



- Chemically inert flow path
- Multiple port configurations
- Superior performance & life

### [Valves for PSD/4 Syringe Pumps](#)

### [Valves for PSD/2 Syringe Pumps](#)

### [Valves for PSD/3 Syringe Pumps](#)

### [Valves for MICROLAB 500 Instruments](#)

### [HV Plug Valves](#)

### [Valves for MVP Instruments](#)

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For more information or pricing for Valve components or accessories, [click here](#) to contact Hamilton Company's OEM



**OEM Valves**



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Part #	Flow Diagram	Description	Housing Material
<a href="#">5208-01</a>		HVC 3-2	Aluminium
<a href="#">6763-01</a>		HVC 3-2	Stainless Steel
<a href="#">5208-02</a>		HVC 3-5	Aluminium
<a href="#">6764-01</a>		HVC 3-5	Aluminium
<a href="#">6500-02</a>		HVCX 4-5	Aluminium
<a href="#">6765-01</a>		HVCX 4-5	Stainless Steel
<a href="#">6500-01</a>		HCVX 8-5	Aluminium
<a href="#">6766-01</a>		HCVX 8-5	Stainless Steel

## Plastic Plug Valves

Part #	Flow Diagram	Description	Housing Material
<a href="#">39298</a>		HVC 3-2 (0.059" Active)	Aluminium

[39221](#)

HVC 3-2 (0.070" Active) Aluminium

## Ceramic Valves



## PSD/2 Precision Syringe Pumps



For more information or pricing for PSD/3 components or accessories, [click here](#) to contact Hamilton

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Part #	Flow Diagram	Description	Housing Material
<a href="#">5208-01</a>		HVC 3-2	Aluminium
<a href="#">6763-01</a>		HVC 3-2	Stainless Steel
<a href="#">5208-02</a>		HVC 3-5	Aluminium
<a href="#">6764-01</a>		HVC 3-5	Stainless Steel
<a href="#">6500-02</a>		HVCX 4-5	Aluminium
<a href="#">6765-01</a>		HVCX 4-5	Stainless Steel
<a href="#">6500-01</a>		HCVX 8-5	Aluminium
<a href="#">6766-01</a>		HCVX 8-5	Stainless Steel

### Plastic Plug Valves

Part #	Flow Diagram	Description	Housing Material
<a href="#">39298</a>		HVC 3-2	Aluminium



[39221](#)

HVC 3-2

Stainless Steel

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## Ceramic Valves



## PSD/3 Precision Syringe Pumps



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<b>Part #</b>	<b>Flow Diagram</b>	<b>Description</b>	<b>Housing Material</b>
<a href="#">8063-01</a>		HVC Valve "T" 3-2	Aluminium
<a href="#">7991-01</a>		HVC Valve 3-5	Aluminium
<a href="#">7992-01</a>		HVCX 4-5	Aluminium
<a href="#">7993-01</a>		HVCX 8-5	Aluminium
<a href="#">8778-01</a>		HVCX "Y" Valve	Aluminium

## Plastic Plug Valves

<b>Part #</b>	<b>Flow Diagram</b>	<b>Description</b>	<b>Housing Material</b>
<a href="#">7427-01</a>		"Y" Valve	CTFE
<a href="#">7990-01</a>		"T" Valve	CTFE

## Ceramic Valves



## **PSD/4 Precision Syringe Pumps**





## Plug Valves

### Active

Active valves rotate 90° between two positions directing fluids to and from the syringe mounted on the PSD/2 module. Other positions may be specified in 15° increments.

### Inactive

Inactive, bypass valves do not rotate. They may be mounted on any PSD/2 module but are designed for use without valve drives.



## Ordering Information

Part #	Port Size	Type	Syringe Size
<a href="#">0159572*</a>	.039"	Active	10-100 µL
<a href="#">0161143*</a>	.039"	Inactive	10-100 µL
<a href="#">39298</a>	.059"	Active	25 µL-1 mL
<a href="#">39825</a>	.070"	Active	25 µL-1 mL M6x1 Threads
<a href="#">39296</a>	.059"	Inactive	25 µL-1 mL
<a href="#">39221</a>	.070"	Active	2.5-25 mL
<a href="#">39222</a>	.070"	Inactive	2.5-25 mL

## Technical Specifications


**HV****HVP****HVX**

- Wetted paths are chemically inert TEFLON® and Kel-F® materials (100 psig or less)
- Valves are for stand alone use or HVX and HVP valves can also be panel mounted
- Valve position is controlled manually via a handle attached to the valve stem
- Valve connections are via 1/4-28 UNF-2B (Unified Fine) fittings

### Typical Operating Parameters

#### Ordering Information

##### Flow Diagram

##### Valve Description

##### Valve Model

##### HV

##### HVP

##### HVX



180° Flow Path  
2-ports

1-1

[86725](#)

[86775](#)

[86901](#)\*



90° Flow Path  
2-ports

2-2

[86726](#)

[86776](#)

[86902](#)\*



"T" Flow Path  
3-ports

3-3

[86727](#)[86777](#)[86903\\*](#)

90° Flow Path  
3-ports

3-2

[86728](#)[86778](#)[86904\\*](#)

Loop Flow Path  
4-ports

4-4

[86729](#)[86779](#)[86905\\*](#)

"T" Flow Path  
4-ports

4-3

[86730](#)[86780](#)[86906\\*](#)

90° Flow Path  
4-ports

4-2

[86731](#)[86781](#)[86907\\*](#)

180° Flow Path  
4-ports

4-1

[86732](#)[86782](#)[86908\\*](#)

Distribution Flow Path  
2-ports

1-5

[86735](#)[86785](#)[86910\\*](#)

Distribution Flow Path  
2-ports

2-5

[86736](#)[86786](#)[86911\\*](#)

Distribution Flow Path  
3-ports

3-5

[86737](#)[86787](#)[86912\\*](#)



Distribution Flow Path  
4-ports

4-5

[86738](#)[86788](#)[86913\\*](#)

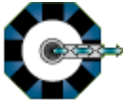
Distribution Flow Path  
6-ports

6-5

[86915](#)

Loop Flow Path  
6-ports

6-6

[86916\\*\\*](#)

Distribution Flow Path  
8-ports

8-5

[86918](#)

Loop Flow Path  
8-ports

8-7

[86919\\*\\*](#)

Note: All valves have .059"/1.5 mm diameter ports unless otherwise specified.

\* Valve has .118"/3 mm diameter ports.

\*\* Valve has .040"/1 mm diameter ports.

## Hamilton HV Plug Valves



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## Hamilton MVP Plug Valves

- Easy "snap-in, snap-out" valve replacement
  - Wetted paths are chemically inert TEFLON® and Kel-F® materials (100 psig or less)
  - Valve connections are 1/4-28 UNF-2B female fittings



### Typical Operating Parameters

### MVP Valve Volumes

Flow Diagram	Valve Description	Valve Model	HVM	HVXM
	180° Flow Path 2-ports	1-1	<a href="#">36650</a>	
	"T" Flow Path 3-ports	3-3	<a href="#">36652</a>	
	90° Flow Path 3-ports	3-2	<a href="#">36653</a>	<a href="#">36756*</a>



Loop Flow Path  
4-ports

4-4

[36654](#)



"T" Flow Path  
4-ports

4-3

[36779\\*](#)



90° Flow Path  
4-ports

4-2

[36780](#)



180° Flow Path  
4-ports

4-1

[36796\\*](#)



Distribution Flow Path  
2-ports

1-5

[36657](#)

[36714\\*](#)



Distribution Flow Path  
2-ports

2-5

[36722\\*](#)



Distribution Flow Path  
3-ports

3-5

[36758\\*](#)



Distribution Flow Path  
4-ports

4-5

[36719](#)

[36759](#)



Distribution Flow Path  
6-ports

6-5

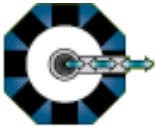
[36760](#)



Loop Flow Path  
6-ports

6-6

[36781\\*\\*](#)



Distribution Flow Path  
8-ports

8-5

[36766](#)



Loop Flow Path  
8-ports

8-7

[36782\\*\\*](#)

Note: All valves have .059"/1.5 mm diameter ports unless otherwise indicated.

\* Valve has .118"/3 mm diameter ports.

\*\* Valve has .040"/1 mm diameter

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