

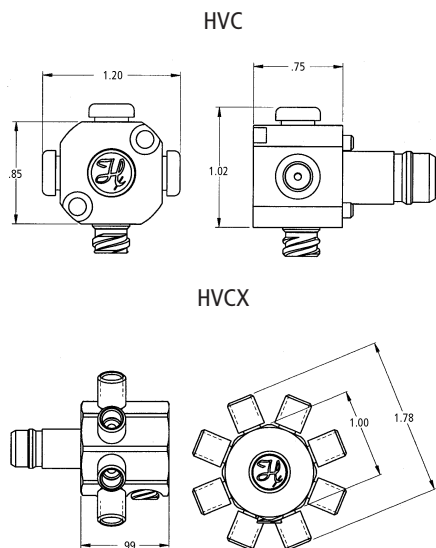
HAMILTON

Ceramic Valves HVC

Congratulations! You have just purchased the highest quality precision valve available today. We at Hamilton Company combine top quality materials with skilled workmanship, ensuring the highest possible performance level of every precision fluid device that we manufacture. With proper care and handling, the HVC will provide unsurpassed performance in liquid handling year after year.

Hamilton Ceramic Valves provide the perfect turnkey solution to compliment Hamilton Company's robust syringes and syringe drive modules. These valves have a proven performance of over 1 million cycles while running deionized water.

Reference Dimensions



Valve Size	Configuration	Nominal Port Diameter
HVC	All	.060"
HVCX	4-5	.075"
	6-5	.050"
	8-5	.050"

- Operating pressure: 100 psig
 - Operating temperature: 10° to 35° C
 - Storage temperature: -20° to 50° C
 - Break away torque: 15 in oz (new)
 - Wetted paths are chemically inert CTFE, PTFE, and ceramic
 - Threaded connections are 1/4-28 UNF-2B*
- * HVC thread depth .320 nom.
HVCX thread depth .285 nom.

Intended Use

These valves are designed for use on Hamilton syringe and valve drives where the need for a long life, robust valve is required. The valves are specified to seal and operate with liquids only. The valves may be successful in sealing certain gases or vapors but is not explicitly specified or verified.

Flush the valve with a non-alkaline, non-phosphate detergent, preferably one that would be effective in solvating the sample or material flowing through the valve. Rinse the valve thoroughly and allow to air dry.

Note: Do not autoclave as damage may occur to the syringe and tubing connections. Take care when using caustic cleaning solvents on the aluminum version of the HVC/HVCX as they may damage or discolor the valve housing. Do not immerse the valve. Do not attempt to disassemble the valve components from the housing as this will result in valve failure.

Recommended Fittings

The Hamilton Ceramic Valve will accept most industry standard 1/4 x 28 UNF flanged or flangeless tube fittings and connectors.



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Forensic
In Vitro Diagnostics

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Warranty Statement

Hamilton Company unconditionally guarantees its products to be free of defects in materials and workmanship. Any product which fails due to such defects will be repaired or replaced at our discretion without cost, provided the device is returned with an explanation. It is the responsibility of the purchaser to determine the suitability of application and material compatibility of the products based on the published specifications of the products.

Return of Goods

Hamilton Company's return and repair policy is written to protect its employees from potentially hazardous materials (e.g. serum, radioactive materials, carcinogenic chemicals, etc.) or any substance that may cause them partial or permanent disability during the inspection or repair process. In returning product, the customer acknowledges that the product is free from any hazardous materials. Furthermore, the customer assumes responsibility should the returned product be determined to be hazardous.

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