

# Quick-Connect Bypass System

Metal Samples' quick-connect bypass system utilizes cam-lock fittings which eliminate the need for tools, and allow devices such as coupon holders and corrosion probes to be installed or swapped by hand in just minutes\*. Devices can be hand-inserted into the quick-connect sockets, and are secured in place by engaging the two metal levers. This locks and seals the device with just a few easy steps.

Bypass systems are easily connected to your existing piping using standard pipe fittings. Systems are available with 2, 3, and 4 stations. Standard systems come equipped with one pre-weighed mild steel coupon per station and one coupon holder per station, and also include a 5-gpm flow control (for 3/4" systems) or an 8-gpm flow control (for 1" systems).

*\*Requires the use of Metal Samples' cam-lock devices.*

## Specifications:

**Pipe Schedule** – Sch 80

**Maximum Temperature Rating** – 110°F / 43°C

**Maximum Pressure Rating** – 125 psi / 8.6 Bar

**Maximum Combined Rating** – 125 psi @ 72°F  
(8.6 Bar @ 22.2°C)

## Materials of Construction\*\*:

**Bypass Piping:** PVC

**Flow Control Body:** 300-series S.S.

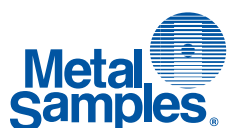
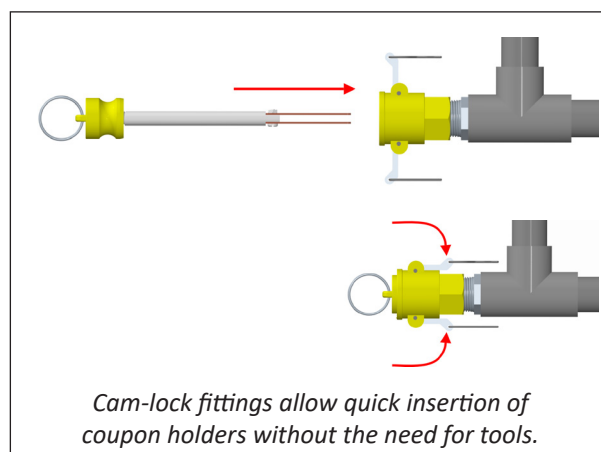
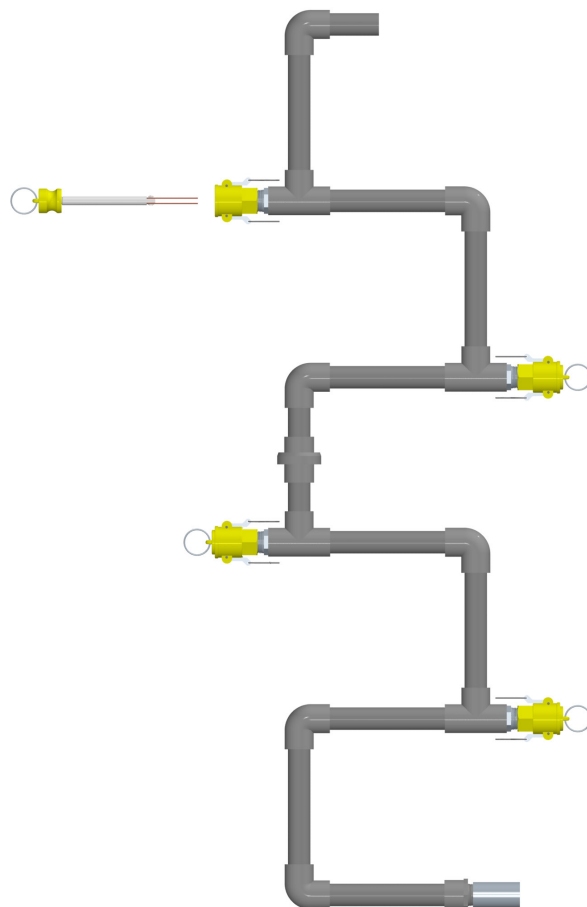
**Flow Control Gasket:** Buna-N

**Cam-Lock Receptacle Body:** Nylon

**Cam-Lock Levers:** 300-series S.S.

**Cam-Lock Gasket:** EPDM

*\*\*Standard materials listed. Other materials available.*



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## Ordering Information

Part #	Stations	Pipe Size
TF2534727	2	3/4"
TF2535727	3	
TF2536727	4	
TF2537727	2	1"
TF2538727	3	
TF2539727	4	

## Replacement Parts and Accessories

Part #	Description	Material
BA5311139	3/4" NPT Flow Control Body	303 S.S.
BA5310139	1" NPT Flow Control Body	
BA5346370	Flow Control Gasket - 5 GPM	Buna-N
BA5312370	Flow Control Gasket - 8 GPM	
BA5313370	Flow Control Gasket - 10 GPM	
BA5347370	Flow Control Gasket - 12 GPM	
BA5479	Cam-Lock Gasket for 3/4" Systems	EPDM Rubber
BA5480	Cam-Lock Gasket for 1" Systems	
RC1BEC010066	Coupon Holder for 3/4" Systems <sup>1</sup>	PVC/Nylon
RC1CEC010066	Coupon Holder for 1" Systems <sup>1</sup>	
LP2CCC20306000	2-Electrode LPR Probe for 3/4" Systems <sup>2</sup>	PVC
LP2DCC20306000	2-Electrode LPR Probe for 1" Systems <sup>2</sup>	
LP2CCC30306000	3-Electrode LPR Probe for 3/4" Systems <sup>2</sup>	
LP2DCC30306000	3-Electrode LPR Probe for 1" Systems <sup>2</sup>	
CO1003750104100	Carbon Steel Coupon, Weighed <sup>3, 5</sup>	C1010 / G10100
CO1004190104100	Copper Coupon, Weighed <sup>3, 5</sup>	CDA110 / C11000
CO1004340104100	Brass Coupon, Weighed <sup>3, 5</sup>	CDA443 / C44300
CO1001450104100	Stainless Steel Coupon, Weighed <sup>3, 5</sup>	304L / S30403
CO1001590104100	Stainless Steel Coupon, Weighed <sup>3, 5</sup>	316L / S31603
CO1002900104100	Aluminum Coupon, Weighed <sup>3, 5</sup>	AL1100 / A91100
CO1003380104100	Aluminum Coupon, Weighed <sup>3, 5</sup>	AL6061 / A96061
EL4003752800000	Carbon Steel Electrode, Weighed <sup>4, 5</sup>	C1010 / G10100
EL4004192800000	Copper Electrode, Weighed <sup>4, 5</sup>	CDA110 / C11000
EL4004342800000	Brass Electrode, Weighed <sup>4, 5</sup>	CDA443 / C44300
EL4001452800000	Stainless Steel Electrode, Weighed <sup>4, 5</sup>	304L / S30403
EL4001592800000	Stainless Steel Electrode, Weighed <sup>4, 5</sup>	316L / S31603
EL4002902800000	Aluminum Electrode, Weighed <sup>4, 5</sup>	AL1100 / A91100
EL4003382800000	Aluminum Electrode, Weighed <sup>4, 5</sup>	AL6061 / A96061

<sup>1</sup> Coupon holders have a 6" (15.24 cm) nylon stem with fasteners, and are designed for mounting Metal Samples model CO100 coupons.

<sup>2</sup> LPR probes have a PVC body. Electrodes are sold separately.

<sup>3</sup> Coupons are Metal Samples model CO100. They are pre-weighed, stenciled with sequence and alloy, and have a glass-beaded finish.

<sup>4</sup> Electrodes are Metal Samples model EL400. They are sold individually, include a Viton insulator, and have a centerless-ground finish.

<sup>5</sup> Common coupon and electrode alloys are listed here. Other alloys available upon request. Please contact Metal Samples for additional options.