

# K-Max Stream Switching Valve

## Product Overview

The K-Max Stream Switching Valve is designed to be used in analytical systems. The design utilizes state-of-the-art surface mount technology to reduce leak paths, internal volume and dead volume. The design allows for both stream switching and internal loop filtering in one assembly. In addition, the unique nested assembly design allows for the addition of new streams and maintenance on existing streams without breaking any process lines.



## Features

**Surface mount design.**

**Modular valve design.**

**Visual position indication.**

**Low actuation pressure.**

**Captured vent.**

**Dual acting, normally open and normally closed configurations.**

**GC Module.**

## Benefits

**Allows user to maintain system without breaking process line.**

**Ease of additional streams without disrupting installed units.**

**Provides system safety.**

**Minimizes pneumatic demands on system.**

**Prevents cross contamination of process and air signal, while giving the user an indication of system integrity problems.**

**Will work in any system setup without replumbing.**

**Equilibrates the sample loop pressure to atmospheric just prior to sample injection.**

## Specifications

**Materials of Construction:**

Wetted Surfaces - PTFE, Parofluor™ O-Rings  
External Surfaces - PVDF, PTFE, 18-8 stainless steel, Viton seals, PVDF coated stainless steel springs.

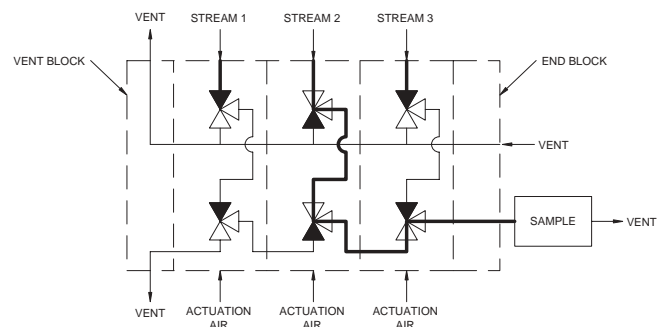
**Pressure Ranges:**

-5 PSIG (-.34 bar) to 50 PSIG (3.4 bar)  
Actuator Pressure: 40 PSIG (2.8 bar) to 60 PSIG (4.2 bar)

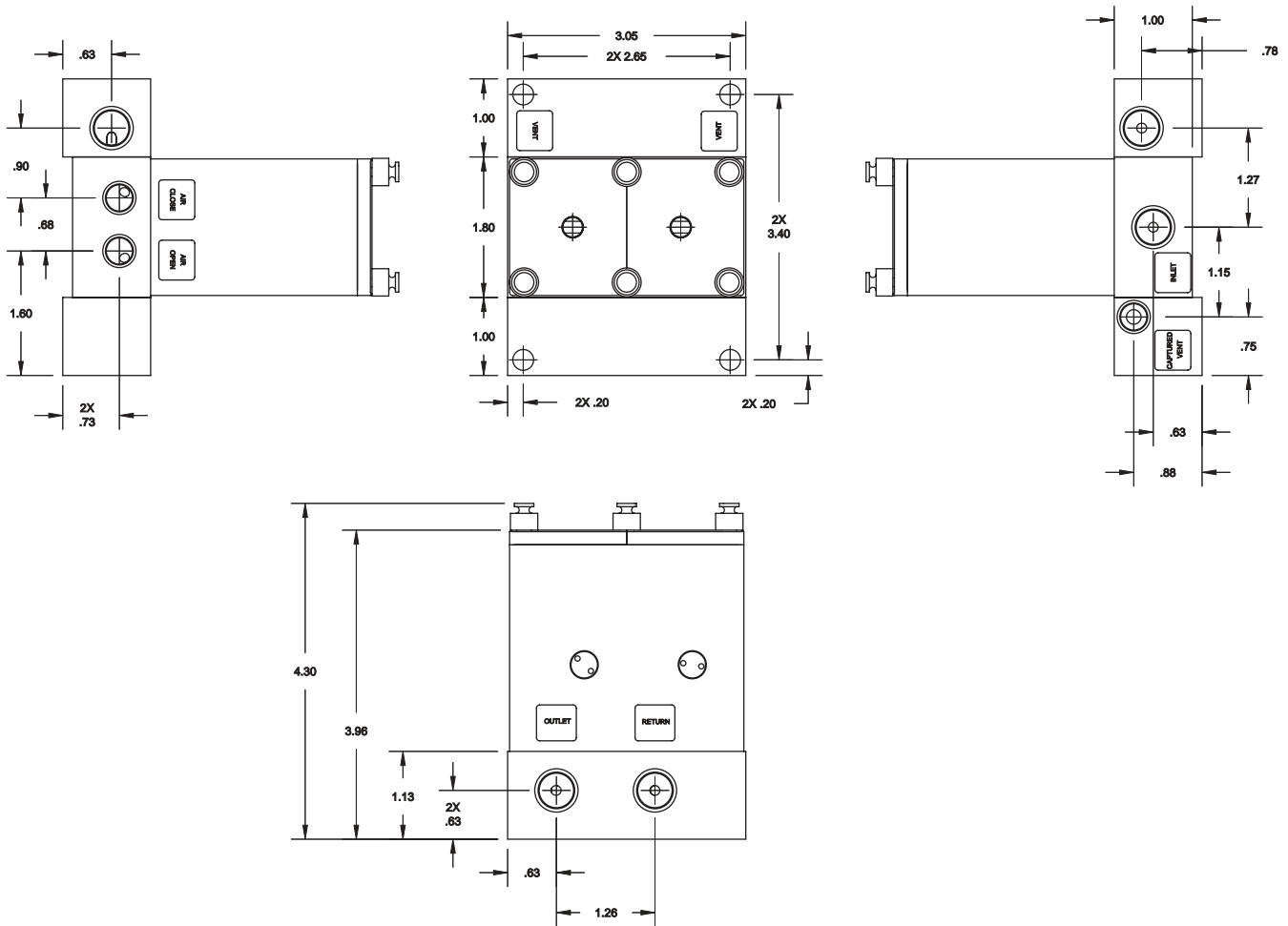
Pressure ranges above are for operation at ambient temperature. For use at higher temperatures consult Pressure/Temperature chart in Section 10.

**Temperature Ranges:**

0° - 150° F (-17° - 66° C) Ambient  
0° - 150° F (-17° - 66° C) Fluid



# K-Max Stream Switching Valve



Model Number	Port Configuration	Seal Options*	Actuation	No. of Streams**
KM-111-XXXXXX	1/4" Parflare	Wetted-Parofluor™ / Non Wetted-Viton	Double Acting	1 to 6
KM-112-XXXXXX	1/4" Parflare	Wetted-Parofluor™ / Non Wetted-Viton	Normally Closed	1 to 6
KM-113-XXXXXX	1/4" Parflare	Wetted-Parofluor™ / Non Wetted-Viton	Normally Open	1 to 6
KM-211-XXXXXX	1/4" Pargrip	Wetted-Parofluor™ / Non Wetted-Viton	Double Acting	1 to 6
KM-212-XXXXXX	1/4" Pargrip	Wetted-Parofluor™ / Non Wetted-Viton	Normally Closed	1 to 6
KM-213-XXXXXX	1/4" Pargrip	Wetted-Parofluor™ / Non Wetted-Viton	Normally Open	1 to 6
KM-311-XXXXXX	1/4" FNPT	Wetted-Parofluor™ / Non Wetted-Viton	Double Acting	1 to 6
KM-312-XXXXXX	1/4" FNPT	Wetted-Parofluor™ / Non Wetted-Viton	Normally Closed	1 to 6
KM-313-XXXXXX	1/4" FNPT	Wetted-Parofluor™ / Non Wetted-Viton	Normally Open	1 to 6

Above Pargrip model numbers are supplied with PFA nuts. Parflare models are supplied with PVDF nuts. For PFA nuts, add -T as the final suffix to the model number (i.e. KM-112-111000-T). Please consult factory for other available configurations or custom assemblies.

\* For all Parofluor o-rings, change second number to "2" (i.e. KM-321-111000).

\*\* All six digits must be used in part number from left to right. For example, part **KM-111-111200** designates a K-Max Valve with 1/4" Parflare port configurations, Wetted-Parofluor™/Non Wetted-Viton seal option, double acting actuation, and 3 standard streams/1 GC module.

"0" designates no stream at that location

"1" designates standard stream

"2" designates GC module