FAST FACTS

FASTVALVE

Introducing the New and Improved FASTValve from Extrel

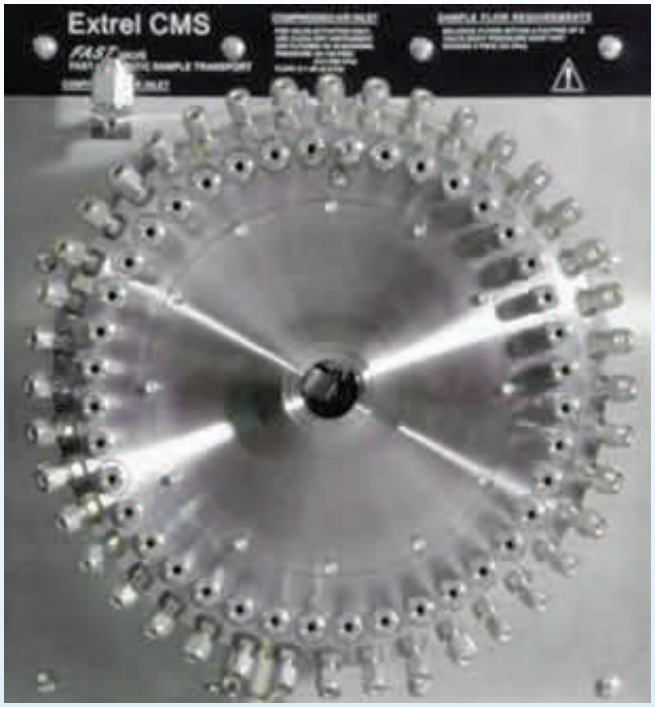

Figure 1: Extrel FASTValve Version 2

Designed with speed in mind, the Extrel FASTValve is a high flow rotary valve ideal for applications that require analysis at a large number of sample points.

- For use with the MAX300 series of Quadrupole Mass Spectrometers
- All samples are actively looped to ensure accurate measurements
- Available in 40 port or 80 port versions
- Can be multiplexed for 160 sample points
- Analyze 80 ports in less than 15 minutes

Increased Ease of Use and Reliability

- Improves on the Extrel FASTValve Version 1
- New body design shifts ports off-axis for better access
- Incorporates industry-standard Swagelok® fittings
- More room inside improves interior maintenance
- Redesigned mounting for better access to the motor
- Stronger components for increased reliability

Figure 2. FASTValve Version 1

Extrel
Core Mass Spectrometers

FASTVALVE

Fragment Matrix

Add Chemicals	Sensitivity	Relative Abundance m/z 28	m/z 32	m/z 40	m/z 78	m/z 92	m/z 106
N2	1.000	100					
O2	.980		100				
Ar	1.500			100			
Benzene	1.793				100		
Toluene	1.107					70	
Xylenes	.759				7.2	6.8	43
Background intensity:		.000000	.000000	.000000	.000000	.000000	.000000
Detector:		Farad	Farad	Farad	Mult	Mult	Mult
Ion Repeat:		1	1	1	1	1	1

Figure 3: Ambient Air Analysis Fragmentation Matrix

The combination of a MAX300 with the Extrel FASTValve allows for rapid quantitative gas analysis at myriad sample points. Originally designed for ambient air analysis in industrial hygiene applications, the MAX300 can monitor up to 80 points per valve spread throughout the production process and report contaminant concentrations as low as **10 ppb** standard, **10 ppt** with Extrel's Membrane Inlet.

Typical Contaminants:

- Benzene
- Toluene
- Dimethyl Sulfide (DMS)
- Xylene
- Vinyl Chloride Monomer (VCM)
- Ethylene Dichloride (EDC)
- Dimethyl Sulfate

Key Product Facts

- New and Improved Extrel FASTValve for use with the MAX300 series of Quadrupole Mass Spectrometers
- Easier to use, More reliable
- Fast quantitative gas analysis for plant-wide monitoring
- Available in 40 port or 80 port versions
- Can be multiplexed for 160 sample points
- Analyze 80 ports in less than 15 minutes

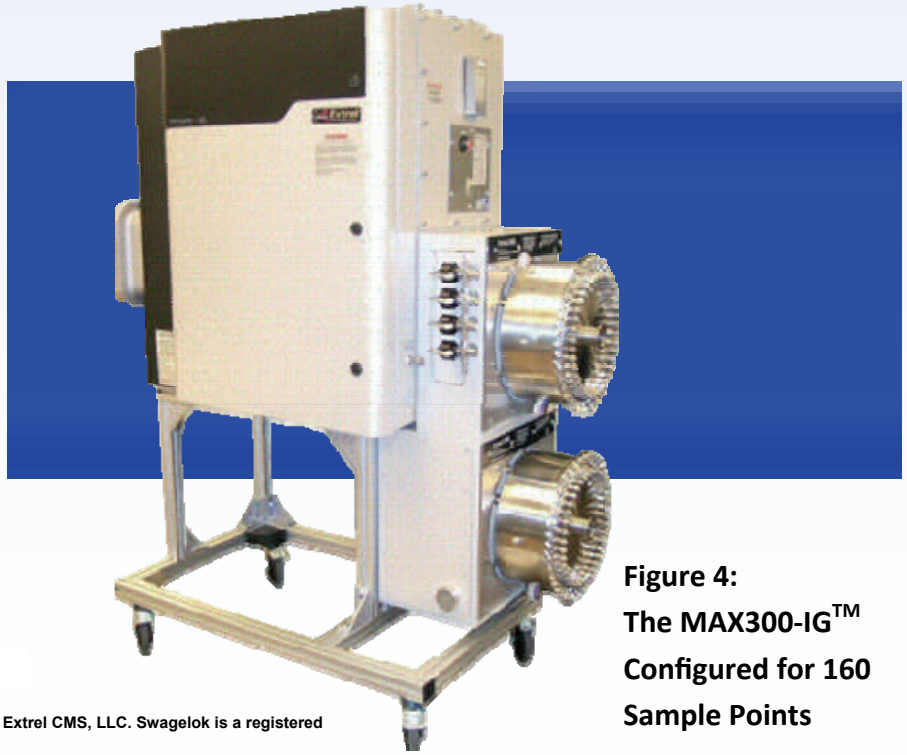

Figure 4: The MAX300-IG™ Configured for 160 Sample Points

Extrel maintains sales and service offices around the world.
Please contact us for the office nearest you or visit our web site at www.extrel.com

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Extrel CMS, LLC
575 Epsilon Drive
Pittsburgh, PA 15238-2838 USA • TEL: 412-963-7530 • FAX: 412-963-6578

www.extrel.com