

Harvard Stainless Steel Syringes



Harvard High Pressure Stainless Steel Syringes

Harvard High Pressure 8 ml Stainless Steel Syringe

This syringe has been designed to utilize the high forces available in our syringe pumps to produce pressures up to 1500 psi. The syringe is constructed entirely of #316 stainless steel with two Chemraz® O-Ring seals, two Teflon O-Ring seals and 1.6 mm (1/16 in) SWAGELOK® end.

When this syringe is used in the Harvard Pump '44', pressures in excess of 1500 psi are consistently achieved for chromatography and process control applications.

Specifications

Volume	8 ml
Dimensions:	
Overall Length of Barrel	16.5 cm (6-1/2 in)
Plunger Excursion	11.4 cm (4-1/2 in)
OD	1.6 cm (5/8 in)
ID	0.95 cm (3/8 in)
Maximum Test Pressure	4000 p.s.i
Working Pressure	1500 p.s.i

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Harvard Apparatus is offering a new line of Stainless Steel Syringes intended for high pressure applications with good resistance to most aggressive liquids. Wetted parts are #316 stainless steel or Teflon. Syringes are available in 20, 50, 100 and 200 ml sizes with removable replaceable tips. Genuine SWAGELOK® syringe to tube fittings are available in 1/16, 1/8 and 1/4 inch sizes. A luer lock end fitting is also available. All tips are interchangeable with all syringes (20 to 200 ml) in the series.

- 1500 psi peak pressure
- Fits most Harvard pumps.
- Electron beam welded
- Fully autoclavable
- 1/16 inch SWAGELOK® fitting for low dead volume

Both syringe barrel end plungers are #316 stainless steel. A Viton O-ring seal between top and end of the barrel insures against leakage.

Syringes are guaranteed to be leak free for pressures up to 700 psi.

All syringes are supplied with inside diameter dimensions for use with Harvard microprocessor controlled pumps and rate charts for use with older 'classic' pumps. Replacement Viton O-Rings are available, as are the more chemically resistant Chemraz® O-Rings.

Catalog No.	Product
CGS 8603.20	New Harvard High Pressure 8 ml Stainless Steel Syringe
	Replacement Parts
CGS 8604.63	Chemraz® O-Ring 20 ml
CGS 8605.63	Chemraz® O-Ring 50 ml
CGS 8606.63	Chemraz® O-Ring 100 ml
CGS 8607.63	Chemraz® O-Ring 200 ml
CGS 8608.63	Chemraz® Tip Seal O-Ring All sizes
CGS 8609.63	Replacement Viton O-Ring 20 ml, pkg. of 10
CGS 8610.63	Replacement Viton O-Ring 50 ml, pkg. of 10
CGS 8611.63	Replacement Viton O-Ring 100 ml, pkg. of 10
CGS 8612.63	Replacement Viton O-Ring 200 ml, pkg. of 10
CGS 8613.63	Replacement Viton Tip Seal O-Ring, pkg. of 10
CGS 8614.63	Stainless Steel Plunger Button to Adapt Syringe for Use with PHD 2000 HVP

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Syringe Size	With SWAGELOK® Diameter			With Luer Lock
	1/16 inch	1/8 inch	1/4 inch	
20 ml	CGS8615.63	CGS8619.63	CGS8623.63	CGS8627.63
50 ml	CGS8616.63	CGS8620.63	CGS8624.63	CGS8628.63
100 ml	CGS8617.63	CGS8621.63	CGS8625.63	CGS8629.63
200 ml	CGS8618.63	CGS8622.63	CGS8626.63	CGS8630.63
Replacement Tips, Furnished with Sealing O-Ring				
	CGS8631.63	CGS8632.63	CGS8633.63	CGS8634.63