

Micro-Kiss® Series No-Drip® Dispense Valves

Micro-Kiss® valves are ideal for dispensing small 'timed' shots or beads of a single component adhesive, sealant or lubricant with drip free dependability. Its compact size and responsive design makes it ideal for fixtured, automated, high speed, repetitive dispensing operations.

Design: The double-air operated **Micro-Kiss** valve features a divorced design to insure that the material never contacts any air.

Flow Rate Control is done through the valve's integrated stroke adjustment and lock. This feature allows you to regulate the flow rate.

Manifold Version: **2200-590 Series Micro-Kiss** valves are 'ganged' together with a common air and material supply manifold to dispense multiple beads, or shots, simultaneously. Manifolds are available for grouping up to 5 valves.

Stand Alone Version: The **2200-555 Series Micro-Kiss** valve features threaded inlets for the air to open, air to close, and the material inlet. Drill thru's on the valve make is easy to mount.



2200-555-008



2200-590-003

Up To 5 Micro-kiss
Valves Can Be
Manifolded With
Common Material
And Air Supply

Micro-Kiss Valve Features

- ▶ Compact dispense valve for low volume applications
- ▶ Double air operated dispense valve - air to open, air to close with stainless steel spring assist to close
- ▶ No-Drip® design
- ▶ Carbide hardened components; aluminum body, steel nosepiece
- ▶ 2 - Drill thru's for mounting (for #10 screw)
- ▶ Material Inlet - 1/16" N.P.T.F.
- ▶ Material Outlet adapter 5/16 - 28 UN-2A accepts most nozzles
- ▶ **Options**
 - ▶ Stainless steel wetted components
 - ▶ Stroke cap to provide adjustable flow rate control
 - ▶ Zero-cavity 'Tip-Seal' models

Micro-Kiss® Valves



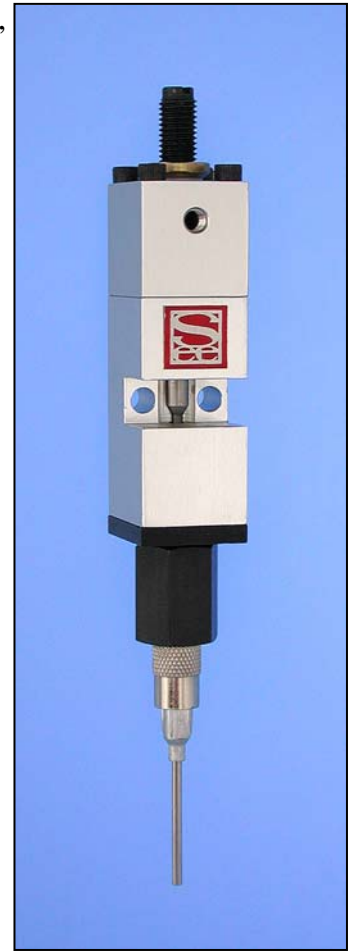
Micro-Kiss® valves are ideal for dispensing small 'timed' shots or beads of an adhesive, sealant or lubricant with drip free dependability. Its compact size and responsive design makes the **Micro-Kiss** valve ideal for fixtured, automated, high speed, repetitive dispensing operations.

Design: The double air operated **Micro-Kiss** valve features a divorced design that insures that the material never contacts any air. Additionally, the valve's severe duty components allows it to be used with most materials.

Flow Control is done through the valve's integrated stroke adjustment and lock. This feature allows you to control the flow rate.

Manifold Version: **2200-590 Series Micro-Kiss** valves are 'ganged' together in series with a common air and material supply manifold to dispense multiple beads or shots simultaneously. Manifolds for grouping up to 5 valves are available.

Stand Alone Version: The **2200-555 Series Micro-Kiss** valve features threaded inlets for the air to open, air to close, and the material inlet. Drill thru's on the valve make is easy to mount.



2200-555-008

Features

- **No-Drip®** action eliminates the drip of material after the valve is 'off'
- **Precise flow rate control - stroke adjustment screw**
- **Snap Action** closing - stainless steel spring insures fast material shut off
- **Divorced design** prevents crossover of material into the air circuit
- **Precise flow rate control - stroke adjustment screw**
- **High pressure operation: 2,500 psi maximum inlet material pressure**
- **Air pressure: 70 p.s.i. required**
- **Double air operated: air to open/air to close w/ SS spring assist**
- **Lightweight: 4.71 ounces/.29 pounds (without nozzle or manifold)**
- **Compact: 1.0" x .87" x 4.63" long**
- **Mounting: (2) .203" diameter drill through holes**
- **Manifolds for multiple valves available w/ common air & material ports**
- **Stainless steel wetted models available**



Manufacturers of Precision Dispense Systems & Valves

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Micro-Kiss[®] Valves



Dimensions:	4.12" o.a.l. (without nozzle); 7/8" X 1"
Mounting hole	Clearance for (2) #10 screws
Max. inlet	2,500 PSI (172.4) fluid pressure
Mat'l inlet:	1/16" N.P.T.F. (threaded version)
Mat'l outlet:	5/16" N.P.T.F.
Air pressure	70 PSI(4.83 bar) air pressure
Air inlets:	(2) #10-32 straight thread; air to open, air to close
Spring:	Back-up to shut off material flow
Air piston dia.	0.75" diameter
Stroke length:	0.12"

Standard wetted components

Air cylinder:	Aluminum
Body:	Aluminum or stainless steel
Needle and Seat:	Carbide hardened steel
Seal:	Variety of compounds to choose from
O-Rings:	Variety of compounds to choose from

Micro-Kiss Models

2200-555-008	Micro-Kiss Valve , #10-32 th'd air inlets, 1/16" nptf material inlet; 5/16-28 UN-2A material outlet, carbide ball and seat; aluminum body, steel needle/ball and seat
2200-555-016	Stainless Steel Micro-Kiss Valve, 7/16-20 st th'd outlet, 1/16" nptf material inlet, #10-32 air inlets; all wetted components stainless steel
2200-555-018	Stainless Steel Micro-Kiss Valve, 5/16-28 UN-2B material outlet, carbide ball and seat, 1/16" nptf material inlet, 10-32" air inlets; all wetted components stainless steel
2200-590-000	Micro-Kiss Valve without manifold
2200-590-001	(1) Micro-Kiss Valve with 1250-581-000 manifold
2200-590-002	(2) Micro-Kiss Valves with 1250-581-002 manifold
2200-590-003	(3) Micro-Kiss Valves with 1250-581-003 manifold
2200-590-004	(4) Micro-Kiss Valves with 1250-581-004 manifold
2200-590-005	(5) Micro-Kiss Valves with 1250-581-005 manifold

Nozzles & Adapters (Other lengths and id's available on request)

1250-762-001	Valve outlet adapter to ¼" NPTF (1250-1285 gasket also required)
1208-25	Stainless steel Luer-Lok needle, .09" x 2"
1208-26	Retainer for Luer-Lok needle(threads into 1250-762-001)
1208-69	Stainless steel Luer-Lok needle, .054" x 6"
1208-71	Stainless steel Luer-Lok needle, .106" x 2.5"



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