

Double Tube Reservoir Access Manifold Datasheet

DT RAM

Mounts to hydraulic reservoirs and gearboxes 1/4" to 1-1/2".

Features

- Threaded Air Breather Replacements
- 4 FUNCTIONS IN 1
- Breather, Suction, Return, Overflow

Air Breather | The DT RAM has a female pipe thread breather port located in the rear of the body. The breather port sizes are 3/8", 3/4" and 1" respectively for the three RAM body sizes. The breather port size reflects the air area for example the midsize body has the breathing capacity equal to a 3/4" area opening.

Suction | The suction tube (not supplied) can be inserted through the top or bottom of the cartridge depending on the tube being bent or straight. A straight suction tube can be expelled if the reservoir is pressurized. The tube can be any length allowing the suction tube to reach the bottom of the reservoir for maximum efficiency.

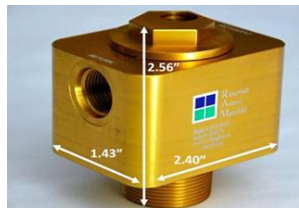
Return | The DT return tube stub is metal of various lengths from 2" to 3-1/2" depending on the body size. Users can attach a return hose or tube (not supplied) to separate the suction and return flows.

Overflow | The overflow port allows access to the reservoir air space. In an overflow situation the air space is filled with fluid and can over pressurize the reservoir. When the overflow port is connected to another tote, drum or reservoir the fluid has an escape route preventing over pressurization. The overflow port is located opposite the return port in the body.

Specifications

Body/cartridge material	Anodized aluminum 6061
O-rings	NBR
Down tubes	Carbon steel/customer specific

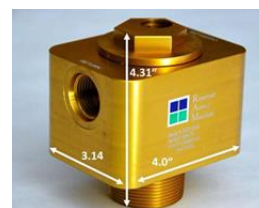
Dimensions



1/4", 3/8"



1/2", 3/4"



1" , 1-1/4", 1-1/2"

Ports and Tube Sizes

Attachment NPT US	SAE O-ring body thread	Breather NPT	Return tube OD	Suction tube OD
1/4"	9/16-18	3/8"	.156"	.156"
3/8"	9/16-18	3/8"	.187"	.25"
1/2"	3/4-16	3/4"	.25"	.312"
3/4"	3/4-16	3/4"	.312"	.312"
1"	1-1/16-12	1"	.375"	.50"
1-1/4"	1-1/16-12	1"	.50"	.625"
1-1/2"	1-1/16-12	1"	.625"	.75"

Schematics

