



HIGH TEMPERATURE CAMERAS

# M408™

## Two-Stage Air Filter



**A three-micron filter that removes solids and bulk liquids.**

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 contaminants and requires filtering before use. The M408 Two-Stage Air Filter provides 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.

### FEATURES

- ✓ 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

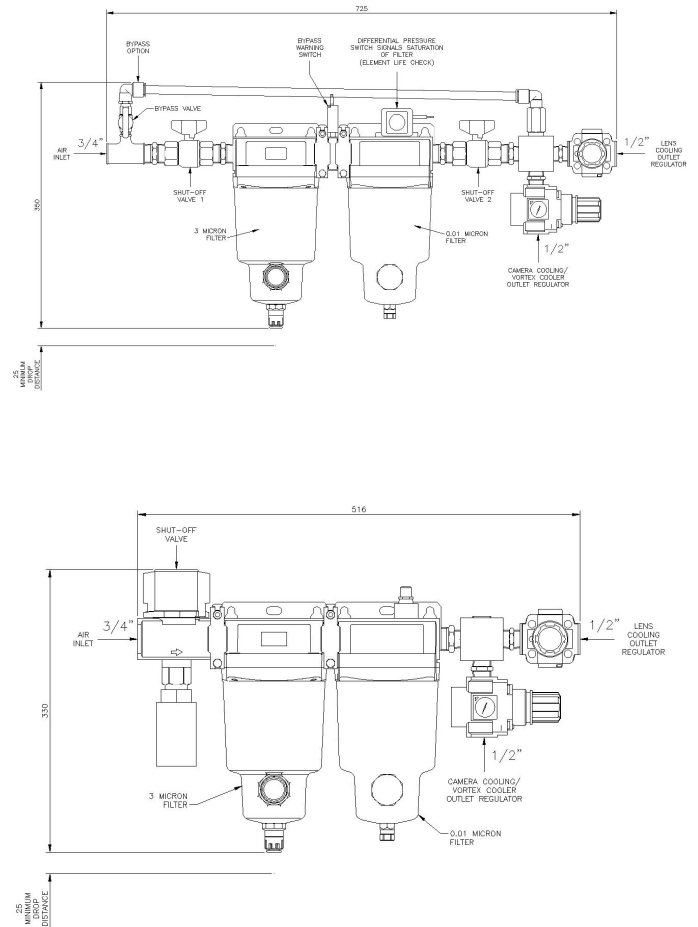
## M408 TWO-STAGE AIR FILTER

### 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: 0 to 58 psig (0 to 400 kPa) (0~4 bar g)  
Vortex Camera Cooling: 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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