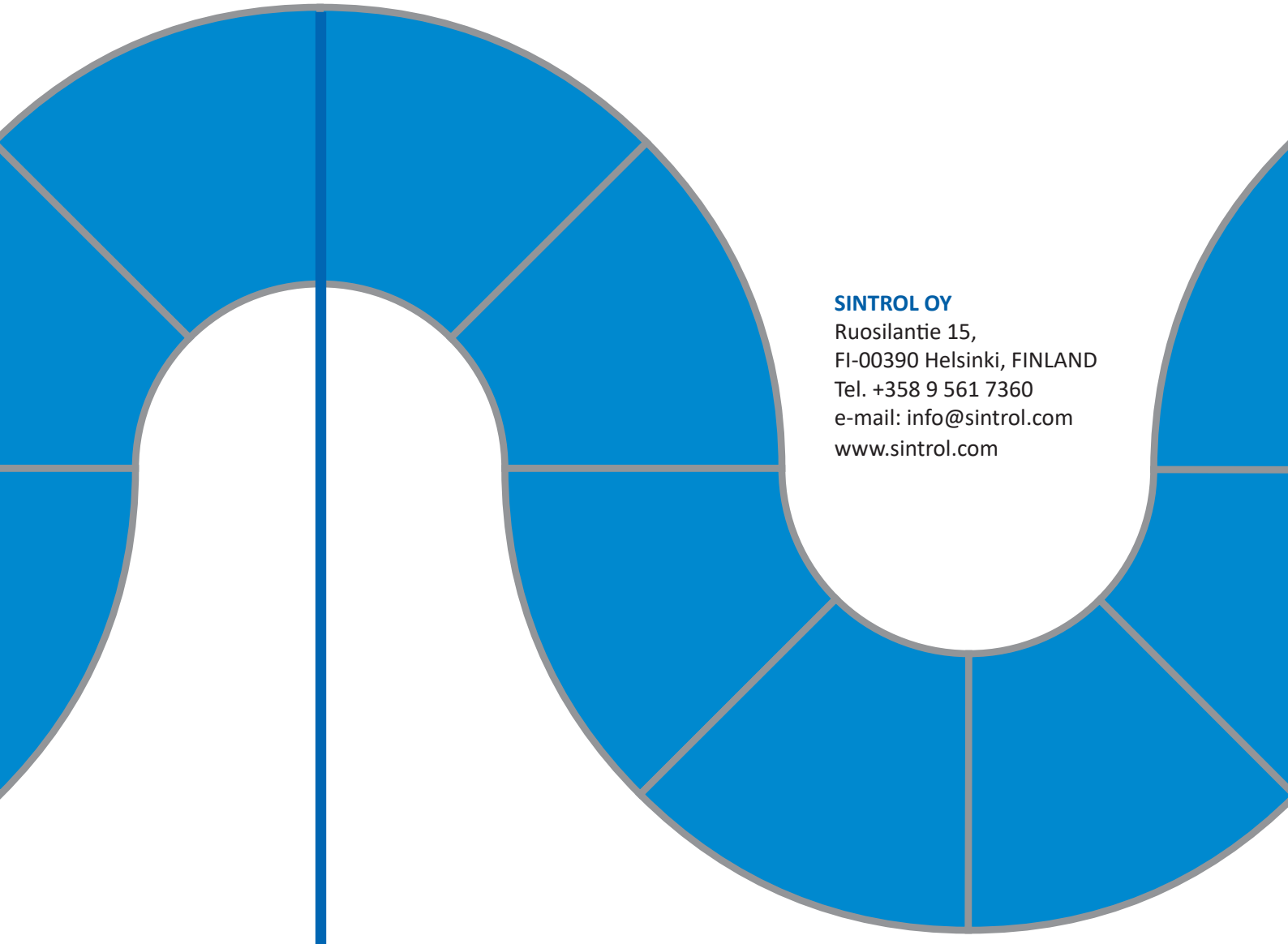


System Options

- Radiometric camera with Pyro-Viper™-HD image processing and analysis software for temperature measurement, image processing and data management
- Automatic retract assemblies
- Portable system configuration and cart assembly for diagnostics and testing
- Air filtration systems
- Digital recorders, monitors, switchers and other video equipment
- Fiber optic, coax, Ethernet, or wireless video/ data transmission
- Custom options for special needs



Product Name	Sintrol Vulcan12MP
System Includes	• High resolution, solid state thermal imaging camera • Air cooled stainless steel furnace lens with Bright Image Optical System™ • Camera control software (Includes basic camera controls and image colorization) • High temperature camera housing (IP66) with manual slide trac mount (tripod base for portable system) • Quick change back plate • 12 VDC power supply with NEMA 4X Enclosure and 4.5 m (15 ft.) power cord • Regulator assembly with 2 ea. 4.5 m (15') quick disconnect air lines • Factory assembled, pre-adjusted and ready for installation
Camera	
Sensor	Solid state IR
Video	NTSC (optional PAL or Ethernet)
Power	12 VDC with 100 - 240 VAC adapter - 50/60 Hz
Available Lenses	
Overall length	• 30, 47, 61, 91, 122, 152, 165 cm (12", 18", 24", 36", 48", 60", 65") Straight Ahead Line of Sight • 47, 61, 91, 122 cm (18", 24", 36", 48") Obtuse & Right Angle Line of Sight
Diameter	42 mm (1.650 in)
Field of view	See lens selection guide
Line of sight	Straight ahead (standard), Obtuse and Right Angle (optional)
Temperature	Scenes being monitored to 1927° C (3500° F)
Air purge	0.10 MPa (1 bar) @ 20 scfm (34 m^3/Hr) - straight ahead line of sight lens Instrument quality air only T<100°F (40°C)
Enclosure	
Material	PHASE III = STEELON™ (stainless steel over high temperature synthetic)
Temperature	Ambient temperatures to 289° C (550° F)
Air purge	0.02 MPa (0,2 bar) @ 3 scfm (5.1 m^3/H)
Instrument quality air only T<100°F (40°C)	
Options and Accessories Include	• SAM0007-XX or SAM0012-XX wallbox mount • SAM0009 or SAM0028 air filtration system • MSS0010C automatic retract • Video recording and Video monitor • Coaxial cable, fiber optic, Ethernet, transmission system • Automatic Port Deslagger • PYROVIPER ™ thermal imaging software • Quickchange Lens



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