

DOUBLE CHECK VALVES



THE DCV SERIES

DOUBLE CHECK VALVES

The fluid supply vessel is connected to the valve supply port (chimney) using a luer connection or tubing. The fluid is withdrawn from the supply vessel by a syringe or other device connected to the aspiration port. When the syringe is compressed the fluid is then transferred, through the exit port, to the use site without adulterating the fluid.

The system provides high flow. Two inlet cracking pressure ranges, two supply port options and two exit port options are available. All luer tapers comply with the requirements of ISO Standard 594-1. DCV Series double check valves are manufactured entirely from materials that comply with USP Class VI criteria and are compatible with ethylene oxide, gamma and e-beam sterilization procedures.

Typical applications include wound irrigation, interventional cardiology and radiology procedures, admixture and pharmacy operations as well as others.

Bi-Directional Double Check Valve

No need for disconnections to fill syringe

Satisfies USP Class VI criteria

Low cracking pressures

Clean fluid transfer from supply to site

High flow rate

DCV101 (-001)

Double Check Valve, Tubing Pocket Chimney Port, 1-7 PSI Cracking Pressure

DCV114 (-001)

Double Check Valve, Tubing Pocket Chimney Port, 2-5 PSI Cracking Pressure



DCV115 (-001)

Double Check Valve, Tubing Pocket Chimney Port, Rotating Luer Lock Exit Port, 2-5 PSI Cracking Pressure

DCV116 (-001)

Double Check Valve, Tubing Pocket Chimney Port, Rotating Luer Lock Exit Port, 1-7 PSI Cracking Pressure



DCV118 (-001)

Double Check Valve, Female Luer Chimney Port, 2-5 PSI Cracking Pressure

DCV119 (-001)

Double Check Valve, Female Luer Chimney Port, 1-7 PSI Cracking Pressure



DCV125 (-001)

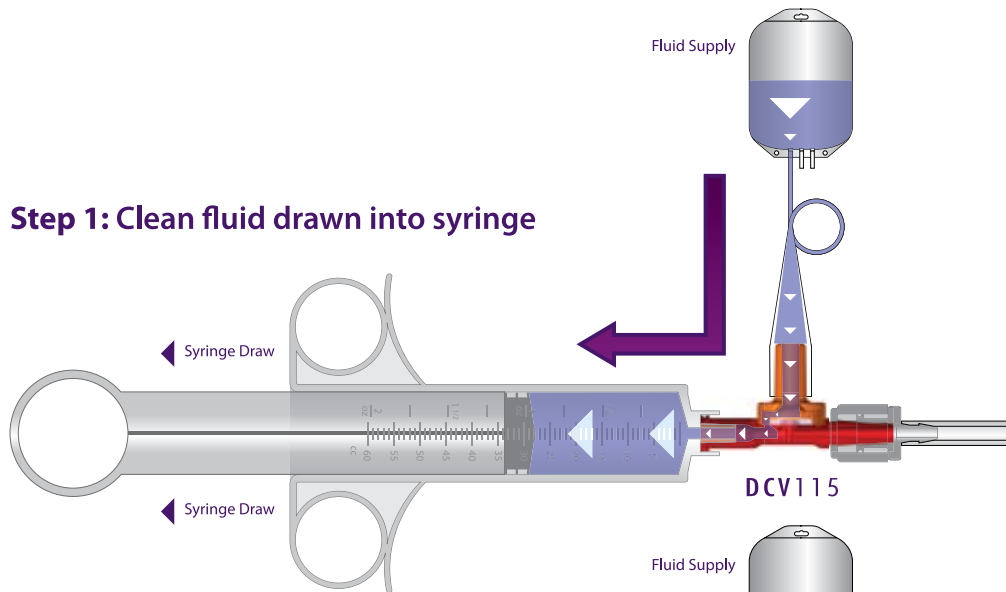
Double Check Valve, Female Luer Chimney Port, Rotating Luer Lock Exit Port, 2-5 PSI Cracking Pressure



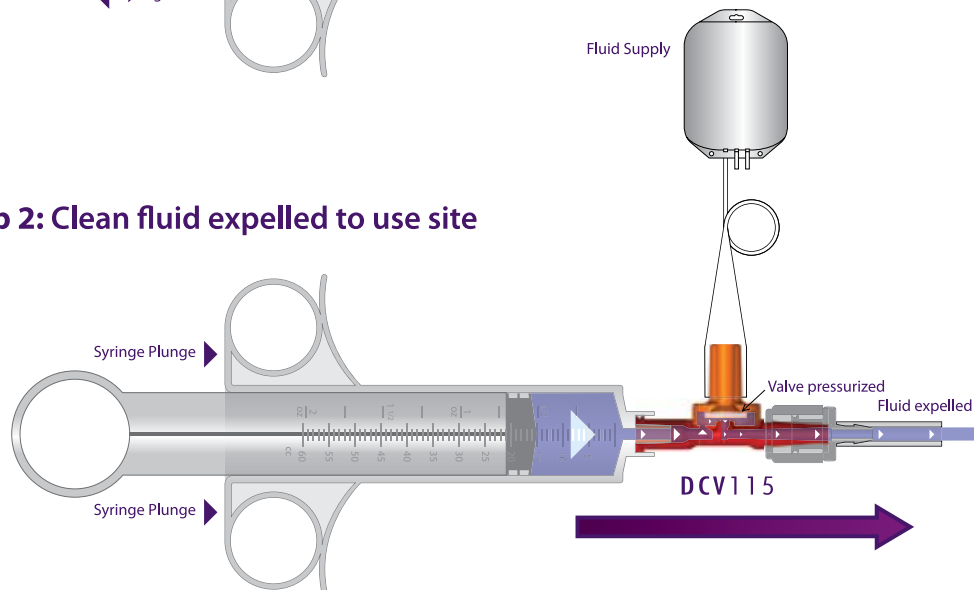
Material Suffix Key

-001 Radiation Stable Polycarbonate

Step 1: Clean fluid drawn into syringe



Step 2: Clean fluid expelled to use site



DCV Series Specifications

| | DCV101-001 | DCV114-001 | DCV115-001 | DCV116-001 | DCV118-001 | DCV119-001 | DCV125-001 |
|--|------------------------|------------------------|----------------------------------|----------------------------------|------------------------|------------------------|----------------------------------|
| Chimney Port (Fluid Supply) | Tubing Pocket | Tubing Pocket | Tubing Pocket | Tubing Pocket | Female Slip Luer | Female Slip Luer | Female Slip Luer |
| Aspiration Port (Syringe) | Threaded Female Luer | Threaded Female Luer | Threaded Female Luer | Threaded Female Luer | Threaded Female Luer | Threaded Female Luer | Threaded Female Luer |
| Fluid Exit Port | Male Luer Taper | Male Luer Taper | Male Luer with Rotating Lock Nut | Male Luer with Rotating Lock Nut | Male Luer Taper | Male Luer Taper | Male Luer with Rotating Lock Nut |
| Inlet Cracking Pressure | 1-7 PSIG Water | 2-5 PSIG Water | 2-5 PSIG Water | 1-7 PSIG Water | 2-5 PSIG Water | 1-7 PSIG Water | 2-5 PSIG Water |
| Aspiration Port to Exit Port Cracking Pressure | <10 PSIG Water | <10 PSIG Water | <10 PSIG Water | <10 PSIG Water | <10 PSIG Water | <10 PSIG Water | <10 PSIG Water |
| Resin | Rad. Stable Polycarb. | Rad. Stable Polycarb. | Rad. Stable Polycarb. | Rad. Stable Polycarb. | Rad. Stable Polycarb. | Rad. Stable Polycarb. | Rad. Stable Polycarb. |
| Rotating Lock Nut | | | Polycarbonate | Polycarbonate | | | Polycarbonate |
| Diaphragm | Biomed. Grade Silicone | Biomed. Grade Silicone | Biomed. Grade Silicone | Biomed. Grade Silicone | Biomed. Grade Silicone | Biomed. Grade Silicone | Biomed. Grade Silicone |

The data presented here is for reference only. It was compiled primarily from the resin manufacturers' data to provide our customers with a means of comparing the characteristics of components at the time of publication. The particular conditions of your use and application of our products are beyond our control. Thus, it is imperative that you test our products in your specific application to determine their suitability. All information is provided without implied or expressed warranty or guarantee by Value Plastics® or other manufacturers. None of the information provided constitutes a recommendation or endorsement of any kind by Value Plastics®.