Flow Products Overview

## Flow Product Overview



- Ranges from:
- 0-5 SCCM to
- 0-15,000 SLM
- Analog and Digital models
- Extensive product offering to cover a wide range of applications


## 200 Series



- Ranges
- HFM-200/HFC-202
- Min: 0-10 SCCM N2
- Max: 0 - 25 SLM N2
- HFM-201/HFC-203
- Up to 1,000 SLM N2
- HFM-205/HFC-207
- Up to 2,500 SLM N2
- Simple / reliable design
- Average response time, but very stable
- Optional 24 vdc input power


## HFM-200 with LFE



- LFE: Laminar Flow Element
- Ranges
- Up to 15,000 SLM N2
- Uses HFM-200
- Accuracy: $\pm 1 \%$ FS
- Low pressure drop


## 300 Series

- Ranges
- HFM-300/HFC-302
- Min: $0-5$ SCCM N2
- Max: 0-25 SLM N2
- HFM-301/HFC-303
- Up to 1,000 SLM N2
- HFM-305/HFC-307
- Up to 2,500 SLM N2
- HFM-306
- Up to 8,000 SLM N2 @ $\pm 3 \%$ FS
- Accuracy: $\pm 1 \%$ FS*.
- Fast response time
- Metal seals on HFM-300 \& 305
- Kalrez valve seat on HFC-302
- Lower dP than 200 Series
- Foldover protection


## Digital 300 Series

## - Ranges

- HFM-D-300/HFC-D-302
- Up to 25 SLM N2
- HFM-D-301/HFC-D-303
- Up to 1,000 SLM N2
- HFM-D-305/HFC-D-307
- Up to 2,500 SLM N2
- Based on 300 Series
- Accuracy:
$\pm$ (0.2\% FS + 0.5\% Rdg)
- RS232 / RS485
- $\pm 12, \pm 15,24 \mathrm{vdc}$
- Many built-in features
- Totalizer, multiple gas calibration


## HFC-D-308



- New Size
- HFC-D-308
- FS Ranges to 8,000 SLM N2
- All Digital 300 series features
- Tuned Valve Response


## Power Pods / Power Supplies



- THCD-100
- One HFM or HFC
- RS232
- THPS-400
- Up to Qty(4) HFM or HFC
- RS232/RS485
- Ratio control
- Totalizer


## THCD-100 Power Supply

## THCD-100

- Comparable to THPS-100
- New Features
- Provides Output Power
- $\pm 15$ VDC @ 250 mA
- 24 VDC @ 300 mA
- Analog Signals
- $0-5 \mathrm{vdc}$
- $0-10 \mathrm{vdc}$
- User Friendly Menu
- Easy to re-range
- 2 mechanical changeover relays (max 50VDC)
- Separate UL Approved Power Transformer with changeable plugs

