

All Porting Configurations, Copper or PCTFE Seats

Repair Kit Part No.: MV2-CART-C, MVP2-CART-C, MV-CART-K,
& MVP-CART-K

CAUTION: Ensure that all gas is evacuated from the system and no pressure is present in the valve.

NOTE: These instructions should be thoroughly read and understood before attempting any repairs. Consult factory if needed.

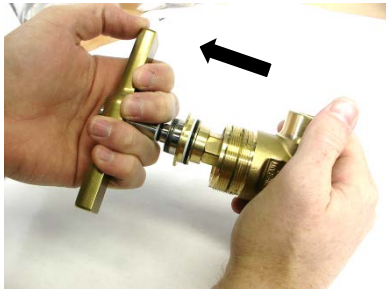
Compatibility: To ensure proper repair kit compatibility, please verify that part number engraved on valve body calls out the same seat material as the repair kit. e.g. MVP-8NR-K requires repair kit MVP-CART-K, not MVP2-CART-C.

Disassembly and Reassembly:

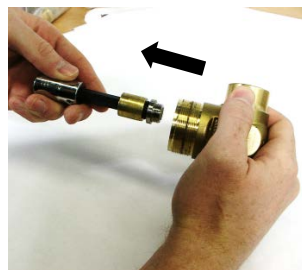


1.) Unscrew valve to full open position and remove handle. Using a large adjustable wrench, remove the bonnet from the body.

Warning: Repair Kits MV2-CART-C & MVP2-CART-C are supplied cleaned for use in Oxygen Service. Qualified personnel must perform maintenance work in a clean, dry area. Oil, grease or non-oxygen compatible materials must not be allowed to come in contact with any equipment used in oxygen service. Use extreme care to ensure hands, tools, clothing and work area are completely free of dirt, oils, and foreign matter to prevent contamination of component parts. Components used in service with any other gas cannot be put into oxygen service. If possible, valves should be repaired and bench tested while removed from the system. **Generant assumes no responsibility or liability for products**



2.) Reattach handle to Stem and remove Stem Cartridge Assembly from valve Body. (If Stem is removed while Poppet and Seal Housing remain in valve Body, Poppet has been damaged during valve operation, consult factory).



3a.) If seat replacement is necessary, use a 3/8" allen wrench to remove by turning clockwise (left hand thread). Inspect copper crush washer for damage and only replace if necessary. Carefully install new seat to 55 ft.-lbs using care not to damage the seat.




3.) Inspect the valve Seat for any damage and replace if necessary (see step 3a).

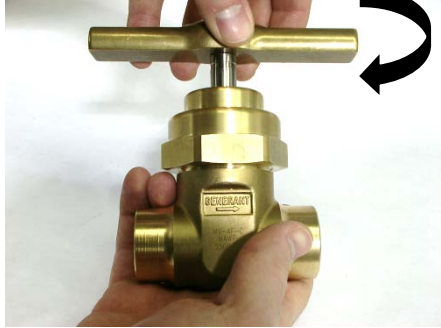


4.) Make sure body internal geometry is clean of dirt and debris. Lubricate face of valve Body that engages the O23-V75 O-ring and STBR-023 with Krytox GPL 205.

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5.) Install handle on new MV replacement cartridge. Insert cartridge into body making sure poppet engages smoothly in broached hex of body. Press down firmly until cartridge is completely inside body (as shown). While installing cartridge, ensure that the white teflon backup ring (STBR-023) fits cleanly into body.



6.) Remove handle and replace bonnet. Tighten bonnet to 80 ft-lbs. Replace Handle and actuate valve to ensure smooth operation.

Master Valve Cut Away Reference Guide:

