



MRA100-000

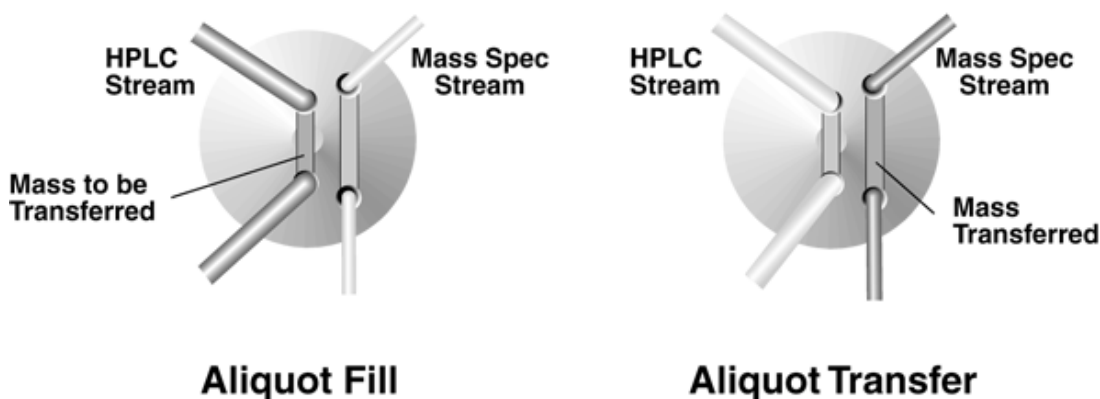
Mass Rate Attenuator

Description

The MRA100-000 is an active splitting device (6-position, 4-port) that delivers a small aliquot of an HPLC stream into a Mass Spec stream.

Flow Diagram

A schematic of the valve flow-switching pattern is shown below. The circles represent the ports in the stator and the grooves represent the connecting passages in the rotor seal. Please note that this is a graphical representation of the flow path and does not illustrate the actual flow through the stator and rotor seal.



Specifications

Liquid Contacts: Stainless steel and RPC-8™

Connections: Accepts 10-32 male threaded fittings

Flow Passage Diameters: *Stator (includes stator face assembly)*- 0.71-mm (0.028"), and 0.38-mm (0.015"), *Rotor Seal*- 0.20-mm (0.008"), 0.30-mm (0.012"), and 0.76-mm (0.030")

Volume in Flow Passages: *Stator (includes stator face assembly)*- **Port 1**- 2.96 uL, **Port 2**- 3.76 uL, **Port 3**- 0.77 uL, and **Port 4**- 0.46 uL, *Rotor Seal (depending on split ratio chosen)*- 0.02 uL, 0.10 uL, and 0.30 uL

Maximum Pressure: 6.9 MPa (69 bar, 1000 psi)

Communication: Discrete line control and RS-232

Supplied With

(4) RheFlex® One-Piece PEEK fitting sets with (4) colored ChromTRAC™ knobs attached, (1) Hex Key, (2) Connecting Wires (1.8 meters [6 feet] each), (1) Maintenance Kit, (1) Flow Diagram Label, Universal Power Supply, Power Cord (multi-national cords), and Operating Manual.

NOTE: Shipping, storing or operating this valve below 0°C with water in the fluid passages may cause failure of the sealing surfaces.

Dimensional Drawings on page 2

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Dimensions are in inches/millimeters

