

## New Feature Announcement

# FLOW RANGES

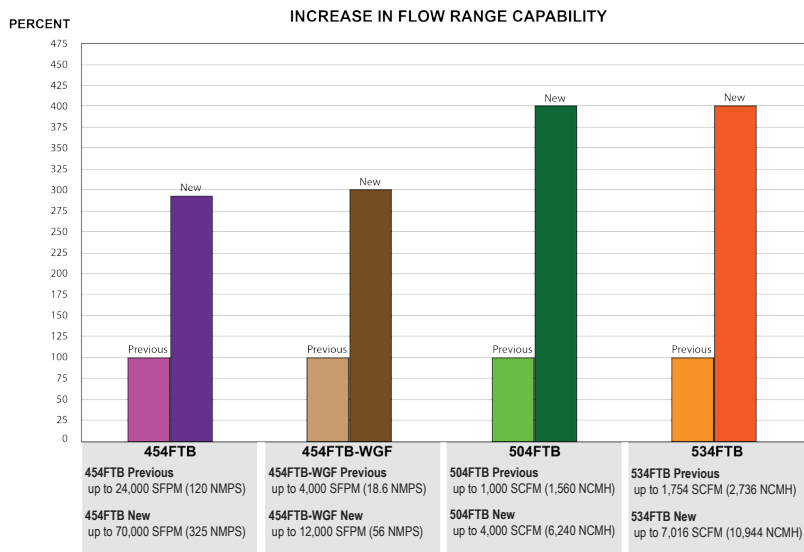
### Extending Capabilities

Kurz has removed earlier self-imposed limitations on maximum flow rates to increase the opportunities for our reps to provide the right solution for their customers' needs. Kurz products continue to be recognized for their tremendous advantages with broad turndown rangeability, which is increasing their interest and use in compressed gas measurements. Process pressure becomes a factor in determining use range. The online pricing program helps simplify selecting the correct flow meter without learning complicated equations — it requires only the input temperature and pressure for listing the products within the determined operating range.

- All flow ranges reference Air, which are then extrapolated for specialty gas calibration
- Series 454FTB, 504FTB, and 534FTB support Specialty Gas Velocity Calibration for compressed Air correlated to 4x the baseline flow rate
- Inline models have updated standard full-scale flow rates for each model and estimated pressure drop for supported gases

Maximum velocity ranges and mass flow ranges are model-specific based on the gas mix:

454FTB	Increased from 24,000 SFPM up to 70,000 SFPM
454FTB-WGF	Increased from 4,000 SFPM up to 12,000 SFPM
504FTB	Up to 4,000 SCFM depending on model and calibration option
534FTB	Up to 7,016 SCFM depending on model and calibration option



## Ordering the Maximum Velocity Feature

To order the the Maximum Velocity feature:

454FTB	Feature 7, Option A for maximum velocity Feature 8, Option 0M for compressed Air correlated to 4x the baseline flow rate
454FTB-WGF	Feature 10, Option A for Air with a laboratory calibration
504FTB	Feature 5, Option A for maximum flow rate Feature 6, Option 0K for compressed Air correlated to 4x the baseline flow rate
534FTB	Feature 5, Option A for maximum flow rate Feature 6, Option 0K0 for compressed Air correlated to 4x the baseline flow rate

To access the Maximum Velocity feature using the Product Configurator in the Kurz online Pricing Program, choose **Air** for the Process Gas:

Process Gas

Air

Select Process Gas

**Air**

Argon

Butane

Carbon Dioxide

Dry Ammonia

Dry Chlorine

Ethane

Ethylene

Helium

Hydrogen

Methane

Digester Gas: 50% CH<sub>4</sub>, 50% CO<sub>2</sub>

Digester Gas: 60% CH<sub>4</sub>, 40% CO<sub>2</sub>

Digester Gas: 70% CH<sub>4</sub>, 30% CO<sub>2</sub>

Nitrogen

Oxygen

Propane

Gas Mix

Special Gas

Select the **VMax Value** for the Gas Calibration Data Range:

Gas Velocity Calibration Data Range (F7)

(A) 18380 SFPM (83.88 NMPS) VMax Value

-Velocity Data Range-

**(A) 18380 SFPM (83.88 NMPS) VMax Value**

(B) 300 SFPM (1.4 NMPS)

(C) 600 SFPM (2.8 NMPS)

(E) 1,000 SFPM (4.7 NMPS)

(G) 2,000 SFPM (9.3 NMPS)

(I) 3,000 SFPM (14 NMPS)

(K) 4000 SFPM (18.6 NMPS)

(M) 6,000 SFPM (28.0 NMPS)

(P) 9,000 SFPM (41.9 NMPS)

(R) 12,000 SFPM (56 NMPS)

(T) 15,000 SFPM (70 NMPS)

(V) 18,000 SFPM (84 NMPS)

Select the **Compressed Air** for the Specialty Gas Velocity Calibration:

Specialty Gas Velocity Calibration (F8)

Laboratory

(0M) Compressed Air Correlated to 70K SFPM, 0 to125 Deg

Select Option

(01) Air at Ambient

(07) Air to 150 PSIA

**(0M) Compressed Air Correlated to 70K SFPM, 0 to125 Deg C.Max Process Temperature**