

Dual Diverter Manifold



PART NUMBER: AS-01-0529-01

ALSO AVAILABLE AS TRI DIVERTER MANIFOLD: PN: AS-01-0528-04

1. BR-12-0100 - 3/8" OD Stainless Steel Mounting Pin
2. AA-00-0529-02 - Dual Diverter Manifold Block only
3. AS-01-0528-01 - Dual Diverter Manifold Stopcocks
4. AA-00-0783 - 1/4" NPT Male X 1/8" NPT Male fittings
5. Non-Inventory Part - 1/4 X 20 Thumb Screw
6. AA-00-0484-R - 1/4" ID X 6 foot red color coded PVC tubing
7. AA-00-1123 - 6mm Male X 15mm Male adapter color coded red for Induction Chamber:
8. AA-00-0484-O - 1/4" ID X 6 foot orange color coded PVC tubing for fresh gas Inlet to Imaging System
9. AA-00-0427 - Common Outlet
10. AA-00-0482-S - 1 foot X 3/16" ID Silicone Tubing
11. AA-00-1123 - 6mm Male X 15mm Male fitting to connect to Common Outlet(not color coded)



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I. Introduction:

The Dual Diverter Manifold is used to facilitate the splitting of fresh gas supply (anesthetic and carrier gas – O₂, Med Air, N₂O, N₂, or any combination of carrier gases) into two streams. One side of the split is directed towards the Induction Chamber, the other is directed towards the NRB system (nose cone / face mask). The flow of fresh gas is controlled by color coded stopcocks on the Dual Diverter Manifold. When the stopcock is open (with the lever positioned parallel with the tubing), fresh gas will flow. When the stopcock is closed (with the lever positioned perpendicular to the tubing), the fresh gas will not flow. It is important to have at least one stopcock open when the primary carrier gas flow meter is turned open and carrier gas is flowing. This will prevent excessive build-up of pressure in the delivery system.

The Dual Diverter Valve stopcocks, tubing, and adapters at the end of the tubing — as well as the MIP Induction Chambers and NRB systems — are all color coded to aid the user in setting up the correct flow to the desired delivery appliances.

II. Installation:

The Dual Diverter Manifold can be installed on any MIP PAM or Compact Convertible Anesthesia System. There is a 3/8" hole in the top of each PAM leg that will accept the Dual Diverter Valve Stainless Steel Mounting Pin. If you do not have a PAM or Compact Convertible, a Universal Mounting Bracket can be used to mount the Dual Diverter Manifold onto any of MIP's inhalant anesthesia platforms – or any other manufacturer's

1. Install 3/8 inch stainless steel rod with Dual Diverter Manifold into hole in top right (as facing machine) PAM Leg.
2. Install 15mm Male adapter on end of Silicone tubing into Common Outlet of anesthesia system.
3. Attach the open end of the approximately 6 foot red 1/4" ID tubing to the red color coded stopcock used for the Induction Chamber (Stopcock on left side of manifold).
 - a. The red color coded adapter at the end of the red tubing will fit the red color coded inlet for the Induction Chamber.
4. Attach the open end of the approximately 6 foot orange 1/4" ID tubing to the orange stopcock used for the NRB system.
 - a. The other end of the orange color coded tubing with the color coded orange Common Outlet goes to the fresh gas inlet of the Siemens Imaging Device – color coded 15mm Male Adapter with orange tubing.
5. Use thumbscrews provided to tighten assembly at height of your choice.



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III. Operation:

1. Open primary flow meter(s) to proper flow rate.
2. Open red color coded stopcock to Induction Chamber.
3. Put subject into Induction Chamber.
4. Open vaporizer to desired concentration.
5. When subject is recumbent and equilibrated, turn off vaporizer.
6. Remove subject from Induction Chamber.
7. Turn on orange color coded NRB stopcock.
8. Turn off red color coded Induction Chamber stopcock.
9. Place subject in Nose Cone of NRB system.
10. Turn vaporizer back on to desired concentration.

Please note: Ensure that WAG (Waste Anesthetic Gas) Management System is in place before anesthetizing subject.