INPROTEC IRT

MIRION TECHNOLOGIES

HIGH TEMPERATURE CAMERAS

M408™

Two-Stage Air Filter

FEATURES

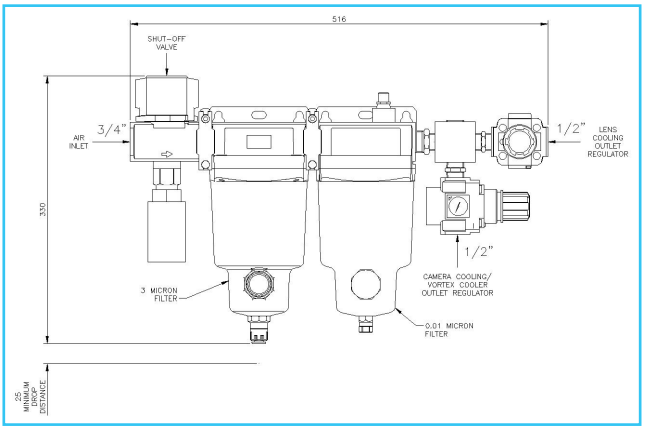
- A three-micron filter removes solids and bulk liquids
- Second 0.01 micron filter removes remaining oil vapors and corrosive gases
- Independent gauges and regulators monitor air flow for camera and lens
- Bypass option for easy filter replacement
- Low maintenance and no tools required
- Rugged design with low profile pressure indicators
- Additional water separator as an option

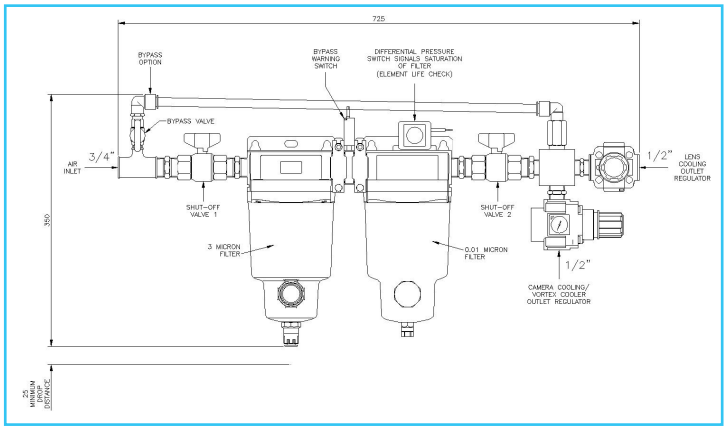
DESCRIPTION

The IST-Quadtek™ video imaging systems owe much of their long-life and reliability to the use of cooling purge air which serves to cool and clean the camera enclosure and lens. A constant supply of clean air is essential for proper camera operation and protection. The supply air used for this purpose is a potential source of dirt, oil, water, and chemical contaminates and requires filtering before use. The M408 Two-Stage Air Filter helps to provide clean air in industrial environments. The M408 air filter is used in applications where there is a higher air contaminate content level and where local control and regulation of the air supply to the camera is required.

Specifications	
Maximum Operating Temperature Range	5 °C to 60 °C (41 °F to 140 °F)
Maximum System Air Flow (WET)	3700 LPM (130 scfm) @ 0.7 MPa (100 psig)
Maximum Inlet Pressure	1.5 MPa (217 psig, 15 bar g)
Lens Cooling Pressure Regulation	0 to 58 psig (0 to 400 kPa) (0~4 bar g)
Pressure Regulation — Purge Camera Cooling Vortex Camera Cooling	0 to 58 psig (0 to 400 kPa) (0~4 bar g) 0 to 160 psig (34 to 1104 kPa)
M408 Air Filter with Vortex Regulator	516 x 330 x 130 mm (20.3 x 13 x 5.1 in.) (W x H x D)
Maximum Dimensions (Bypass Version)	725 x 350 x 130 mm (28.5 x 13.8 x 5.1 in.) (W x H x D)
M408 Air Filter with Purge Air regulator	GAS.00841 gauge (0~4 bar)
M408 Air Filter with Options	GAS.00844, includes: Purge air regulator Filter bypass with low pressure switch Alarm contacts for electronic service indicator
M408 Air Filter with Vortex Regulator	GAS.00840 gauge (0~10 bar)
M408 Air Filter with Options	GAS.00843 gauge (0~4 bar), includes: Vortex Regulator Filter bypass with low pressure switch Alarm contacts for electronic service indicator
M408 Cooling Hose - Reinforced Rubber (-40 to 100 °C)	6 m (20 ft)
Net Weight (actual weight varies with options selected)	8 kg (18 lb)
Shipping Weight	Approximately 9 kg (20 lb)

Options	
BSP to NPT Adaptor Kit	KIT.00060
High Temperature Air Hoses (x 10 m) [33 ft]	/HT_408
High Temperature Air Hoses (x 6 m) [20 ft]	/HT6M_408
Water Separator	/WS_400





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Specifications may vary according to system configuration. We reserve the right to modify or amend the information herein without prior warning. Please contact your Mirion representative for further information.

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Per maggiori informazioni contattare:

Via Bizet, 44
20092 Cinisello Balsamo (MI)
Tel. 02 - 66.59.59.77
e-mail: infrared@inprotec-irt.it
web: www.inprotec-irt.it