

Syringe V6 Multi-Channel 55 Series Product Line

The Syringe V6 Multi-Channel 55 Series line is designed to couple to a v6 Multi-Channel 55 Series Pump and standard valve assembly. A fine tuning design feature is incorporated in the Zero Dead Volume (ZDV) syringes for the 25ul to the 5.0ml. These syringes are typically used in various types of instruments and analyzers serving clinical, medical, and analytical instrumentation applications. An array of syringe volumes are available that can be dispensed and/or aspirated over a full 6cm stroke.

Physical

Length (Dispensed)

4.610"

Thread Type

¼-28 UNF-2A

Test Pressure

80 psi

Environmental

Operating Temperature

50°F to 104°F (10°C to 40°C)

Storage Temperature

13°F to 185°F (-25° to 85°C)

Relative Humidity

Up to 100%

Chemical

Standard Syringe Seal

PTFE

Wetted Materials

Borosilicate Glass, PCTFE, PTFE (or UHMW) (smaller sizes ZDV tips are PTFE coated 316L)

Syringe Tips

Lubricated with laboratory-grade Silicone



Mechanical

Syringe Sizes		25ul	50ul	100ul	250ul	500ul	1.0ml	1.25ml	2.5ml	5.0ml
Orifice Diameter (in)		.027	.024	.032	.039	.076	.076	.076	.076	.076
Syringe (End Cap) Diameter (in)		0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.6
*Max Drag Force (lbs)	PTFE	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0
	UHMW	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	10.0

*Add 1 pound drag force to non-lubricated plunger tip requests.

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Standard PTFE Syringe Assembly:

Thread Type

¼-28 UNF-2A

Glass Type

Borosilicate glass

Individually Boxed

Fine Tuning Adjustment

Zero Dead Volume Only

* Tip nose is 316L Stainless

Steel PTFE coated

Size	Orifice	Standard Syringe	Zero Dead Volume (ZDV)
25ul	.016	29896	29898*
50ul	.024	29435	29856*
100ul	.032	29437	29858
250ul	.039	29439	29441
500ul	.076	29442	29443
1.0ml	.076	29447	29448
1.25ml	.076	29451	29450
2.5ml	.076	29454	29452
5.0ml	.076	29456	29458

UHMW-PE Syringe Assembly:

Thread Type

¼-28 UNF-2A

Glass Type

Borosilicate glass

Individually Boxed

Fine Tuning Adjustment

Zero Dead Volume Only

* Tip nose is 316L Stainless

Steel PTFE coated

Size	Orifice	Standard Syringe	Zero Dead Volume (ZDV)
25ul	.016	29897	29899*
50ul	.024	29436	29857*
100ul	.032	29438	29859
250ul	.039	29440	29861
500ul	.076	29444	29863
1.0ml	.076	29445	29446
1.25ml	.076	29864	29449
2.5ml	.076	29455	29453
5.0ml	.076	29457	29459

Dimensions in. (mm)

